ATTACHMENT 1WS

NORTH CAROLINA SOIL AND WATER CONSERVATION COMMISSION
RALEIGH, NORTH CAROLINA
WORK SESSION AGENDA
DRAFT

WORK SESSION
Johnston County Farm Bureau Office
Auditorium
1809 S. Bright Leaf Boulevard
Smithfield, NC 27577
July 20, 2021
6:00 p.m.

BUSINESS SESSION
Johnston County Farm Bureau Office
Auditorium
1809 S. Bright Leaf Boulevard
Smithfield, NC 27577
July 21, 2021
9:00 a.m.

I. CALL TO ORDER

The State Government Ethics Act mandates that at the beginning of any meeting the Chair reminds all the members of their duty to avoid conflicts of interest and inquire as to whether any member knows of any conflict of interest or potential conflict with respect to matters to come before the Commission. If any member knows of a conflict of interest or potential conflict, please state so at this time.

II. PRELIMINARY – Business Meeting

Welcome – Cell phones set to silent or $100 donation — Chairman John Langdon

III. BUSINESS

1. Approval of Agenda — Chairman John Langdon
2. Approval of Meeting Minutes — Chairman John Langdon
   A. May 18, 2021 Work Session Meeting Minutes
   B. May 19, 2021 Business Session Meeting Minutes
3. Division Report — Director Vernon Cox
4. Association Report — President Blount Knowles
5. NRCS Report — Mr. Tim Beard
6. Stream Buffers for Forestry in NC — Mr. Tom Gerow
7. Consent Agenda
   A. Supervisor Appointments — Mr. Eric Pare
   B. Supervisor Contracts — Mr. Joshua Vetter
   C. Technical Specialist Designation — Mr. Jeff Young

8. Job Approval Authority — Mr. Jeff Young
   A. Applications
   B. Technical Competency Requirements

9. Agriculture Cost Share Program — Mr. Joshua Vetter
   A. Detailed Implementation Plan
   B. Average Cost List
   C. District Financial Assistance Allocation

10. Technical Assistance Allocation — Ms. Julie Henshaw

11. Agricultural Water Resources Assistance Program — Ms. Sydney Mucha
   A. Detailed Implementation Plan
   B. Average Cost List
   C. District Financial Assistance Allocation

12. Community Conservation Assistance Program — Mr. Tom Hill
   A. Detailed Implementation Plan

13. Cost Share Programs Spot Check Report — Mr. Ken Parks

14. Contract Extension Requests
   A. Contract Extensions for contracts meeting May 2021 policy exception — Ms. Julie Henshaw
   B. Contract Extension Requests — Districts

15. District Issues — Mr. Joshua Vetter
   A. Post Approval Contract 84-2021-001 — Stanly SWCD
   B. Post Approval Contract 84-2021-802 — Stanly SWCD

16. Supervisor Training Credit Report — Ms. Kristina Fischer

IV. PUBLIC COMMENTS

V. ADJOURNMENT

ATTACHMENT 1BS BLUE

NORTH CAROLINA SOIL AND WATER CONSERVATION COMMISSION
RALEIGH, NORTH CAROLINA
BUSINESS SESSION AGENDA
DRAFT

WORK SESSION
Johnston County Farm Bureau Office
Auditorium
1809 S. Bright Leaf Boulevard
Smithfield, NC 27577
July 20, 2021
6:00 p.m.

BUSINESS SESSION
Johnston County Farm Bureau Office
Auditorium
1809 S. Bright Leaf Boulevard
Smithfield, NC 27577
July 21, 2021
9:00 a.m.

I. CALL TO ORDER

The State Government Ethics Act mandates that at the beginning of any meeting the Chair reminds all the members of their duty to avoid conflicts of interest and inquire as to whether any member knows of any conflict of interest or potential conflict with respect to matters to come before the Commission. If any member knows of a conflict of interest or potential conflict, please state so at this time.

II. PRELIMINARY – Business Meeting

Welcome – Cell phones set to silent or $100 donation — Chairman John Langdon

III. BUSINESS

1. Approval of Agenda (MOTION) — Chairman John Langdon
2. Approval of Meeting Minutes (MOTION) — Chairman John Langdon
   A. May 18, 2021 Work Session Meeting Minutes
   B. May 19, 2021 Business Session Meeting Minutes
3. Division Report — Director Vernon Cox
4. Association Report — President Blount Knowles
5. NRCS Report — Mr. Tim Beard
6. Stream Buffers for Forestry in NC — Mr. Tom Gerow
7. Consent Agenda (MOTION)

   B. Supervisor Contracts — Mr. Joshua Vetter
   C. Technical Specialist Designation — Mr. Jeff Young

8. Job Approval Authority — Mr. Jeff Young
   A. Applications (MOTION)
   B. Technical Competency Requirements (MOTION)

9. Agriculture Cost Share Program — Mr. Joshua Vetter
   A. Detailed Implementation Plan (MOTION)
   B. Average Cost List (MOTION)
   C. District Financial Assistance Allocation (MOTION)

10. Technical Assistance Allocation (MOTION) — Ms. Julie Henshaw

11. Agricultural Water Resources Assistance Program — Ms. Sydney Mucha
   A. Detailed Implementation Plan (MOTION)
   B. Average Cost List (MOTION)
   C. District Financial Assistance Allocation (MOTION)

12. Community Conservation Assistance Program — Mr. Tom Hill
   A. Detailed Implementation Plan (MOTION)

13. Cost Share Programs Spot Check Report — Mr. Ken Parks

14. Contract Extension Requests
   A. Contract Extensions for contracts meeting May 2021 policy exception (MOTION) — Ms. Julie Henshaw
   B. Contract Extension Requests (MOTION) — Districts

15. District Issues — Mr. Joshua Vetter
   A. Post Approval Contract 84-2021-001 (MOTION) — Stanly SWCD
   B. Post Approval Contract 84-2020-802 (MOTION) — Stanly SWCD

16. Supervisor Training Credit Report — Ms. Kristina Fischer

IV. PUBLIC COMMENTS

V. ADJOURNMENT

NORTH CAROLINA
SOIL & WATER CONSERVATION COMMISSION
WORK SESSION MEETING MINUTES
July 20, 2021

NC Farm Bureau Office
1809 S. Brightleaf Blvd.
Auditorium
Smithfield, NC 27577

Commission Members	Guests	Guests
John Langdon	Julie Henshaw	Greg Walker
Wayne Collier	Kristina Fischer	Annette Adams
Blount Knowles	Joshua Vetter	Rick McSwain
Chris Hogan	Helen Wiklund	Charles Hill
Chris Hughes	Bryan Evans	Dewitt Hardee
Derek Potter	Cayle Aldridge	Don Rogers
Mike Willis	Lisa Fine	James Massey
Commission Counsel	Sydney Mucha	Lena Simmons
Phillip Reynolds	Ken Parks	Sandra Weitzel
Guests	Tom Hill	Michael Shepherd
Vernon Cox	Allie Dinwiddie	Paula Day
David Williams	Eric Pare	Amanda Sand
Jeff Young	Keith Larick	

Chairman Langdon called the meeting to order at 6:09 p.m. Chairman Langdon inquired whether any Commission members need to declare any conflict of interest, or appearance of conflict of interest, that may exist for agenda items under consideration, as mandated by the State Ethics Act. Chairman Langdon stated the meeting guidelines.

1. **Approval of Agenda:** Chairman Langdon stated Consent Agenda Item 7A will be removed from tomorrow's agenda.

2. **Approval of Meeting Minutes:** Chairman Langdon asked for comments on the minutes. Commissioner Collier stated the minutes are in order.

   2A. May 18, 2021 Work Session Meeting Minutes
   2B. May 19, 2021 Business Session Meeting Minutes

3. **Division Report:** Chairman Langdon recognized Director Vernon Cox. Director Cox stated the Division report will be presented at the Business Meeting. A copy of the report is included as an official part of the minutes. Director Cox also noted that a new piece of equipment is being used

for this meeting called a Meeting Owl. The Owl has a microphone, speaker, and camera to provide virtual access to those who are not able to attend in person.

Chairman Langdon paused the meeting and asked everyone to go around the room and introduce themselves.

4. **Association Report:** Chairman Langdon recognized President Blount Knowles. President Knowles stated the report will be presented at the Business Meeting tomorrow. A copy of the report is included as an official part of the minutes.

5. **NRCS Report:** Chairman Langdon asked if Mr. Beard will present the report tomorrow. Director Cox stated Mr. Beard will present the report tomorrow.

6. **Stream Buffers for Forestry in NC:** Chairman Langdon asked if Mr. Gerow will present the report tomorrow. Director Cox stated Mr. Gerow will present the report tomorrow. Director Cox stated there was discussion about stream buffers and their impacts at the May Commission meeting. Mr. Gerow will discuss some of these issues at tomorrow's meeting.

7. **Consent Agenda:** Chairman Langdon recognized Mr. Eric Pare, Mr. Joshua Vetter and Mr. Jeff Young to present. Copies of the reports are included as an official part of the minutes.

   7A. Supervisor Appointments: *(Item has been removed from the agenda)*

   - Phoebe K. Gooding, Durham SWCD, filling the unexpired appointed term of Ms. Laura Marie Davis for 2020-2024 with attached resignation letter from Ms. Davis

   7B. Supervisor Contracts: 4 contracts; totaling $36,692

   7C. Technical Specialist Designation:

   - Anthony Growe, Richmond County Field Crops, Livestock Extension Agent, Waste Utilization Planning/Nutrient Management (WUP/NM) category
   - Lauren Green, NCSU Cooperative Extension Area Specialist Agent, Poultry, Waste Utilization Planning/Nutrient Management (WUP/NM) category
   - Jeb Smith, Duplin County SWCD Soil Conservation Tech, Waste Utilization Planning/Nutrient Management (WUP/NM) category

8. **Job Approval Authority:** Chairman Langdon recognized Mr. Jeff Young to present. A copy of the report is included as an official part of the minutes.

   8A. Applications: Mr. Young stated there are seven applications for approval.

   8B. Technical Competency Requirements: Mr. Young stated the Job Approval Authority (JAA) Workgroup reviewed eight Best Management Practices (BMPs). Of the eight BMPs reviewed, there are four BMPs (Stream Crossings, Sediment Control Basin, Water Control Structure, and Grade Stabilization Structure) that require additional review because of potential health or safety issues. The remaining four practices will be recommended for Commission approval.

9. **Agriculture Cost Share Program:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes. Mr. Vetter highlighted the Cost Share Program's accomplishments for FY 2021. There were 1,021 new contracts totaling over $7.8M. The top five counties were listed where contracts were created, and funds were encumbered. There were 1,050 requests for payments and over $6.2M was paid out.

9A. Detailed Implementation Plan: Mr. Vetter stated a Technical Assistance Allocation section was added to the Plan. Table 2 was revised by adding Residue and Tillage Management, updating Sod-Based Rotation, removed four Incentives Practices, and added a BMP Technical Competency requirements section for Job Approval Authority (JAA).

9B. Average Cost List: Mr. Vetter stated there were several changes to the list, which include a formatting change to combine the repetitive area unit costs, an addition of Cover Crops, Residue and Tillage Management, and Sod-Based Rotation practices, change to combine the Micro-Irrigation and Well costs into one system based on actual cost, and cost adjustments based on Producer Price Indexes. The Well and Pump cost adjustments for the Stream Protection Well will change from $2,000 - $2,400 to $3,700 - $4,440, and there is a change in the linear foot price for Stream Protection Wells from $12 to $20. The Well and Pump cost adjustments for Agrichemical Facility will match the Stream Protection Wells costs. For FY 2022, it is also recommended that the Average Cost List prices be adjusted. The Technical Review Committee recommends a 9.8% increase to the average cost of all components in the average cost list, but only for new contracts. Prior year contracts would not be eligible for additional funding to cover the increase in average costs. This increase will not impact maximum cost share amounts. This increase will exclude Cover Crops, Residue and Tillage Management, Sod-Based Rotation, and Well and Pump components. The average costs will be re-analyzed for FY 2023.

9C. District Financial Assistance Allocation: Mr. Vetter stated for FY 2022 the Strategic Plan for the Agriculture Cost Share Program is as follows:

- 100 counties requested $15,968,348 for regular Cost Share funds (CS)
- 52 counties requested $2,509,175 for the Impaired and Impacted streams initiative (II)

SOURCE	AMOUNT
2022 Appropriation	$ 4,016,998
Rollover from cancelations, releases and unencumbered funds (FY 2015 – 2021)	$ 1,033,242
TOTAL AVAILABLE FUNDS	$ 5,050,240
5% Contingency Reserve	$ 200,850
Total Allocation FY 2022	**$ 4,849,390**

- Total allocated FY 2021 = $4,849,390
  - Regular ACSP (CS) Total = $4,249,390
  - Impaired/Impacted (II) Total = $500,000
  - CREP (CE) Total = $100,000

- CS and II funds were allocated to all districts
- Funds are allocated using the allocation parameters described in rule 02 NCAC 59D .0103
- $20,000 minimum allocation per district; unless the district requested less

Chairman Langdon called a break at 7:08 p.m. The meeting resumed at 7:20 p.m.

10. **Technical Assistance Allocation:** Chairman Langdon recognized Ms. Julie Henshaw to present. A copy of the report is included as an official part of the minutes. Ms. Henshaw stated a special-called meeting took place in February to approve the change in allocation, due to the implementation of the new Cost Share Program Rules. Most of the allocations were approved in February and are in effect for three years. There are unaccounted for funds from Richmond SWCD, since they did not have a technical employee working for a full year and has a remaining fund balance, and Hoke SWCD did not request a Technical Assistance Allocation. This is a request for a supplemental technical assistance allocation that comes from Richmond and Hoke counties. The awards per district were highlighted. The minimum amount is $20K per district, and the maximum amount is $30K per district.

11. **Agricultural Water Resources Assistance Program:** Chairman Langdon recognized Ms. Sydney Mucha to present. A copy of the report is included as an official part of the minutes.

    11A. Detailed Implementation Plan: Ms. Mucha stated the Cooperator Acknowledgement Forms were added to all BMPs and BMP Quick Reference Tables were added/updated. The changes to the Detailed Implementation Plan (DIP) were highlighted, which includes shifting the goals to the top, clarifying the reallocation process, updating the regional application process, removing the Micro-Irrigation BMP, and adding the Livestock Water Storage BMP.

    11B. Average Cost List: Ms. Mucha highlighted the changes to the Average Cost List which includes the removal of Micro-Irrigation, replacement of Area Unit Costs with statewide Unit Cost, adding the design component for Conservation Irrigation Conversion, adding the statement on the Livestock Water Storage BMP and the practice cap, increasing the well pump cap to match the Cost Share Programs cap of $3,700 (75%) to $4,440 (90%), and a 9.8% increase to tanks and well housing.

    11C. District Financial Assistance Allocation: Ms. Mucha stated the total allocations requested was over $4.7M with $141,375 rolling over from last year's allocation. Only 90 counties requested funds, 74 counties received the minimum allocation of $7,500, and four counties requested less than the minimum allocation amount.

12. **Community Conservation Assistance Program:** Chairman Langdon recognized Mr. Tom Hill to present. A copy of the report is included as an official part of the minutes.

    12A. Detailed Implementation Plan: Mr. Hill highlighted the proposed changes to the DIP for FY 2022, which includes:

    - Page 1, Background

  - Removed the language regarding the integration of the Cost Share Program Rules
- Page 3, Figure 3
  - Recommended a Statewide allocation of $9,605 (to start the year with $10,000 in this fund) for repair contracts only, the recommended Technical and Administrative Assistance district allocation is $20,519, added language to the last sentence to clarify that grant-funded projects may not comply with the contract caps compared to those projects funded solely through state appropriations.
- Page 4, Fiscal Year 2022 Goals, Section II added "*and Commission*" to the Job Approval Authority (JAA) procedures to reflect the new policy
- Page 7, this page is new and added Table 1 for BMPs, Life Expectancy, and Practice Type
- Discussed the timeline for the CCAP regional applications, which includes site assessments and selection of the highest-ranking project to meet the program requirements

Mr. Hill stated a CCAP Proprietorship Report will be presented at the September Commission meeting.

13. **Cost Share Programs Spot Check Report:** Chairman Langdon recognized Mr. Ken Parks to present. A copy of the report is included as an official part of the minutes. Mr. Parks stated the report will be presented tomorrow. The number of contracts out of compliance varies from year to year but are generally very few in number.

14. **Contract Extension Requests:** Chairman Langdon recognized Ms. Julie Henshaw to present. A copy of the report is included as an official part of the minutes.

    14A. Contract Extensions for Contracts Meeting May 2021 Policy Exception: Ms. Henshaw stated the reasons for these contract extensions is due to engineering, Job Approval Authority (JAA), design delays, weather, sickness, or other related issues. All the contracts listed in Item 14A meet one or more of the exceptions approved by the Commission in May and also meet the extension criteria.

    14B. Contract Extension Requests: Ms. Henshaw stated there are only four contract extension requests that did not meet the contract extension policy exception adopted by the Commission in May 2021. A district supervisor from each district will attend the meeting tomorrow to present their extension request and to answer any questions. There is a process improvement planned for FY 2022 with a new online Cancellation Form and a new online 6-month extension form for districts to use with the Division following up.

15. **District Issues:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes. Mr. Vetter stated the request is for post approval of two Stanly Agriculture Cost Share Program contracts. Both contracts were approved by the district, but the RFP was not submitted in CS2, because the new employee in Stanly County did not understand the process. A new SOP is being created for new employees to instruct them on how to enter contracts in CS2. The SOP will be available to all employees. The supervisor and staff will be in attendance tomorrow.

15A. Post Approval Contract 84-2021-001: Mr. Vetter stated this request is to grant post approval of a contract with William Howerton for cropland conversion to trees in the amount of $5,176.

15B. Post Approval Contract 84-2020-802: Mr. Vetter stated this request is to grant post approval of a contract with Kenneth Linker for an AgWRAP well in the amount of $6,309.

16. **Supervisor Training Credit Report:** Chairman Langdon recognized Ms. Kristina Fischer to present. A copy of the report is included as an official part of the minutes. Ms. Fischer stated supervisors are required to attend six hours of training per term, and the following training credits have been awarded by the Division:

    - Annual Meeting: 285.25 STCs awarded to 176 supervisors at 1.0 STCs per meeting
    - Basic Training for SOG Training: 504 STCs awarded to 84 supervisors at 6.0 STCs per meeting
    - Area Spring Meetings: Ranged from 1.5 STCs - 2.25 STCs based on program / presenters
    - Local training events: 1.0 STCs – 2.0 STCs

    There is a link on the Division's web site so each individual supervisor can view their individual training credits. The board of supervisors need to know how many training hours each supervisor has completed. Commissioner Knowles stated the chairman of each board should be aware of the training credit hours of their supervisors. Commissioner Collier stated each district should present a report every 2-3 months. Ms. Fischer stated the regional coordinators prepare a training report.

IV. Public Comments:

Chairman Langdon reminded the Commissioners of the group photo tomorrow morning.

Director Cox stated he enjoyed being able to meet with the Commission again in person, and he commended the Commission for everything that was done to perform Commission business, when the meetings were held virtually.

V. Adjournment: Meeting adjourned at 8:52 p.m.

Vernon N. Cox, Director
Division of Soil & Water Conservation, Raleigh, N.C.

Helen Wiklund, Recording Secretary

These minutes were approved by the North Carolina Soil & Water Conservation Commission on , 2021.

NORTH CAROLINA
SOIL & WATER CONSERVATION COMMISSION
BUSINESS SESSION MEETING MINUTES
July 21, 2021

NC Farm Bureau Office
1809 S. Brightleaf Blvd.
Auditorium
Smithfield, NC 27577

Commission Members	Guests	Guests
John Langdon	Michelle Raquet	Jason Byrd
Wayne Collier	Anne Coan	Anne Herring
Blount Knowles	Annette Adams	Tom Potter
Chris Hogan	Sydney Mucha	Stephen Sperry
Chris Hughes	Greg Walker	Tyler Ross
Derek Potter	Lucas Baxley	Vickie Ryder
Mike Willis	Kaitlyn Johnson	Don Rogers
Commission Counsel	Fredrick Cox	Cruise Gibbs
Phillip Reynolds	Sarah Clancy	Abigail Haselton
Guests	Bob Dennis	Gary Holtzmann
Vernon Cox	Kayla McCoy	Mitchell Miller
David Williams	Daniel McClellan	Nathaniel Woolard
Julie Henshaw	Lena Simmons	Dewitt Hardee
Kristina Fischer	Frankie Singleton	Gerald Dorsett
Joshua Vetter	Adam Hilton	Quinton Cooper
Helen Wiklund	Edward Long	Tammi Remsburg
Bryan Evans	Brian Lannon	Angie Quinn
Cayle Aldridge	Travis Smith	Dietrich Kilpatrick
Lisa Fine	Henry Faison	Barton Grover
Rick McSwain	Nancy McCormick	Jamey Walker
Ken Parks	Brad Moore	Charles Bass III
Tom Hill	Randy Freeman	Rodney Wright
Eric Pare	Elliot Swain	Kristian Stewart
Tom Gerow, Jr.	Forsyth SWCD	Patrick Baker
Jeff Young	Eddie Culberson	Brody Brown
Sandra Weitzel	Kenny Ray	Richard Gustafson
Allie Dinwiddie	Brandy Oldham	Scott Shoulars
Keith Larick	Curtis Furr	Vincent Lewis
Tim Beard	Rebecca Brickner	Michael Dupree
Paula Day	Kristy Dail	Jessica Thompson
Gail Hughes	Charles Bass	
Daphne Cartner	Andrew Cox	

Chairman Langdon called the meeting to order at 9:02 a.m. Chairman Langdon inquired whether any Commission members need to declare any conflict of interest, or appearance of conflict of interest, that may exist for agenda items under consideration, as mandated by the State Ethics Act. Chairman Langdon stated the meeting guidelines and thanked the Johnston County Farm Bureau for the use of their meeting facility and the Johnston SWCD staff for their assistance with the Commission tour and meeting.

1. **Approval of Agenda:** Chairman Langdon asked for approval of the revised agenda. Item 7A has been removed. Commissioner Hughes moved to approve the revised agenda and Commissioner Hogan seconded. Motion carried.

2. **Approval of Meeting Minutes:** Chairman Langdon asked for approval of the minutes. Commissioner Collier moved to approve the minutes and Commissioner Knowles seconded. Motion carried.

   2A. May 18, 2021 Work Session Meeting Minutes
   2B. May 19, 2021 Business Session Meeting Minutes

3. **Division Report:** Chairman Langdon recognized Director Vernon Cox. A copy of the report is included as an official part of the minutes. Director Cox presented the following:

   - Coronavirus Update
     - State of Emergency Declaration extended through July 30, 2021
   - Personnel Update
   - Legislative Update
     - Senate Budget includes two engineer positions and $138M in stream debris removal funding
     - House Bill 431 includes a provision to establish Statewide Stream Repair Funding per NCASWCD Resolution and an addition of $1.5M for CCAP funding
   - Teleconference equipment purchased for the Districts
   - Emergency Watershed Program Agreement for disaster events and train the partners
     - More trainings scheduled in August and September
   - September Meeting in Macon County on the 22nd with a trout farm tour and produce operation tour on the 21st
   - Public Hearing for the draft rules today at 1 p.m., and the comments period is open
     - Virtual public hearing on August 3rd and the public comment period closes on August 16

4. **Association Report:** Chairman Langdon recognized President Blount Knowles. A copy of the report is included as an official part of the minutes. President Knowles presented the following:

   - 2022 Annual Meeting will be held in person; location to be determined
   - Contract signed for the new State Fair Building with a memorial for Dr. Hugh Hammond Bennett
   - Face-to-face Leadership Development Training for District Supervisors is scheduled for later this year

- National Executive Directors Conference in Asheville from September 27-30

5. **NRCS Report:** Chairman Langdon recognized Mr. Tim Beard. A copy of the report is included as an official part of the minutes. Mr. Beard presented the following:

    - Coronavirus Update
        - Only 25% of staff allowed in the State and Area offices and 50% at field level
        - Other restrictions include no in-classroom training, unless mission critical, no group meetings, or indoor events
        - Outdoor training is approved
    - National Update
        - Terry Cosby named NRCS Chief
    - State Update
        - EWP Floodplain Easements: 12 applications; 475 acres
        - Watershed Rehabilitation Program: seven active agreements for dam sites with funding at the National level for approximately $3.1M
        - Financial Assistance Programs Update: over 90% obligated for EQIP and closing the program out by the end of July
        - Staff is working on CSP Classic with an initial allocation of $7M for North Carolina but $29M is in demand
        - North Carolina selected to participate in the Climate Smart Agriculture and Forestry Program; there is $10M in the program and North Carolina is receiving $1M; the program is being offered to 48 states, and the application deadline is July 23

6. **Stream Buffers for Forestry in NC:** Chairman Langdon recognized Mr. Tom Gerow to present. A copy of the report is included as an official part of the minutes. Mr. Gerow presented the following:

    - NC Forest Service serves every county in the State
    - Forest Practices Guidelines (FPGs) are required for water quality, which are Statewide required performance standards
    - NCFS Water Quality staff complete approximately 3-4K annual site inspections
    - North Carolina Forest Practices Guidelines (FPGs) are authorized by the North Carolina Sedimentation Pollution Control Act 02 NCAC 60C .0100 to .0209, which provides an exemption for Forestry to obtain an approved erosion and sedimentation control plan as long as the FPGs are in compliance
    - FPGs only apply to “forestry-related” land-disturbing activities
    - Stream Buffers are required through the Streamside Management Zone (SMZ), any intermittent stream, any perennial stream, and any perennial waterbody
    - Compared the Stream Buffer Requirements under the FPG Requirements of SMZ and Riparian Buffer Rules
    - Tree Blow-Down / Windthrow – few (if any) targeted studies to assess for a windstorm
    - Ongoing BMP Update / Revision
        - Strive for simplicity and ease of implementation, lessons learned from assessments, address emerging issues, the reoccurrence of frequent storms and resource protection, standardize 50’ statewide SMZ and establish a minimum

width of 20' for an undisturbed buffer, limit removals to no-more-than 50% of basal area, if timber is harvested in SMZ, keep equipment 10' from the edge of the stream, and consider other objectives in addition to water quality (windscreen, habitat, seed-trees, etc.)

Chairman Langdon called a break at 10:35 a.m. The meeting resumed at 10:47 a.m.

7. **Consent Agenda:** Chairman Langdon asked for approval of the consent agenda. Commissioner Hughes moved to approve the revised consent agenda and Commissioner Knowles seconded. Motion carried.

   7B. Supervisor Contracts: 4 contracts; totaling $36,692

   7C. Technical Specialist Designation:

   - Anthony Growe, Richmond County Field Crops, Livestock Extension Agent, Waste Utilization Planning/Nutrient Management (WUP/NM) category
   - Lauren Green, NCSU Cooperative Extension Area Specialist Agent, Poultry, Waste Utilization Planning/Nutrient Management (WUP/NM) category
   - Jeb Smith, Duplin County SWCD Soil Conservation Tech, Waste Utilization Planning/Nutrient Management (WUP/NM) category

   Copies of the reports are included as an official part of the minutes.

8. **Job Approval Authority:** Chairman Langdon recognized Mr. Jeff Young to present. A copy of the report is included as an official part of the minutes.

   8A. Applications: Mr. Young stated there are seven applications.

   Chairman Langdon asked for approval of the Applications. Commissioner Hughes moved to approve the applications and Commissioner Potter seconded. Motion carried.

   8B. Technical Competency Requirements: Mr. Young stated there are four practices recommended for approval, which include Land Smoothing, Grassed Waterway, Rock-Lined Waterway or Outlet, and Subsurface Drain Tile.

   Chairman Langdon asked for approval of the Technical Competency requirements. Commissioner Hughes moved to approve the Technical Competency Requirements and Commissioner Potter seconded. Motion carried.

9. **Agriculture Cost Share Program:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes.

   9A. Detailed Implementation Plan: Mr. Vetter stated a Technical Assistance Allocation section has been added to the Plan, Table 2 was revised to reflect changes in eligible practices, and added a BMP Technical Competency Requirements section as required by the Commission's new JAA rule.

Chairman Langdon asked for approval of the Detailed Implementation Plan. Commissioner Collier moved to approve the Detailed Implementation Plan and Commissioner Knowles seconded. Motion carried.

9B. Average Cost List: Mr. Vetter stated there are four changes to the list. A formatting change that combined repetitive area costs, the addition of Cover Crops, Residue and Tillage Management and Sod-Based Rotation BMPs and costs, a change in the Micro-Irrigation and Well costs to be consistent with AgWRAP, and an increase in the average cost of all components in the average cost list by 9.8% based on the Producer Price Index (PPI) for all commodities. The Cost Share rate increase will not impact the maximum cost share amounts. There is no recommended rate increase for Cover Crops, Residue and Tillage Management, Sod-Based Rotation, and Well and Pump Components.

Chairman Langdon proposed Mr. Vetter create a new work group to discuss the Average Cost List and include Mr. Bryan Evans.

Chairman Langdon asked for approval of the Average Cost List. Commissioner Knowles moved to approve the Average Cost List and Commissioner Willis seconded. Motion carried

9C. District Financial Assistance Allocation: Mr. Vetter stated in FY 2022, the total requests are as follows:

- 100 counties requested $15,968,348 for regular Cost Share funds (CS)
- 52 counties requested $2,509,175 for Impaired and Impacted stream initiative (II)

SOURCE	AMOUNT
2022 Appropriation	$ 4,016,998
Rollover from cancelations, releases and unencumbered funds (FY 2015 – 2021)	$ 1,033,242
TOTAL AVAILABLE FUNDS	$ 5,050,240
5% Contingency Reserve	$ 200,850
Total Allocation FY 2022	**$ 4,849,390**

- Regular ACSP (CS) Total = $4,249,390
- Impaired/Impacted (II) Total = $500,000
- CREP (CE) Total = $100,000
- $20K minimum allocation unless districts request less

Chairman Langdon asked for approval. Commissioner Willis moved to approve the District Financial Assistance Allocation and Commissioner Potter seconded. Motion carried.

10. **Technical Assistance Allocation:** Chairman Langdon recognized Ms. Julie Henshaw to present. A copy of the report is included as an official part of the minutes. Ms. Henshaw stated a special-called meeting took place in February to approve the change in allocation, due to the implementation of the new Cost Share Program Rules. Most of the allocations were approved in February and are in effect for three years. There are unaccounted for funds from Richmond SWCD, since they did not have a technical employee working for a full year and therefore have a

remaining fund balance, and Hoke SWCD did not request a Technical Assistance Allocation. This allocation is for a non-recurring, one-year award of $44,000 among the 99 counties.

Chairman Langdon asked for approval. Commissioner Hughes moved to approve the Technical Assistance Allocation and Commissioner Willis seconded. Motion carried.

11. **Agricultural Water Resources Assistance Program:** Chairman Langdon recognized Ms. Sydney Mucha to present. A copy of the report is included as an official part of the minutes.

11A. Detailed Implementation Plan: Ms. Mucha stated the following updates:

- Cooperator Acknowledgement Forms added to all BMPs
- BMP Quick Reference Tables were added to the web site and
- Highlighted the DIP changes

Chairman Langdon asked for approval of the Detailed Implementation Plan. Commissioner Collier moved to approve the Detailed Implementation Plan and Commissioner Knowles seconded. Motion carried.

11B. Average Cost List: Ms. Mucha highlighted the changes to the Average Cost List.

Chairman Langdon asked for approval of the Average Cost List. Commissioner Knowles moved to approve the Average Cost List and Commissioner Hogan seconded. Motion carried

11C. District Financial Assistance Allocation: Ms. Mucha stated the total requested allocation is $4.7M and the total available funding is $1M with a 70%/30% split between District Allocations (70%) and Regional Allocations (30%). Seventy-four counties will receive the minimum allocation amount of $7,500, and four counties requested less than the minimum allocation amount.

Chairman Langdon asked for approval. Commissioner Hughes moved to approve the District Financial Assistance Allocation and Commissioner Knowles seconded. Motion carried.

12. **Community Conservation Assistance Program:** Chairman Langdon recognized Mr. Tom Hill to present. A copy of the report is included as an official part of the minutes.

12A. Detailed Implementation Plan: Mr. Hill stated the proposed changes include the following:

- Page 1, Background
  - Removed the language regarding the integration of the Cost Share Program Rules
- Page 3, Figure 3
  - BMP Implementation—increased the proposed Statewide allocation by $9,605 (to start the year with $10,000 in this fund) for repair contracts only
  - Technical and Administrative Assistance—updated the district allocation to $20,519

  - Added language to the last sentence to clarify the usage of grant funds, when coupled with state allocated funds
- Page 4, Fiscal Year 2022 Goals, Section II
  - Added "*and Commission*" to the Job Approval Authority (JAA) procedures to reflect the new policy
- Page 7, Table 1
  - Added Table 1 for BMPs, Life Expectancy, and Practice Type

Chairman Langdon asked for approval. Commissioner Hughes moved to approve the Detailed Implementation Plan and Commissioner Willis seconded. Commissioner Hogan stated the community needs to be aware and know the function of this program. The Legislature needs to recognize it and know how the funds are utilized. Motion carried.

Mr. Hill added we are looking at funding the highest-ranking applications that meet the Commission's guidelines and will present the report at the January Commission meeting.

13. **Cost Share Programs Spot Check Report:** Chairman Langdon recognized Mr. Ken Parks to present. A copy of the report is included as an official part of the minutes. Mr. Parks stated the policy and the definitions. The 2021 Summary includes:

- Annual spot checks were received from all 96 districts
- 195 district supervisors participated
- 1,068 contracts were spot checked across all three programs
- 98.1% were in compliance
- Total contracts for all programs for PY 2021: 1,067 vs. PY 2020: 1,013
- Spot Check Summary: Common BMPs Found Out of Compliance
  - Cropland Conversion to Grass
  - Grassed Waterways
  - Long Term No-Till
- For all contracts found out of compliance or needing maintenance, districts will work with the cooperators to repair, reimplement, or repay a prorated amount of contract funds

14. **Contract Extension Requests:** Chairman Langdon recognized Ms. Julie Henshaw to present. A copy of the report is included as an official part of the minutes.

14A. Contract Extensions for Contracts Meeting May 2021 Policy Exception: Ms. Henshaw stated there are 120 extension requests from 46 districts. At its May meeting, the Commission waived the supervisor attendance requirement for contracts pended for JAA, contracts with designs provided with less than 1 year to install, COVID-related hardship, and weather. All the contracts listed in 14A meet the extension criteria and are recommended for extension.

Chairman Langdon asked for approval of the contract extensions. Commissioner Knowles moved to approve the contract extensions and Commissioner Collier seconded. Commissioner Potter stated some of these are old contracts, and we need to be a good steward of the money and get these contracts on the ground. Commissioner Collier stated the supervisors and technical staff need to work towards implementing these contracts. Motion carried.

14B. Contract Extension Requests: Ms. Henshaw stated the individual districts will present each request. Mr. Dietrich Kilpatrick and Mr. Patrick Baker will present Craven SWCD Contract #25-2019-001.

Mr. Baker stated all the work has been completed for this lagoon closure, which has been converted into a pond. The paperwork is incorrect, and NRCS and the contractor have been contacted. There are problems that were discovered regarding the application of waste, which may require revision of the waste plan. The engineer will need one month or more to resolve the issues and for NRCS to make a final decision.

Chairman Langdon asked for approval of the extension request for Craven Contract #25-2019-001. Commissioner Potter moved to approve the extension request to the January meeting and Commissioner Hughes seconded. Motion carried.

Ms. Henshaw stated Duplin SWCD will present Contract #31-2019-804, which is an AgWRAP water supply well and pump extension. Ms. Ann Herron stated this is a request for an extension on an AgWRAP contract. Ms. Angie Quinn stated the landowner was confused and thought the district and NRCS was one in the same office. The landowner applied for a well and irrigation system and was working on different aspects of the well. The producer received a letter from NRCS that his contract was canceled. The district contacted the owner asking about the status of the contract, and the producer had the district confused with NRCS. Although there was a misunderstanding, the producer is ready to move forward to install the practice.

Chairman Langdon asked for approval of Duplin Contract #31-2019-804. Commissioner Knowles moved to approve the extension request and Commissioner Hughes seconded. Motion carried.

Ms. Henshaw stated Onslow SWCD will present Contract #67-2019-504 for a CCAP Critical Area Planting Project and Contract #67-2019-901 for a CREP Cropland Conversion to Trees Project. Mr. Vincent Lewis asked for an extension on the contracts. Ms. Kristian Stewart presented Contract #67-2019-504, which is for the Town of Swansboro to repair the source of a broken pipe before repairing the erosion to the critical area project. There are two rain gardens and two cisterns plus a small French drain with erosion problems. All the BMPs have been completed, but not the critical area around the French drain, since the erosion was coming from a broken pipe. The Town of Swansboro did not have the funds in their FY 2021 budget, so they are requesting an extension to use FY 2022 funds.

Chairman Langdon asked for approval of Onslow Contract #67-2019-504. Commissioner Hughes moved to approve the extension request and Commissioner Hogan seconded. Motion carried.

Ms. Stewart presented Contract #67-2019-901 and stated all the BMPs have been completed except for the disking for one more year. The cooperator, Mrs. Morton, passed away in February 2021, and her son took over the contract. The paperwork must go into a Trust and the contract transferred into his name, which will then be completed.

Chairman Langdon asked for approval of Onslow Contract #67-2019-901. Commissioner Knowles moved to approve the extension request and Commissioner Hughes seconded. Motion carried.

Ms. Henshaw will follow-up with the districts on the older contracts and will establish some process improvements by offering trainings to the districts. There is also a new on-line Cancellation Form that will be uploaded to CS2, and a new on-line 6-Month Extension Form. The districts will also be sent reminders to reduce the number of extension requests.

15. **District Issues:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes. Mr. Vetter stated these are for two post-approval contracts from Stanly SWCD. Mr. Curtis Furr and Ms. Rebecca Brickner will present the contracts.

    15A. Post Approval Contract #84-2021-001: Mr. Curtis Furr stated Ms. Amanda Kirby was called into military service and Ms. Rebecca Brickner replaced Ms. Kirby. Ms. Kirby did not have time to train Ms. Brickner and information was entered incorrectly into CS2. The landowner has been contacted and the contract is in compliance. Ms. Kirby is working with Ms. Lisa Fine and Mr. Ralston James on both contracts.

    Chairman Langdon asked for approval of the contracts. Commissioner Hughes moved to approve the Contracts #84-2021-001 and #84-2020-802 and Commissioner Potter seconded. Motion carried.

    Chairman Langdon asked Ms. Brickner for her insight into what can be done to improve district employee training. Ms. Brickner stated the efforts to build the online training library, the process flow for a more-simplified manual, troubleshooting CS2, and relying on the Division staff and those in neighboring districts for assistance.

    15B. Post Approval Contract #84-2020-802: *(Item 15B was included and approved in one motion with Item 15A.)*

16. **Supervisor Training Credit Report:** Chairman Langdon recognized Ms. Kristina Fischer to present. A copy of the report is included as an official part of the minutes. Ms. Fischer stated the Supervisor Training Credits (STCs) have been awarded by the Division, and the credits are broken down by trainings. A summary table for the credit hours by term was highlighted.

    Chairman Langdon stated a quarterly report should be generated to manage the STCs. Ms. Fischer stated there is a list on the Division's web site and the regional coordinators can promote trainings so the supervisors can receive the appropriate trainings and hours.

IV. Public Comments:

Chairman Langdon stated we need to be reminded that everyone is part of a whole team, which includes the Division of Soil & Water Conservation, the NC Association of Soil & Water Conservation Districts, the Commission, district supervisors, district employees, the Attorney General's office, and the District Employees Association (DEA). Every person has a talent and we should not underestimate the importance of your talent and being part of a whole. We need to deliver successful programs and be mindful of the taxpayer dollars. The Legislators need to recognize us and the importance of our work. Technology has a place and it has been useful over the last year, but it is not a fix-all because it is important to gather together.

Mr. Dietrich Kilpatrick thanked the Commission for changing the cover crop planting dates. With the high prices of wheat, it should help the farmers. Mr. Kilpatrick stated it is nice to see the Commission on the road and extended an invitation to the Commission to meet in Craven County.

Commissioner Willis asked if Mr. Jason Byrd has any information about the CET. Mr. Byrd stated there is excitement about the upcoming trainings and the JAA Program. Employee morale has improved, and he appreciates Chairman Langdon stating everyone in our partnership is important from the technicians to those in the field. The relationships we have with the farmers is important.

Mr. Keith Larick stated we have been working on climate and agricultural practices and most of those practices have a water quality benefit, which includes the Commission's programs. The Farm Bureau is working with the NC Association of Soil & Water Conservation Districts and the Division of Soil & Water Conservation on this effort.

Director Vernon Cox reminded everyone of the public hearing at 1 p.m. today.

V. Adjournment: Chairman Langdon asked for a motion to adjourn. Commissioner Potter moved to adjourn the meeting and Commissioner Willis seconded. Motion carried and the meeting adjourned at 12:17 p.m.

Vernon N. Cox, Director
Division of Soil & Water Conservation, Raleigh, N.C.

Helen Wiklund, Recording Secretary

These minutes were approved by the North Carolina Soil & Water Conservation Commission on , 2021.

NORTH CAROLINA
SOIL & WATER CONSERVATION COMMISSION
WORK SESSION MEETING MINUTES
May 18, 2021

WEBINAR
https://ncagr.webex.com/ncagr

NC Department of Agriculture
Division of Soil & Water Conservation

Commission Members	Guests	Guests
John Langdon	Julie Henshaw	Michael Shepherd
Wayne Collier	Jeff Young	Rick McSwain
Blount Knowles	Joshua Vetter	Sandra Weitzel
Chris Hogan	Helen Wiklund	Eric Pare
Chris Hughes	Bryan Evans	Anne Coan
Derek Potter	Cayle Aldridge	Burke SWCD
Mike Willis	Lisa Fine	Dewitt Hardee
Commission Counsel	Kristina Fischer	Sydney Mucha
Phillip Reynolds	Ken Parks	Gail Hughes
Guests	Tom Hill	Eric Galamb
Vernon Cox	Allie Dinwiddie	
David Williams	Ralston James	

Chairman Langdon called the meeting to order at 6:04 p.m. Chairman Langdon inquired whether any Commission members need to declare any conflict of interest, or appearance of conflict of interest, that may exist for agenda items under consideration, as mandated by the State Ethics Act. Chairman Langdon stated the meeting guidelines.

1. **Approval of Agenda:** Chairman Langdon asked for comments on the agenda. None were declared.

2. **Approval of Meeting Minutes:** Chairman Langdon asked for comments on the minutes. Commissioner Collier stated the minutes are in order.

   2A. March 16, 2021 Work Session Meeting Minutes
   2B. March 17, 2021 Business Session Meeting Minutes

3. **Division Report:** Chairman Langdon recognized Director Vernon Cox. Director Cox stated the report will be presented at the Business Meeting. A copy of the report is included as an official

part of the minutes. Director Cox stated the July Commission meeting will be held in person at the Farm Bureau's office in Johnston County, with a virtual option.

4. **Association Report:** Chairman Langdon recognized President Blount Knowles. President Knowles stated the report will be presented at the Business Meeting tomorrow. A copy of the report is included as an official part of the minutes.

5. **NRCS Report:** Chairman Langdon asked if Mr. Beard will present the report tomorrow. Director Cox stated Mr. Beard will present the report tomorrow.

6. **Consent Agenda:** Chairman Langdon recognized Mr. Eric Pare and Mr. Joshua Vetter to present. Copies of the reports are included as an official part of the minutes.

   6A. Supervisor Appointments:

   - Keith Sink, Davidson SWCD, filling the unexpired appointed term of Mr. Ben Hege for 2018-2022 with attached resignation letter from Mr. Hege
   - Shane Snider, Davidson SWCD, filling the unexpired elected term of Mr. Keith Sink for 2018-2022 with attached resignation letter from Mr. Sink
   - Stephanie Carter, Hoke SWCD, filling the unexpired appointed term of Ms. Joanne H. Hendrix for 2020-2024 with an attached resignation letter from Ms. Hendrix
   - Barbara Justice-Rooks, Onslow SWCD, filling the unexpired elected term of Mr. Willie Justice for 2018-2022 with an attached resignation letter from Mr. Justice
   - Elizabeth Deese Davenport, Richmond SWCD, filling the unexpired elected term of Mr. Harold T. Deese, Sr. (deceased) for 2018-2022
   - Millard L. Locklear, Robeson SWCD, filling the unexpired appointed term of Mr. Lycurous Lowry (deceased) for 2018-2022
   - Donald Johnson Small, Washington SWCD, filling the unexpired appointed term of Mr. Ernest Wayne Grimes (deceased) for 2020-2024

   6B. Supervisor Contracts: 7 contracts; totaling $66,846

7. **Ad Hoc Committee Report:** Chairman Langdon recognized Director Vernon Cox to present. A copy of the report is included as an official part of the minutes.

   7A. Guiding Principles for Nomination of Supervisor for Appointment or Reappointment: Director Cox stated the Commission had previously appointed an Ad Hoc Committee to make recommendations to encourage local District Boards to consider ways to maintain an agricultural presence when nominating a supervisor. The Ad Hoc Committee met on February 15th and April 27th, to consider how the objectives could be met. The recommendation of the Ad Hoc Committee is that there be revisions to the Guiding Principles for Nomination of Supervisor for Appointment or Reappointment. The following recommendations are proposed by the Ad Hoc Committee:

   - Add Item 1 to change the Guiding Principles, which recommends that at least two members of the district's board are actively engaged in, or recently retired from, an agricultural operation

- Removes any reference to the number of Guiding Principles that a nomination will address. Originally, it was suggested that a nominee should address five out of the ten Guiding Principles. The local district will now give equal consideration to all the items.
- Require the nominating district to answer the 11 Guiding Principle questions and provide the additional information when submitting the nomination to the Commission.

8. **Job Approval Authority:** Chairman Langdon recognized Mr. Jeff Young to present. A copy of the report is included as an official part of the minutes.

   8A. Applications: Mr. Young stated there are 21 applications for approval. Mr. Young stated the deadline was May 1. Nineteen of the 21 applicants are seeking comparable Job Approval Authority (JAA) and two applicants (#16 and #18) are seeking first-time Job Approval Authority (JAA).

   8B. Technical Competency Requirements: Mr. Young stated there are ten practices recommended for approval.

9. **Proposed Amendments for Subchapter 59A Organization and Operation Rules:** Chairman Langdon recognized Director Vernon Cox to present. A copy of the report is included as an official part of the minutes. Director Cox stated in 2018, statutory provisions were adopted requiring district supervisors to obtain six hours of training per term. Consequently, there is also a need for rules to be adopted for implementing these training requirements for district supervisors. If approved tomorrow, the rules will be published in the NC Register on June 15 with a public comment period open at that time. A public hearing would be held on July 21 after the Commission's regularly scheduled July meeting, with a Commission member serving as the hearing officer. A virtual public hearing will also be held on August 3 at 7 p.m., to receive additional public comments. The 60-day public comment period will close on August 16 and the comments and any proposed revisions will be compiled, and the Commission will consider the final rules at the September Commission meeting. The rules will be reviewed by the Rules Review Commission (RRC), and these rules will become effective on January 1, 2022. The first group of supervisors impacted by the new legislation are those elected in the fall of 2018. If there are no changes to the schedule, the rules will be in place before the election in 2022. The following changes were highlighted:

   - 02 NCAC 59A .0101 adds the "*state cost share programs for water quality and water quantity"*
   - 02 NCAC 59A .0102 updates the address of the Division and Department
   - 02 NCAC 59A .0103 adds a definition for the Association and updates the Department's name to *Agriculture & Consumer Services*
   - 02 NCAC 59A .0104 has been deleted (repealed)
   - 02 NCAC 59A .0201 incorporates the previous policy that had been adopted by the Commission for the Supervisor Training Program. All red underlines are a new proposed rule.

   Commissioner Willis stated under Section 02 NCAC 59A .0201, the Commission should be kept involved and know what specific training courses and related credits are being approved or not approved and the education/training classes other districts are enrolled in. Director Cox stated

the staff can provide a more detailed report. Deputy Director David Williams noted that if someone believes they did not get the appropriate credit for training that was denied by the Division, it would be brought before the Commission. Counsel Reynolds stated the Commission can delegate to the Division what they will approve or disapprove and report back to the Commission. Commissioner Potter stated no supervisor should be left behind with regards to training. Deputy Director David Williams stated that for training credit to be received at a local board meeting, the regional coordinator needs to be notified to approve or deny the training credit. Commissioner Potter stated an addendum or update should be brought forth to the Commission for the last quarter. Commissioner Potter asked for a quarterly report, and the Commissioners agreed.

- 02 NCAC 59A .0202 addresses required basic training

There was much discussion about requiring elected supervisors to attend the Basic Training for Soil and Water Conservation District Supervisors, currently led by the UNC School of Government.

- 02 NCAC 59A .0203 reiterates that supervisors must obtain six hours of Supervisor Training Credits per term
- 02 NCAC 59A .0204 addresses the acceptable training credits, the type of training, how training is obtained, credits are not awarded for the same training more than two times in a term, and the Division will maintain the credits, which are posted on the Division's web site
- 02 NCAC 59A .0301 addresses supervisor removal procedures. Grounds for removal are specified in G.S. 139-7 and are described as neglect of duty, incompetence or malfeasance in office. The rule states that evidence of neglect of duty includes the failure of a supervisor to meet the training requirements set forth in 02 NCAC 59A .0200. The rule requires that each district must submit a supervisor attendance report by January 31 of each year. In addition, the Commission shall be notified of any member that has failed to attend three consecutive,-regularly schedule meetings, except when prevented by illness, and the district will address the reason for non-attendance and actions the district has taken.
- 02 NCAC 59A. 0302 addresses an Inquiry Committee comprised of three Commission members appointed by the Commission Chair. The Inquiry Committee is responsible for determining whether there is sufficient cause for the Commission to conduct a hearing to consider removal of a supervisor from office.

Chairman Langdon called a break at 8:38 p.m. The meeting resumed at 8:45 p.m.

10. **AgWRAP Review Committee Recommendations:** Chairman Langdon recognized Ms. Sydney Mucha to present. A copy of the report is included as an official part of the minutes.

10A. Conservation Irrigation Conversion Revision (Consolidation with Micro-Irrigation BMP): Ms. Mucha stated this is a consolidation of the Conservation Irrigation Conversion and Micro-Irrigation BMPs. The current and proposed changes to the BMPs were highlighted.

10B. Livestock Water Storage BMP: Ms. Mucha stated this is a new BMP. The purpose is to construct a system of water storage for watering livestock that can be contracted with other AgWRAP BMPs or used to retrofit existing AgWRAP BMPs for increased water storage.

11. **Technical Review Committee Recommendations:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes. Mr. Vetter stated three BMPs will be presented and the changes to the BMPs were reviewed by the Technical Review Committee (TRC).

    11A. Cover Crop BMP: Mr. Vetter provided a summary of the proposed policy changes to the BMP, which includes changing from an incentive BMP to a regular cost-share BMP and highlighted the proposed cost share rates.

    11B. Residue and Tillage Management BMP: Mr. Vetter stated the only change is from an incentive BMP to regular cost-share BMP. If approved, this change will be reflected in the DIP. The Technical Review Committee (TRC) has also reviewed and approved this proposed change.

    11C. Sod-based Rotation BMP: Mr. Vetter stated the proposed changes for this practice are the change from an incentive practice to a regular cost-share practice, added grazing and haying policy to the BMP summary, adding Forage Harvest Management as a reference standard, and the change from a flat rate incentive payment to average cost.

12. **Request for Exception to Criteria for Extension of Previous Program Year Contracts Policy:** Chairman Langdon recognized Ms. Julie Henshaw to present. A copy of the report is included as an official part of the minutes. Ms. Henshaw stated this is a request for an exception to Commission policy and to waive the requirement for a district supervisor to appear before the Commission to request a contract extension. The Commission is being asked to consider an exception to policy for the following categories of contracts:

    1. *Any contract that is pended for Job Approval Authority for those outside of district level of approval*.
    2. *Any contract where engineering approval was provided less than 12 months prior to expiration.*
    3. *COVID related hardship*.
    4. *Wet weather*.

    There is an on-line form to request a contract extension due to the wet weather and pandemic.

13. **Removal of the Policy for Reviewing Well, Pump, and Irrigation Designs by Private Entities:** Chairman Langdon recognized Mr. Jeff Young to present. A copy of the report is included as an official part of the minutes. Mr. Young stated this BMP is a specialized practice and designs are developed by private entities outside of the conservation partnership. Recent changes to the BMP policies negates the need for a Division engineer to review the design.

14. **District Issues:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes.

14A. Post-Approval Contract 31-2021-810: Mr. Vetter stated Duplin is requesting a post approval for an AgWRAP well that was installed, due to a miscommunication between two farmers. Mr. Franklin Williams and district staff will present the issue tomorrow.

15. **Consideration of CREP Tree Harvest Policy:** Chairman Langdon recognized Mr. Eric Galamb to present. A copy of the report is included as an official part of the minutes. Mr. Galamb stated in May 2018 there was a change in the CREP buffer ratio policy, by allowing enrollments of permanent easements at a 10:1 ratio of existing buffer to new enrollment. This policy change resulted in an increase in enrollment acreage. Some existing enrollees have requested that CREP allow clearcutting of their permanent easements. The current policy only allows thinning. In September 2019, a workgroup met, and this draft policy was developed. The proposed changes to the policy are detailed Items 5, 9 and 10. Item 5 states, "*No clearcutting will be allowed before 35 years of age for pine or 65 years of age for hardwoods.*" Item 9 states, "*Successful reforestation is required within three (3) years after the harvest*. Item 10 states, "*After harvest, a qualified forester or biologist must monitor and document the trees' growth for 5 years*. The landowner will be asked to revegetate. Commissioner Willis stated looking at stream debris removal and getting trees removed before there is stream damage, this needs to be discussed with the NC Land and Water Fund. Mr. Galamb stated although CREP receives financial support, the NC Land and Water Fund subcommittee was not in agreement with the proposed policy.

    Ms. Anne Coan stated that the NC Land and Water Fund provides a lot of money to the CREP Program, and the program will not survive without funding from the Fund. It is an important program for the Commission. The landowners signed the easements knowing the consequences. As chairman of the CREP workgroup several years ago, we worked to get it back in line with the intent of the then Clean Water Management Trust Fund Board. The farmer is number one. The science supports the proposed changes.

IV. Public Comments: No public comments.

V. Adjournment: Meeting adjourned at 10:11 p.m.

Vernon N. Cox, Director
Division of Soil & Water Conservation, Raleigh, N.C.

Helen Wiklund, Recording Secretary

These minutes were approved by the North Carolina Soil & Water Conservation Commission on , 2021.

NORTH CAROLINA
SOIL & WATER CONSERVATION COMMISSION
BUSINESS SESSION MEETING MINUTES
May 19, 2021

WEBINAR
https://ncagr.webex.com/ncagr

NC Department of Agriculture
Division of Soil & Water Conservation

Commission Members	Guests	Guests
John Langdon	Allie Dinwiddie	Sandy Stewart
Wayne Collier	Sydney Mucha	Brian Lannon
Blount Knowles	Eric Galamb	Cindy Phelps
Chris Hogan	Ralston James	Cruise Gibbs
Chris Hughes	Tom Gerow	Paula Day
Derek Potter	Bryan Evans	Josh Parker
Mike Willis	Jason Byrd	Deanie Creech
Commission Counsel	Eric Pare	James Massey
Phillip Reynolds	Angie Quinn	James Vincent
Guests	Cole Smith	Julia Hardy
Vernon Cox	Sarah Clancy	Julius George
David Williams	PJ Andrews	Kayla McCoy
Jeff Young	Michelle Raquet	Odessa Armstrong
Joshua Vetter	Kaitlyn Johnson	Rob Baldwin
Julie Henshaw	Charles Bass	SK Bevington
Helen Wiklund	Rick McSwain	Lucas Baxley
Sandra Weitzel	Bob Dennis	Dewitt Hardee
Cayle Aldridge	Travis Smith	Will Summer
Lisa Fine	WD McClellan	Jason Cathey
Kristina Fischer	Bill Ivey	Annette Adams
Ken Parks	Franklin Williams	Anne Coan
Tom Hill	Keith Larick	Gail Hughes
Michael Shepherd	Adam Hilton	
Tim Beard	Dean Parker	

Chairman Langdon called the meeting to order at 9:01 a.m. Chairman Langdon inquired whether any Commission members need to declare any conflict of interest, or appearance of conflict of interest, that may exist for agenda items under consideration, as mandated by the State Ethics Act. Chairman Langdon stated the meeting guidelines.

1. **Approval of Agenda:** Chairman Langdon stated Dr. Sandy Stewart has a conflict and suggested Agenda Items 7 and 8 should be switched so Dr. Stewart can participate during the Ad Hoc Committee presentation. Chairman Langdon asked for approval to revise the agenda. Commissioner Hughes moved to approve the revised agenda and Commissioner Willis seconded. Motion carried.

2. **Approval of Meeting Minutes:** Chairman Langdon asked for approval of the minutes. Commissioner Collier moved to approve the minutes and Commissioner Hughes seconded. Motion carried.

   2A. March 16, 2021 Work Session Meeting Minutes
   2B. March 17, 2021 Business Session Meeting Minutes

3. **Division Report:** Chairman Langdon recognized Director Vernon Cox. A copy of the report is included as an official part of the minutes. Director Cox presented the following:

   - Coronavirus Update
     - Governor Cooper removed the limits on indoor and outdoor gatherings
     - Division continues to telework and is waiting for guidance to return to normal working schedule
   - Personnel Update
   - July Commission meeting will be in person in Johnston County at the Farm Bureau with virtual meeting access and a possible tour the afternoon of July 20
   - September Commission meeting will be in person in Macon County with a change in the dates from September 14 and 15 to September 21 and 22

   Chairman Langdon asked the Commissioners to check their schedule for any conflict with changing the dates for the September meeting.

4. **Association Report:** Chairman Langdon recognized President Blount Knowles. A copy of the report is included as an official part of the minutes. President Knowles presented the following:

   - Legislative Actions
     - House Bill 431 being reviewed by the Legislature for the Streamflow Rehabilitation Program for $5M for ’20 – ’21 budget and $5M for ’21 – ’22 budget with an additional $1.5M in non-recurring – non-reverting CCAP funding
     - Senate is working on getting money dispersed through different agencies with regards to disaster recovery efforts
   - Continue to receive Mutual Aid Agreements from Districts
   - Conservation Action Team (CAT) is meeting next week
   - Leadership Development Program trains leaders and is working to schedule a face-to-face meeting in the summer
   - National Executive Directors Conference will meet in Asheville in September

5. **NRCS Report:** Chairman Langdon recognized Mr. Tim Beard to present. A copy of the report is included as an official part of the minutes. Mr. Beard presented the following:

   - National Update
     - Safety during the pandemic is our first priority. NRCS is receiving guidance and updates on a regular basis
     - Field office personnel are at 50% of capacity; State and Area offices are at a maximum capacity of 25%
     - Customers must continue to make appointments and tools have been developed between FSA and NRCS to help producers digitally conduct business
     - Climate-Smart Agriculture is a new concept for USDA and NRCS supports this idea, which is in our wheelhouse
   - State Update
     - One project was approved through the Regional Conservation Partnership Program (RCPP) with Resource Institute on a Stream Habitat project for $3.5M
     - Agricultural Conservation Easement Program (ACEP) – Agricultural Land Easements (ALE) received 14 applications with an initial allocation of $900,796, and the Wetlands Reserve Easement (WRE) received 15 applications with an initial allocation of $2.9M
     - A new program in the 2018 Farm Bill called Environmental Quality Incentives Program-Conservation Incentives Contracts (EQIP-CIC) has been delayed. EQIP-CIC blends the elements of EQIP classic and CSP. The program may not roll out until next fiscal year, due to increased costs of materials, i.e., wood.
   - Program Update
     - Financial assistance is obligating dollars to EQIP and CSP
     - Office of Personnel Management (OPM) has approved 46 positions in North Carolina with several new hires that started in April and additional engineers and soil scientists being hired; all entry level positions

6. **Consent Agenda:** Chairman Langdon asked for approval of the consent agenda. Commissioner Hughes moved to approve the consent agenda and Commissioner Knowles seconded. Motion carried.

   Copies of the reports are included as an official part of the minutes.

   6A. Supervisor Appointments:

   - Keith Sink, Davidson SWCD, filling the unexpired appointed term of Mr. Ben Hege for 2018-2022 with attached resignation letter from Mr. Hege
   - Shane Snider, Davidson SWCD, filling the unexpired elected term of Mr. Keith Sink for 2018-2022 with attached resignation letter from Mr. Sink
   - Stephanie Carter, Hoke SWCD, filling the unexpired appointed term of Ms. Joanne H. Hendrix for 2020-2024 with an attached resignation letter from Ms. Hendrix
   - Barbara Justice-Rooks, Onslow SWCD, filling the unexpired elected term of Mr. Willie Justice for 2018-2022 with an attached resignation letter from Mr. Justice
   - Elizabeth Deese Davenport, Richmond SWCD, filling the unexpired elected term of Mr. Harold T. Deese, Sr. (deceased)

- Millard L. Locklear, Robeson SWCD, filling the unexpired appointed term of Mr. Lycurous Lowry for 2018-2022 (deceased)
- Donald Johnson Small, Washington SWCD, filling the unexpired appointed term of Mr. Ernest Wayne Grimes, for 2020-2024 (deceased)

6B. Supervisor Contracts: 7contracts; totaling $66,846

Chairman Langdon stated Item 8 is now Item 7 and recognized Mr. Jeff Young to present.

7. **Job Approval Authority:** A copy of the report is included as an official part of the minutes.

   7A. Applications: Mr. Young stated there are 21 total applicants with 19 applicants seeking comparable NRCS Job Approval Authority (JAA) and two applicants seeking first-time Job Approval Authority (JAA) for ecological science.

   Chairman Langdon asked for approval of the applications. Commissioner Hughes moved to approve the applications and Commissioner Potter seconded. Motion carried.

   7B. Technical Competency Requirements: Mr. Young stated these Technical Competency Requirements are being developed in the various Commission Cost Share Programs. These ten BMPs will be incorporated and have been reviewed by the Job Approval Authority (JAA) Workgroup.

   Chairman Langdon asked for approval of the technical competency requirements. Commissioner Hughes moved to approve the technical competency requirements and Commissioner Potter seconded. Motion carried.

8. **Ad Hoc Committee Report:** Chairman Langdon recognized Director Vernon Cox to present. A copy of the report is included as an official part of the minutes.

   Guiding Principles for Nomination of Supervisor for Appointment or Reappointment: Director Cox stated there was a request at the January Commission meeting that actions should be taken to ensure that districts continue to maintain an agricultural presence on their boards. Chairman Langdon appointed an Ad Hoc Committee and initial recommendations were presented at the March Commission meeting. A second Ad Hoc Committee meeting was held on April 27. The recommendation being presented to the Commission is to modify the Commission's Guiding Principles for Nomination of Supervisor for Appointment or Reappointment to include an additional principle that each district board have two supervisors that are actively engaged in, or recently retired from, an agricultural operation. The recommendation for revision to the guiding principles also removes any reference to a specific number of guiding principles that a nominee should address. The board will provide an explanation of how the nominee's qualifications address each of the guiding principles.

   Chairman Langdon asked for approval of the guiding principles. Commissioner Hughes moved to approve the guiding principles and Commissioner Potter seconded. Motion carried.

9. **Proposed Amendments for Subchapter 59A Organization and Operation Rules:** Chairman Langdon recognized Director Vernon Cox to present. A copy of the report is included as an official part of the minutes. Director Cox stated this proposed rule outlines the requirements for supervisor training, and if the need arises, the process for removing an individual from his/her position as a district supervisor.

   Counsel Reynolds stated the rules allow the requirements to be applied equally, which removes any subjectivity. Laws are passed by the General Assembly, and the Commission is a separate state agency that sets the rules and requirements. The Commission has the authority to approve what trainings are required, and how the trainings are administered. In the past, the training requirement has only been for appointed supervisors to complete the School of Government (SOG) training within a year, but the Commission can offer an extension. With the change in Session Law 139-7.2, now every supervisor, appointed and elected, must complete six hours of training per term. The Commission is subject to the NC Administrative Procedure Act, which defines what a rule is, what it can be, what it cannot be, and what process the Commission must follow to get the rule in place. The Commission had previously operated under policies and not rules. The law states that if you are to enforce a policy for someone outside the agency, the Commission must go through the rulemaking process. General Statue 150B-18 states, "*An agency shall not seek to implement or enforce against any person a policy, guideline, or other interpretive statement that meets the definition of a rule contained in G.S. 150B-2(8a), if the policy, guideline, or other interpretive statement has not been adopted as a rule in accordance with this Article*." Chairman Langdon stated at the present time, our governance is improper and for proper governance, the Commission must have rules or bylaws in place first, then the policy follows, which cannot be enforced without a rule first. Counsel Reynolds stated a rule is defined as, "*Any agency regulation, standard, or statement of general applicability that implements or interprets an enactment of the General Assembly or that describes a procedure or practice requirements of an agency."* The Commission must have these requirements in rules. This is not about whether the requirement for training is a good idea or bad idea, this was decided by the General Assembly.

   Commissioner Potter stated the proposed rules are more restrictive than what legislation requires, and the Commission may be overstepping by not allowing the districts to be led locally. Commissioner Willis is for the School of Government training and any other training to prepare supervisors. Most district boards, when a new member joins, should suggest the School of Government training and any other training to get the new supervisor acclimated. As volunteers, the local boards should take more initiative.

   Commissioner Collier stated the NC Association of Soil & Water Conservation Districts, the NC Soil & Water Conservation Commission, and the Division of Soil & Water Conservation came up with a roadmap and a plan, and the policies reflect the intentions. The roadmap is to finalize these requirements, which includes the School of Government training. Mr. Bryan Evans stated in 2019 the Association began scheduling the School of Government training in three, one-day sessions in each of the State's three geographic regions (Coastal, Mountain, and Piedmont). The School of Government has been working with the Association, and there has been an increase in attendance. There were approximately 100 supervisors in attendance at the trainings offered in 2021. Director Cox stated the Administrative Procedures Act requires the Commission to follow a process to adopt a rule. The following is the proposed timeline for the Rulemaking Process.

Date	Milestone
May 19	Commission votes to approve text and Initiate Rulemaking
May 24	NCDA&CS Rulemaking Coordinator (Chrissy Waggett) submits the proposed repeal, amendments, and adoptions to the Office of Administrative Hearings
June 15	Proposed rules will be published in the NC Register, public comment period opens
July 21	Proposed public hearing (following Commission's regularly scheduled July meeting) – 1:00 p.m.
August 3	Proposed public hearing 7:00 p.m.
August 16	Public comment period closes
September 15	Commission considers vote on final rules
Oct – Nov	Rules Review Commission consider rules for review
January 1, 2022	Proposed effective date

Chairman Langdon asked for approval of the Proposed Amendments. Commissioner Hughes moved to approve the Proposed Amendments for Subchapter 59A and Commissioner Hogan seconded. Commissioner Potter stated the districts want to be locally led, volunteers do not want to be told what to do, they want to actively participate. The organization has changed, and change will continue and as such, training will need to change. Area coordinators attend most of the area board meetings and provide guidance on legal, education, and program issues. Commissioner Potter has no issue with the removal policy. Commissioner Willis stated he has reservations about requiring that a new supervisor, appointed or elected, to attend the School of Government training. The local board should take the initiative with the new supervisor versus the Commission. The roll call vote was as follows: Commissioner Collier—yea, Commissioner Hogan—yea, Commissioner Willis—yea, Commissioner Potter—nay, Commissioner Knowles—yea, Commissioner Hughes—yea. Motion carried.

Chairman Langdon asked Dr. Sandy Stewart if he would like to make any comments. Dr. Stewart stated that the new Agricultural Science Center, which consolidates many regulatory divisions in the Department, is almost complete. Commissioner Troxler sends his greetings. There is proposed legislation affecting the Division of Soil & Water Conservation, including COVID-related funding opportunities and some enhancements to the Agriculture Cost Share Program. There are a lot of small and medium size operations that have been successful over the last year and the Department is seeking to continue to enhance the market for cattle and sheep; especially the beef market. We are looking to improve the small and medium size slaughterhouses. There is pending legislation to provide state assistance to those who want to start a new slaughterhouse facility.

10. **AgWRAP Review Committee Recommendations:** Chairman Langdon recognized Ms. Sydney Mucha to present. A copy of the report is included as an official part of the minutes.

    10A. Conservation Irrigation Conversion Revision (Consolidation with Micro-Irrigation BMP): Ms. Mucha stated this BMP is a consolidation of the Micro-Irrigation and Conservation Irrigation Conversion BMP.

    Chairman Langdon asked for approval of the Conservation Irrigation Conversion Revision. Commissioner Knowles moved to approve the revision and Commissioner Hughes seconded. Motion carried.

10B. Livestock Water Storage BMP: Ms. Mucha stated this is a new BMP.

Chairman Langdon asked for approval of the Livestock Water Storage BMP. Commissioner Collier moved to approve the Livestock Water Storage BMP and Commissioner Hogan seconded. Motion carried.

11. **Technical Review Committee Recommendations:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes. Mr. Vetter stated these three BMPs have been reviewed by the Technical Review Committee (TRC).

11A. Cover Crop BMP: Mr. Vetter stated this practice has changed from an incentive to a regular cost-share BMP, with the removal of the three annual contract limit, the lifetime payment limits were removed and planting specifications are based on the NRCS Cover Crop Practice Standard – Specifications Development Tables. The practice may be contracted as a single annual practice or for up to three consecutive years, and the multi-species mix rate was removed.

Chairman Langdon asked for approval of the Cover Crop BMP. Commissioner Collier moved to approve the BMP and Commissioner Hogan seconded. Motion carried.

11B. Residue and Tillage Management BMP: Mr. Vetter stated this practice has changed from an incentive to a regular cost-share BMP, with the removal of the three annual contract limit and the lifetime payment limits were removed. The practice may be contracted as a single annual practice or for up to three consecutive years, payment will be made after the practice has met the intended purpose, and the practice is combined from four practices into one practice.

Chairman Langdon asked for approval of the Residue and Tillage Management BMP. Commissioner Collier moved to approve the Residue and Tillage Management BMP and Commissioner Knowles seconded. Motion carried.

11C. Sod-Based Rotation BMP: Mr. Vetter stated this BMP is changing from an incentive to a regular cost-share practice. The changes removed the three annual contract limit and removed the lifetime payments limits.

Chairman Langdon asked for approval of the Sod-Based Rotation BMP. Commissioner Collier moved to approve the Sod-Based Rotation BMP and Commissioner Willis seconded. Motion carried.

12. **Request for Exception to Criteria for Extension of Previous Program Year Contracts Policy:** Chairman Langdon recognized Ms. Julie Henshaw to present. A copy of the report is included as an official part of the minutes. Ms. Henshaw stated on June 30 all outstanding third year contracts expire, and all funds encumbered to those contracts will return to the state unless the contracts are extended. The Division is requesting a policy exception of the District Supervisor requirement to attend the first Commission meeting of the new fiscal year for the following groups of contracts:

1. *Any contract that is pended for Job Approval Authority for those outside of district level of approval.*
2. *Any contract where engineering approval was provided less than 12 months prior to expiration.*
3. *COVD related hardship.*
4. *Wet weather.*

There are some contracts that would not fall into these categories and the supervisor will be required to follow the Commission's policy for attendance at the July Commission meeting.

Chairman Langdon asked for approval of the Exception. Commissioner Knowles moved to approve the Request for Exception to Criteria for Extension of Previous Program Year Contracts Policy and Commissioner Hogan seconded. Motion carried.

13. **Removal of the Policy for Reviewing Well, Pump, and Irrigation Designs by Private Entities:** Chairman Langdon recognized Mr. Jeff Young to present. A copy of the report is included as an official part of the minutes. Mr. Young stated this request is to remove an existing policy for engineering staff to review well, pump, and irrigation designs developed by private entities. The Nonpoint Source staff has added requirements and safeguard measures, which includes checkout forms and certifications by the private entities designing the practices, and the current policy to require review by a Division engineer is unnecessary.

    Chairman Langdon asked for approval of the Policy. Commissioner Potter moved to approve the Policy and Commissioner Willis seconded. Motion carried.

14. **District Issues:** Chairman Langdon recognized Mr. Joshua Vetter to present. A copy of the report is included as an official part of the minutes.

    14A. Post-Approval Contract 31-2021-810: Mr. Vetter stated Duplin County is requesting a post approval on an AgWRAP well contract. A letter from the district, the well construction record and pictures are included in your packet. Mr. Franklin Williams and district staff are available for questions. Chairman Langdon stated all cooperators should be educated and know the contract requirements and should use the new Check-out Sheet and Cooperator Acknowledgement Forms.

    Chairman Langdon asked for approval of Contract 31-2021-810. Commissioner Knowles moved to approve the Contract 31-2021-810 and Commissioner Hogan seconded. Motion carried.

15. **Consideration of CREP Tree Harvest Policy:** Chairman Langdon recognized Mr. Eric Galamb to present. A copy of the report is included as an official part of the minutes. Mr. Galamb stated the purpose of the CREP Program is to improve water quality and provide wildlife habitat in targeted river basins. The program was established due to fish kills in the Neuse and Tar-Pamlico River basins in the mid 90's. In May 2018, the Soil and Water Conservation Commission adopted a policy allowing enrollment of permanent easements at a 10:1 ratio of existing buffer acres to newly enrolled acres. Some existing enrollees have requested that CREP allow clearcutting of their permanent easements. This question has also been asked during our

discussions with potential enrollees. In September 2019, a workgroup was convened to consider this issue. CREP receives funds from the NC Land and Water Fund (formerly the Clean Water Trust Fund). The draft policy was presented before a subcommittee of the Land and Water Fund, but the subcommittee did not take action.

BMPs are installed for the protection of water quality. Current easements allow thinning in year 16, but policy #2 will allow earlier thinning, if the basal area of the unthinned stand is at least 120 sq. ft/acre. The policy requires that a 50' buffer zone must remain intact. The NC Forest Service presented scientific papers indicating that there is only limited nutrient uptake by a 35-year old pine stand and hardwoods have a reduction in their nutrient uptake at year 65. No clearcutting would be allowed before 35 years for pine and 65 years for hardwoods. A forester will prepare the harvest plan and monitor the site after the harvest. The loading decks will be located outside of the CREP easements.

There was discussion about the 50' buffer zone and the environmental issues, due to hurricanes and wind and/or ice storms, which could create environmental problems. A discussion with the NC Land and Water Fund should take place to look at the scientific points of managing the forests and streams. There are trees falling out of the buffers into the streams, which affects other property owners. There should be further discussions to explore the science and regional weather impacts. A presentation by the staff should be put together to gain a better understanding of each piece.

Chairman Langdon asked for approval of the CREP Tree Harvest Policy. Commissioner Collier moved to approve the CREP Tree Harvest Policy and Commissioner Hogan seconded. The roll call vote was as follows: Commissioner Potter—nay, Commissioner Collier—yea, Commissioner Hogan—yea, Commissioner Willis—yea, Commissioner Knowles—yea, Commissioner Hughes—yea. Motion carried.

IV. Public Comments:

Chairman Langdon stated one program was not included in previous analysis of our Cost Share Programs, which is the NC Department of Agriculture's Farmland Preservation Program. Chairman Langdon asked for an analysis to be run to see what districts are participating in land preservation easements and compare it to the districts that are not participating, to learn from those participating and enable farmland preservation efforts to be more successful. Director Cox stated the program is managed through the NC Agricultural Development & Farmland Preservation program and some districts are participating, and there is an outreach effort to educate districts about the program. The Division staff will poll the districts and find out what districts are currently participating in the program and what districts are not. It will be added to our program accomplishment reports.

Mr. Bryan Evans stated the NC Association of Soil & Water Conservation Districts has been looking at those districts participating in conservation easements and will assist Director Cox.

Commissioner Willis stated the Commission passed the revision of the CREP Tree Harvest Policy. The Commission should start a dialog and explore the scientific benefits of the practice and any other issues with regards to stream debris removal with the NC Land and Water Fund. Chairman Langdon added the

need to look at the ecological benefits of the practice, the species planted within the easement, the improvement of our environment, and the management of the easements.

V. Adjournment: Meeting adjourned at 11:41 a.m.

Vernon N. Cox, Director
Division of Soil & Water Conservation, Raleigh, N.C.

Helen Wiklund, Recording Secretary

These minutes were approved by the North Carolina Soil & Water Conservation Commission on , 2021.

Coronavirus Update: Eff. until 6/11/21

- Governor Cooper extends State of Emergency Declaration through July 30, 2021.
- Capacity restrictions and social distancing requirements should be lifted for all settings
- DSWC Operations
  - Returning to Office with Teleworking Option

Personnel

- **New Hires:**
  - Environmental Specialist/Nonpoint Source Planning Coordinator (Joey Hester) – Allie Dinwiddie

- **Vacancies:**
  - Envir. Specialist/Area Coordinator (Allie Dinwiddie) – Advertising
  - Soil Scientist (Allen Hayes Retirement) – Advertising
  - Engineer II (Tim Kennedy) – Effective 8/1/21
  - Envir. Program Supervisor III (Jeff Young) – Effective 10/1/21

Legislative Update

- Senate Budget:
- Engineer Positions (2)
- *$138M in Stream Debris funding…..*
- House Budget - Negotiations are ongoing
  - Continue to Seek Statewide Stream Repair Funding per NCASWCD Resolution….
  - CCAP Funding…

Teleconference Equipment for SWCDs

- Division purchased equipment to help districts upgrade their teleconferencing capabilities
- 92 counties requested equipment – nearly $42,000
  - 15 conference room phones
  - 23 cameras
  - 44 Video Displays
  - 69 conference room speakers
  - 18 LCD Projectors
  - 23 microphones
  - 32 HDMI Adapters

EWP Deliverables Agreement Training – Alexander Co.

- July 14 – 10 SWCD employees from 9 districts
- Next sessions tentatively planned:
  - August 31 – Virtual Classroom session
  - Sept. 1 – Field session – Fayetteville
  - Sept. 2 – Field session – Durham
- 46 partner employees now fully trained to provide deliverables under the agreement.

September Meeting

- Location: Macon County
- Work Session: Sept. 21st (6:00 p.m.)
- Business Meeting: Sept. 22nd (9:00 a.m.)
- Note Date Change…

Coronavirus Update: Eff. until 6/11/21

- Governor Cooper extends State of Emergency Declaration through July 30, 2021.
- Capacity restrictions and social distancing requirements should be lifted for all settings
- DSWC Operations
  - Returning to Office with Teleworking Option

Personnel

- **New Hires:**
  - Environmental Specialist/Nonpoint Source Planning Coordinator (Joey Hester) – Allie Dinwiddie

- **Vacancies:**
  - Envir. Specialist/Area Coordinator (Allie Dinwiddie) – Advertising
  - Soil Scientist (Allen Hayes Retirement) – Advertising
  - Engineer II (Tim Kennedy) – Effective 8/1/21
  - Envir. Program Supervisor III (Jeff Young) – Effective 10/1/21

Legislative Update

- Senate Budget:
- Engineer Positions (2)
- *$138M in Stream Debris funding…..*
- House Budget - Negotiations are ongoing
  - Continue to Seek Statewide Stream Repair Funding per NCASWCD Resolution….
  - CCAP Funding…

September Meeting

- Location: Macon County
- Work Session: Sept. 21st (6:00 p.m.)
- Business Meeting: Sept. 22nd (9:00 a.m.)
- Note Date Change…

Association Report to the Commission

July 21, 2021

2021 Legislative Actions

The NC General Assembly has been getting more active in budget talks over the past few weeks. We continue to monitor House Bill 431, which has funding for the creation of the Streamflow Rehabilitation program along with $1.5 million for CCAP. The Senate is looking at additional bills to address storm resiliency and it is our hope that this more state-wide program will be included in the final budget.

Association 2022 Annual Meeting

The Executive Committee discussed the format and location for the 2022 Annual meeting on June 22, during a called meeting. At the time of this report, the committee was actively analyzing factors needed to make a decision.

In addition, the Association had no recommendation for Area meeting formats and left the decision to the Areas.

State Fair Building

The Association has received word that the construction of the building on the State Fairgrounds for Soil and Water Conservation has been contracted. We are hopeful that it will be completed by this year's fair. Additionally, we have started conversation with the Hugh Hammond Bennett Soil and Water Society about memorial possibilities to honor Dr. Bennett at the building area.

Leadership Development

We are working with participants to see if face-to-face training can be delivered later this year. A decision will need to be made shortly to ensure resources can be obtained to deliver the program effectively.

National Executive Directors Conference

We will be hosting the 2021 National Executive Directors Conference in Asheville September 27-30. We are excited to highlight NC and the many projects we have ongoing. This is done in coordination with NACD and approximately 30 participants are anticipated.

Natural Resources Conservation Service (NRCS)

North Carolina - The Update

National Update

Terry Cosby Named NRCS Chief

Terry Cosby has been named Chief of the USDA Natural Resources Conservation Service. Chief Terry Cosby began his career with the agency in 1979 as a student trainee in Iowa. Terry's roots run deep. Raised on a cotton farm with his eight siblings in Tallahatchie County, Mississippi, his love for the land began at an early age. The farm, now in his family for three generations, was purchased by his great-grandfather in the late 1800s. Over Terry's 42 years with the agency, he has served in numerous capacities. He had been the State Conservationist for Ohio since 2005. Prior to serving as Ohio State Conservationist, he has served in leadership positions in Iowa as an Area Resource Conservationist, in Missouri as an Assistant State Conservationist for Field Operations and Idaho as a Deputy State Conservationist.

One of Terry's proudest achievements is the instrumental role he played in establishing the Ohio Interagency Forestry Team and in the formation of its governance model and business plan. Under his leadership, Ohio was the first state to use Environmental Quality Incentive Program funds for forestry practices. Today, he leads the NRCS Hiring Strategy initiative which will shape, guide and solidify NRCS as the premiere technical service agency for USDA conservation.

Terry and his wife Brenda are the proud parents of four wonderful children (one of whom was lovingly "adopted"). Today he continues to hunt and fish as much as possible and greatly enjoys spending time with his seven young grandchildren.

Beginning Farmer and Rancher Initiative

Through coordinated outreach, education, and program delivery United States Department of Agriculture (USDA) supports the next generation of America's farmers, ranchers, and foresters. A beginning farmer or rancher (BFR) is new to farming or ranching or has operated a farm or ranch for less than 10 years. According to the 2017 Census of Agriculture, 27% of farmers were categorized as new and beginning producers with 10 years or less of experience in agriculture.

In 2020, USDA named national and state-level BFR coordinators, part of an effort to institutionalize support for BFR and to build upon prior agency work and implement the 2018 Farm Bill. These state coordinators represent efforts by USDA's Farm Service Agency (FSA), Natural Resources Conservation Service (NRCS), Risk Management Agency (RMA), and Rural Development (RD) to support BFR.

Each state coordinator is trained and helps develop tailored beginning farmer outreach plans for their state. Coordinators help field employees better, reach, and serve beginning farmers and ranchers. They assist beginning farmers who need help navigating the variety of resources USDA has to offer by providing one-on-one technical assistance. The coordinators are listed at farmers.gov/manage/newfarmers/coordinators.

USDA offers a variety of farm loan, risk management, disaster assistance, and conservation programs to support agricultural producers. USDA offers BFR special provisions and resources, including:

- Targeted funding through farm loans
- Crop insurance benefits
- Conservation program benefits

For more information on the New and Beginning Farmer Program in North Carolina, contact Stuart Lee at Stuart.Lee@usda.gov.

State Update

EWP Floodplain Easement

After storm events in 2019, NRCS in NC extended opportunities to landowners for EWP Floodplain Easements. Floodplain easements restore, protect, maintain, and enhance the functions of the floodplain; conserve natural values including fish and wildlife habitat, water quality, flood water retention, ground water recharge, and open space; reduce long-term federal disaster assistance; and safeguard lives and property from floods, drought, and the products of erosion. Through EWP Floodplain Easements, landowners voluntarily offer to sell to NRCS an easement that provides NRCS with the full authority to restore and enhance the floodplain's functions and values. Floodplain easements are perpetual, and are held by the United States, through the Secretary of Agriculture. Removal of buildings is required and may be cost-shared. Removal of other structures or infrastructure as needed to ensure proper functioning of the floodplain is also required and may be cost-shared. NRCS may provide up to 100 percent of costs for purchase of the easement and restoration of the floodplain. NRCS has received 12 applications for EWP Floodplain Easements from Lenoir, Jones, Craven, Duplin, Columbus, and Cumberland counties, a total of 474.6 acres.

Watershed Rehabilitation Program

Across the state we have reached out to sponsors with aging PL-566 dam structures to encourage participation in the Watershed Rehabilitation Program. This program helps to address critical public health and safety concerns for these structures. The following describes active agreements in Fiscal Year 21:

- Two NC high hazard dam structures received Watershed Rehabilitation Program funding. This initial effort will develop two new dam assessments.
- Five NC dam structures also received funding for watershed rehabilitation plans and environmental documents necessary for the subsequent design phase.
- NRCS has $3.1 million federal funding in active locally led agreements. Congressional District #7 has no Watershed Rehabilitation Program activity.

Programs Update (as of June 16, 2021)

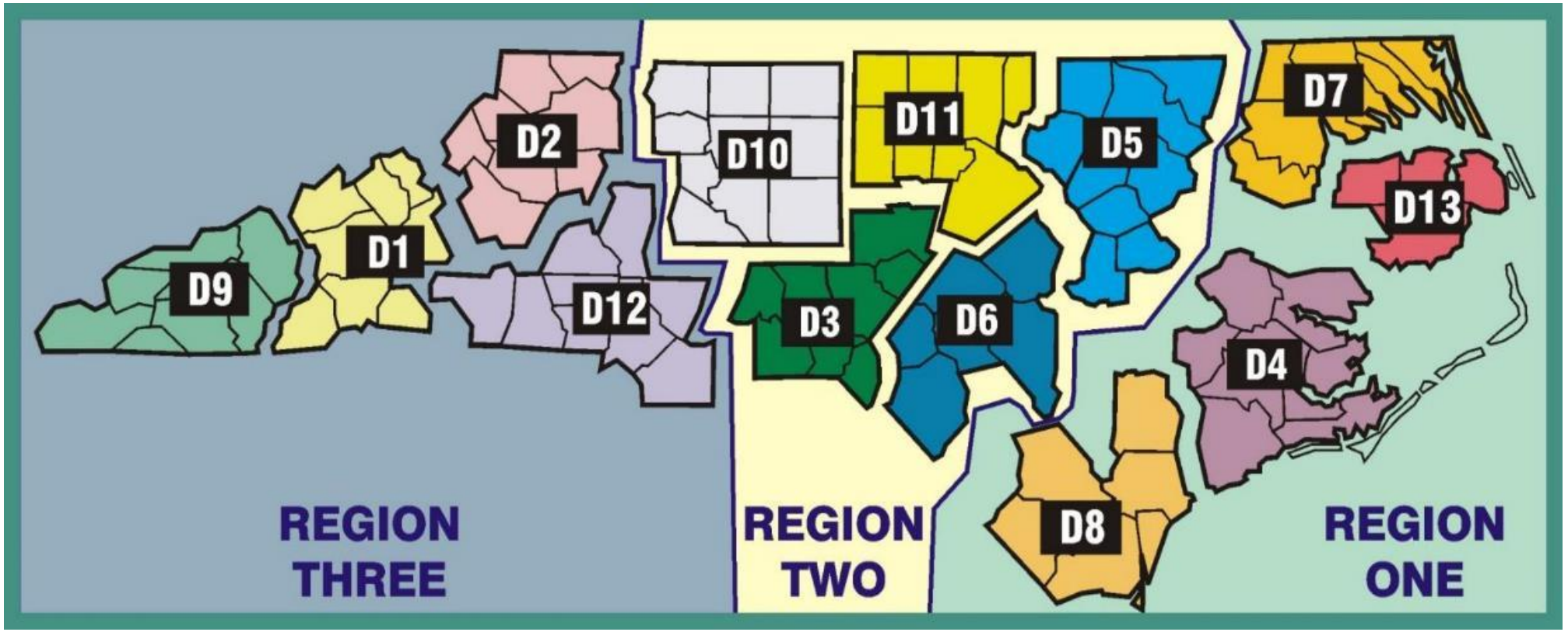
Program	Initial Allocation	Applications Received	Approved Contracts	Total Obligated	Obligated Acres	Notes
CSP Classic	$7,000,000	193				CSP Application Ranking July, 9, 2021
CSP Renewal	$1,400,000	38	30	$1,352.261	13,036	Obligation Deadline 2/26/2021
CSP GCI	$71,000	35	22	$34,825	396	Obligation Deadline 1/29/2021
EQIP	$19,403,465	2,303	290	$12,463,762	29,086	Received an additional $2.8 M. Total allocation $22,203,465

Contacts:
State Conservationist—Timothy A. Beard
(Tel) 919.873.2100
State Public Affairs—Stuart Lee
(Tel) 919.873.2107
(Email) Stuart.Lee@usda.gov

Stream Buffers for Forestry in NC

For the N.C. Soil & Water Conservation Commission, July 2021

Tom Gerow, Jr. (CESSWI, RF)
Water Resources Staff Forester
Water Resources Branch
Forest Management & Development Division
North Carolina Forest Service
State Headquarters - Raleigh



Part of NCDA&CS. An office to serve each County.

- *Consultation…Education…Prevention… before Regulation.*

Fire Control… Reforestation… Tree Seedlings… Forest Health Monitoring… Prescribed Burning… Forest Management Planning Services… Urban Forestry… Water Quality … Education… Forest Inventory… Emergency/Incident Response.

NCFS Organization

Site Inspections & Technical Assistance

- *Forest Practices Guidelines Related to Water Quality* = “FPGs”
- Statewide required performance standards
- Apply to any forestry-related, land disturbing work
- First enacted in 1990; re-adopted 2018

Develop BMPs & Evaluate Usage

Loan Portable Bridgemats to Loggers

Training, Education, Demonstrations

Web-Based Forest Pre-Harvest Planning Tool

Stream Restoration on State Forests

North Carolina FPGs.

Authorized by the N.C. Sedimentation Pollution Control Act.

02 NCAC 60C .0100 to .0209:

- .0201 – Streamside Management Zone (SMZ)
- .0202 – Prohibition Debris Entering Streams / Waterbodies
- .0203 – Access Road and Skid Trail Stream Crossings
- .0204 – Access Road Entrances
- .0205 – Prohibition Waste Entering Streams, Waterbodies and Groundwater
- .0206 – Pesticide Application
- .0207 – Fertilizer Application
- .0208 – Perennial Stream Temperature
- .0209 – Rehabilitation of Project Site

Note: FPGs only apply to "forestry-related" land-disturbing activities…

Harvest…

…Re-growth

"forestry-related"

Stream Buffers are Required…

Statewide FPGs

- Called a "*Streamside Management Zone*" (SMZ)
- Any intermittent stream
- Any perennial stream
- Any perennial waterbody

DWR-EMC Riverbasin & Watershed "State Riparian Buffer Rules"

- Catawba, Goose Creek, Randleman, Jordan, Neuse, Tar-Pamlico
- …in addition to SMZ requirements
- …"blueline" mapped features that are subject

Comparing Stream Buffer Requirements

FPG Requirements of SMZ

- No pre-determined width
- No mandated harvest limits
- Confine visible sediment
- Restrain accelerated erosion
- Maintain groundcover
- Maintain shade on perennial stream
- Not required on beaver ponds

DWR-EMC Riparian Buffer Rules

- Multi-zoned buffer, 50 feet wide*.
- Must meet eligibility to selectively harvest in Zone 1 of Buffer Rule (0 to 30 ft).

0-10:	Trees with roots in channel must remain. Only cut “high value” trees (diameter limits).
10-30:	One-half of # trees >5” DBH can be cut.
30-50:	All trees can be cut. Must allow for infiltration of runoff.

- Required on beaver impoundments.

**(Goose Creek buffer is either 100-ft. or 200-ft.)*

Both sets of rules must be in compliance, where it is applicable.

Adhering to the Forest Harvest Requirements of the DWR-EMC Riparian Buffer Rules ‘to-the-letter’ can result in a heavily thinned 30-feet stream buffer, with large trees remaining on the streambank.

Un-intended consequences?

What Does Research Say: Tree Blow-Down / Windthrow

- Occasional observations in some research studies, mostly in western / northern / Lake states
- Few (if any) targeted studies to assess this phenomenon.
- Many compounding factors believed to influence:
  - Soil type and soil saturation
  - Tree diameter and height
  - Amount of disturbance (harvest) in the stream buffer
  - Tree species
  - Steepness of stream valley
  - Landscape position / orientation

What Does Research Say: Tree Blow-Down / Windthrow

Study in NC piedmont

Two watersheds, both had windthrow.

Thinned SMZ/buffer had more windthrow.

Multiple tree species & locations.

Blow-down in all compass directions.

Site 1: 20% tree windthrow. Clay soil.
Average DBH = 12.6”

Site 2: 2% tree windthrow. Stony soil.
Average DBH = 9.5”

Study in GA coastal plain

Thinned SMZ had more windthrow.

Average DBH = 14”.

More frequent on saturated/wet soils.

More Yellow Poplar fell, as compared with Swamp Tupelo.

The study’s layout may have contributed to certain areas being more exposed to winds.

BMP Recommendations for SMZ

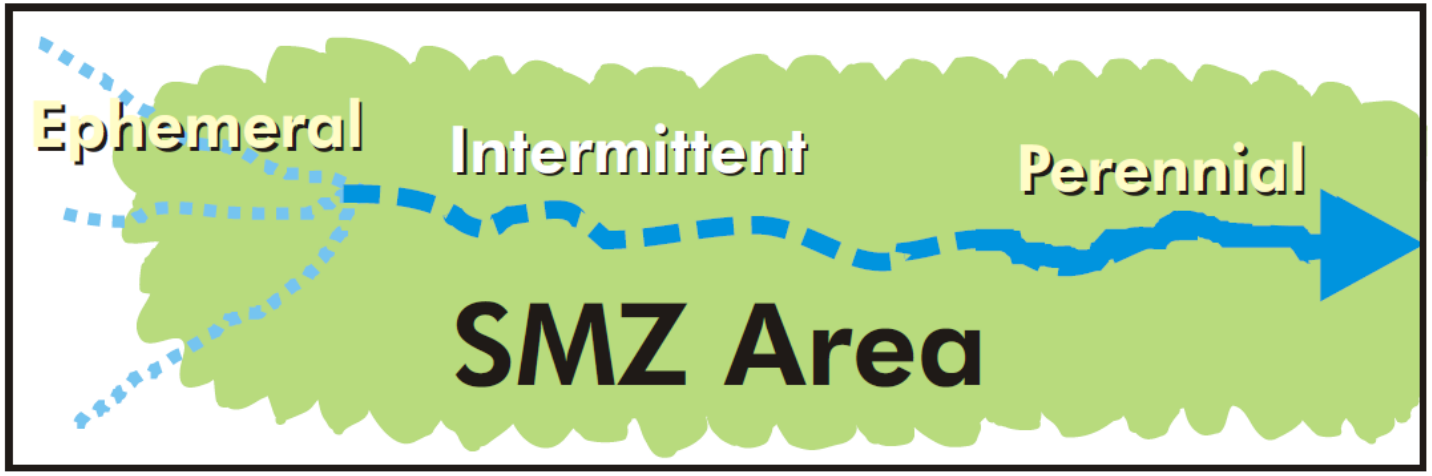


Table 4-1: Range of Options for SMZ Widths on Forestry Operations in North Carolina

	Objective of SMZ	Range of Suggested Widths (feet)	Factors to Consider in Selecting SMZ Width
The range of options for SMZ widths is adapted and summarized from various publications and/or reports that are cited in Appendix 12.	Sediment Control	30 to 150	Slope, Soils, Groundcover, Sediment Load, Waterbody Use
	Nutrient Management	15 to 200	Hydrology, Vegetation, Soils, Nutrient Load
	Streambank Stabilization	25 to 55	Vegetation, Soils, Streamflow
	Wildlife and Aquatic Organisms	25 to 300	Specific to each Species

Examples of NC's (Current) <u>Forestry BMPs for SMZs:</u>

- **50 feet, or use table of widths.**
- **Expose no more than 20% bare soil in the SMZ.**
- **Retain approximately one-half of existing canopy cover.**
- **Avoid gouging the soil when harvesting timber.**
- **Wrap the SMZ around stream head, into Ephemeral area.**

Ongoing BMP Update / Revision…

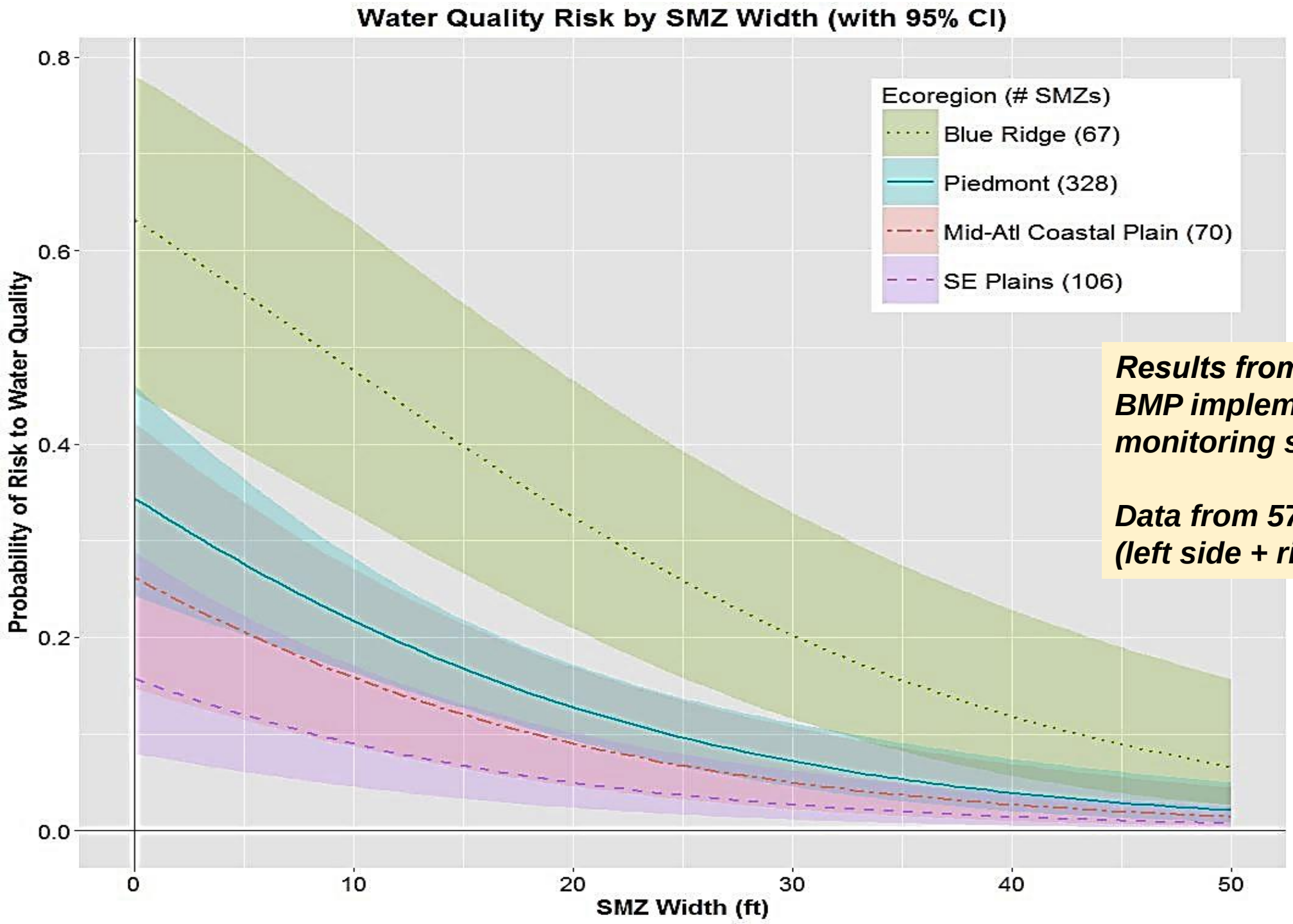
- ✓ Strive for simplicity, ease of implementation.
- ✓ Lessons-learned from studies and observation.
- ✓ Adapt to address emerging issues:
  - (mountains) Loss of hemlocks along stream corridors
  - (piedmont/coast) More aquatic T&E species listed (4d-Rules)
  - (coast) Storm blow-down, waterway obstruction concerns
  - (coast) Concerns related to algae blooms
  - (statewide) Owner desire to maximize timber revenue
  - (statewide) Resiliency from climate-related effects
  - (statewide) Shifting tree species mix in riparian areas
  - (statewide) Need to manage invasive plants

Ongoing BMP Update / Revision…

Some Notable Proposed Revisions to BMP Recommendations for SMZs:

- Standardize 50-feet statewide. Adjust wider or narrower, based on site factors and owner's goals.
- Eliminate the table of widths.
- Minimum width 20 feet.
- Consider leaving SMZ un-disturbed.
- If timber is harvested in SMZ: Limit removals to no-more-than 50% of basal area.
- Exceptions for >50% harvest: salvage damaged timber, control invasives, promote tree diversity.
- Keep equipment\machines at least 10 feet from edge of stream.
- Consider other objectives in addition to water quality (windscreen, habitat, seed-trees, etc.)

NOTE: There will be more BMPs recommended, but these are the most notable changes being proposed.



Results from NC's 2012-2016 BMP implementation monitoring site survey exams.

Data from 571 SMZ segments (left side + right side)

Traditional SMZ with selective harvesting (next slide).

Not in a Buffer Rule watershed.

Traditional SMZ with selective harvesting (same as previous slide).

Not in a Buffer Rule watershed.

Buffer Rule violations,
…with FPGs in-compliance
(both are intermittent streams)

ATTACHMENT 6

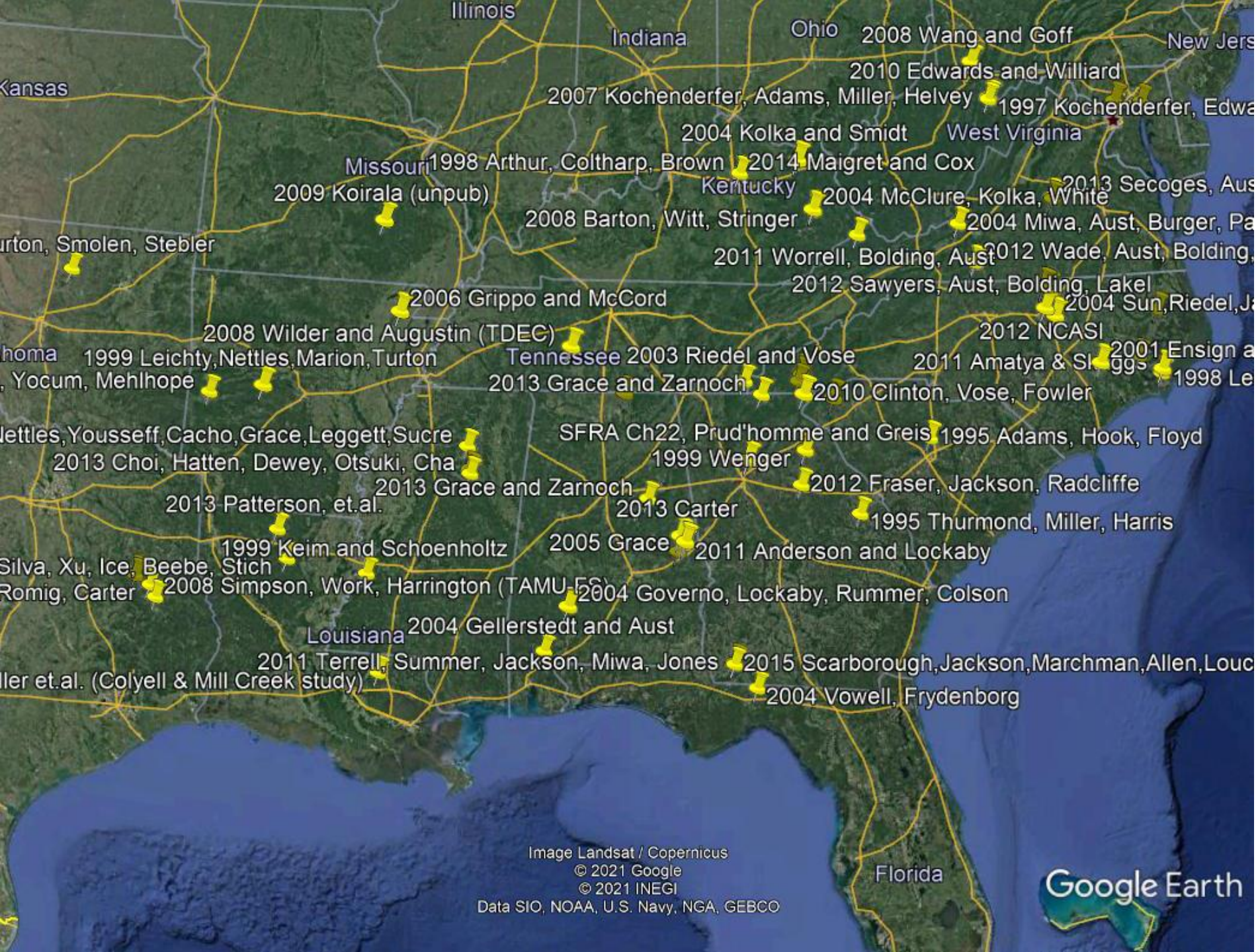
Violation of Buffer Rule and FPGs (clearcut perennial stream)

Good SMZ, mostly left un-disturbed.

Not in a Buffer Rule watershed.

Buffer Rule and SMZ.

One of our paired watershed study sites.



Some forestry BMP and SMZ research studies in the South.

got to be NC FOREST PRODUCTS

Goodness Grows In NC

www.ncforestservice.gov

Programs & Services >> Water Quality

- *Quarterly BMP Newsletter*
- *BMP Manual & Field Guide*
- *Summary of Water Quality Regulations*
- *Forestry Leaflets….and lots more!*

Tom Gerow, Jr. CESSWI, RF

Water Resources Staff Forester, N.C. Forest Service

Office: 919-857-4824. Email: tom.a.gerow <at> ncagr.gov

ATTACHMENT 7B

NC Cost Share Programs Supervisor Contracts
Soil and Water Conservation Commission

County	Contract Number	Supervisor Name	BMP	Contract Amount	Comments
Beaufort	07-2021-804	Archie Griffin	Irrigation Well	$ 5,513	
Iredell	49-2021-007	Tracy Jenkins	Grassed Waterways	$ 10,403	
Jones	52-2021-303	William M. Haddock	Non-field Farm Road Repair	$ 2,560	Culvert damaged from hurricane in September 2018. This is a supplement to 52-2020-311 as scope of work increased.
Lincoln	55-2021-825	Leonard Keever	Water Supply Well	$ 18,216	The original contract was approved by the SWCC for $8,983 on 1/21/21. Due to increased depth for well the cost share amount was revised.

Total Number of Supervisor Contracts: 4

Total $36,692

ATTACHMENT 7B

cNCDA&CS
DSWC

NC -CSPs-1B
(11/2012)

ADDENDUM TO APPLICATION FOR ASSISTANCE
NORTH CAROLINA COMMISSION COST SHARE PROGRAMS

As a Soil and Water District Supervisor, for the _____Beaufort_____Soil and Water Conservation District, I have applied for, or stand to benefit* from, a contract under a commission cost share program. I did not vote on the approval or denial of the application or attempt to influence the outcome of any action on the application. The proposed contract is for the installation of the following best management practices.

Program: AgWRAP

Best management practice: Irrigation Well

Contract number: 07-2021-804 Contract amount: $5,513

Score on priority ranking sheet: 65

Cost Share Rate : 75% If different than 75%, please list % percent:
Reason:

Relative rank (e.g., ranked 8th out of 12 projects considered):3rd out of 3

Were any higher or equally ranked contracts denied? No

If yes, give an explanation as to why the supervisor's contract was approved over the other contracts:

Supervisor name: Archie Griffin

_____ 4/21/21
(District Supervisor's signature) Date

Approved by: James Allen

_____ 5-17-21
(District Chairperson's signature) Date

The Soil & Water Commission has approved the subject application for a contract.

_____ _____
(SWCC Chairperson's signature) Date
(Pursuant G.S. 139-8(b)(2))

*Beneficiaries include but are not limited to applicant, landowner, and/or business partners.

NCDA&CS
DSWC

ATTACHMENT 7B
NC -CSPs-1B
(11/2012)

ADDENDUM TO APPLICATION FOR ASSISTANCE
NORTH CAROLINA COMMISSION COST SHARE PROGRAMS

As a Soil and Water District Supervisor, for the ____Iredell_____Soil and Water Conservation District, I have applied for, or stand to benefit* from, a contract under a commission cost share program. I did not vote on the approval or denial of the application or attempt to influence the outcome of any action on the application. The proposed contract is for the installation of the following best management practices.

Program: NCACSP

Best management practice:Grassed Waterways

Contract number:49-2021-007 Contract amount: $10,403

Score on priority ranking sheet: 90

Cost Share Rate : 65% If different than 75%, please list % percent:
Reason: All cooperators in the Iredell District have a flat 65% cost share rate

Relative rank (e.g., ranked 8th out of 12 projects considered): 1 of 1

Were any higher or equally ranked contracts denied? No

If yes, give an explanation as to why the supervisor's contract was approved over the other contracts:

Supervisor name: Tracy Jenkins
Westward Farms LLC

(District Supervisor's signature) Date 6-8-21

Approved by:

(District Chairperson's signature) Date 6-8-2021

The Soil & Water Commission has approved the subject application for a contract.

(SWCC Chairperson's signature) Date
(Pursuant G.S. 139-8(b)(2))

*Beneficiaries include but are not limited to applicant, landowner, and/or business partners.

ATTACHMENT 7B

NCDA&CS
DSWC

NC -CSPs-1B
(11/2012)

ADDENDUM TO APPLICATION FOR ASSISTANCE NORTH CAROLINA COMMISSION COST SHARE PROGRAMS

As a Soil and Water District Supervisor, for the **JONES** Soil and Water Conservation District, I have applied for, or stand to benefit* from, a contract under a commission cost share program. I did not vote on the approval or denial of the application or attempt to influence the outcome of any action on the application. The proposed contract is for the installation of the following best management practices.

Program: **Hurricane Florence Disaster Response - FFR**

Best management practice: **Non-Field Farm Road Repair**

Contract number: **52-2021-303** Contract amount: **$2,560.00**

Score on priority ranking sheet: **90**

Cost Share Rate **: 75 %** If different than 75%, please list % percent: **N/A**
Reason: **N/A**

Relative rank (e.g., ranked 8th out of 12 projects considered): **All disaster contracts ranked and approved thus far.**

Were any higher or equally ranked contracts denied? **No**

If yes, give an explanation as to why the supervisor's contract was approved over the other contracts: **N/A**

Supervisor name: William Haddock

William M Haddock
(District Supervisor's signature)

5-28-21
Date

Approved by:

Samuel D Davis
(District Chairperson's signature)

5-20-21
Date

The Soil & Water Commission has approved the subject application for a contract.

(SWCC Chairperson's signature)
(Pursuant G.S. 139-8(b)(2))

Date

*Beneficiaries include but are not limited to applicant, landowner, and/or business partners.

ATTACHMENT 7B

NCDA&CS
DSWC

NC -CSPs-1B
(11/2012)

ADDENDUM TO APPLICATION FOR ASSISTANCE
NORTH CAROLINA COMMISSION COST SHARE PROGRAMS

As a Soil and Water District Supervisor, for the **Lincoln County** Soil and Water Conservation District, I have applied for, or stand to benefit* from, a contract under a commission cost share program. I did not vote on the approval or denial of the application or attempt to influence the outcome of any action on the application. The proposed contract is for the installation of the following best management practices.

Program: **AgWRAP**

Best management practice: **Agricultural Well**

Contract number: **55-2021-825** Contract amount: **$18,216**

Score on priority ranking sheet: **115**

Cost Share Rate: **90%** If different than 75%, please list % percent:
Reason: **Enhanced Voluntary Agricultural District**

Relative rank (e.g., ranked 8th out of 12 projects considered): **1 of 9**

Were any higher or equally ranked contracts denied? **No**

If yes, give an explanation as to why the supervisor's contract was approved over the other contracts:

Supervisor name: **Leonard Keever**

Leonard Keever
(District Supervisor's signature)

6/22/21
Date

Approved by: **Thomas Houser**

Tommy Houser
(District Chairperson's signature)

6-22-21
Date

The Soil & Water Commission has approved the subject application for a contract.

(SWCC Chairperson's signature)
(Pursuant G.S. 139-8(b)(2))

Date

*Beneficiaries include but are not limited to applicant, landowner, and/or business partners.

ATTACHMENT 7C

Technical Specialist Designation Recommendations

July 21, 2021

1. The Soil and Water Conservation Commission has authority to designate water quality technical specialists based upon specific criteria and procedures (02 NCAC 59G). This authority extends to individuals who have been assigned approval authority by USDA NRCS, professional engineers subject to the "The NC Engineering and Land Surveying Act", or individuals that have completed the training requirements and demonstrated proficiency in a technical specialist category. Individuals must submit an application with evidence of expertise, skills and training required for each designation category.

   Mr. Anthony Growe, Richmond County Field Crops, Livestock Extension Agent, has requested to be designated technical specialist for the Waste Utilization Planning/ Nutrient Management (WUP/NM) category. He has successfully completed the required training and technical proficiency has been verified by DSWC staff. Therefore, I recommend this designation for approval.

   Ms. Lauren Green, NCSU Cooperative Extension Area Specialized Agent, Poultry, has requested to be designated technical specialist for the Waste Utilization Planning/ Nutrient Management (WUP/NM) category. She has successfully completed the required training and technical proficiency has been verified by DSWC staff. Therefore, I recommend this designation for approval.

   Mr. Jeb Smith, Duplin County SWCD Soil Conservation Tech, has requested to be designated technical specialist for the Waste Utilization Planning/ Nutrient Management (WUP/NM) category. He has successfully completed the required training and technical proficiency has been verified by DSWC staff. Therefore, I recommend this designation for approval.

	JAA APPLICANTS FOR CONSIDERATION AT THE JULY 21, 2021 NC SWCC MEETING				
			TYPE OF JAA	APPLICATION	
	APPLICANT NAME	EMPLOYER	REQUESTED	DATE	JAA RECOMMENDED FOR APPROVAL
1	Andrew Cox	New River SWCD	Comparable NRCS JAA	5/4/2021	1. 327-Conservation Cover 2. 327-ATR-Abandoned Tree Removal 3. 329-Long Term No-till 4. 329-CTS-3-Year Conservation Tillage System 5. 340-Cover Crops 6. 340-CRM-Crop Residue Management 7. 340-NSCC-Nutrient Scavenger Cover Crop 8. 342-Critical Area Planting 9. 382-Livestock Exclusion Fence 10. 386-Field Border 11. 390-Riparian Buffer 12. 393-Filter Strip 13. 412-Grassed Waterway 14. 412-GS-CC-Grassed Swale 15. 512-Cropland Conversion 16. 512-PR-Pasture Renovation 17. 528-Prescribed Grazing 18. 558-Rooftop Runoff Management System 19. 558-SWM-Storm Water Management 20. 560-Agricultural Road Repair/Stabilization 21. 561-Heavy Use Area Protection 22. 561-ASAA-All-Season Agricultural Access 23. 574-Spring Development 24. 574-BI-AW-Baseflow Interceptor 25. 575-Stock Trail and Walkway 26. 578-Stream Crossing 27. 590-Nutrient Management 28. 590-PNM-Precision Nutrient Management 29. 590-PAA-Precision Agrichemical Application
					30. 590-CNSM-Concentrated Nutrient Source Management System 31. 595-Insect Control System 32. 612-Pastureland Conversion 33. 614-Trough or Tank 34. 642-Water Supply Well 35. 642-SPW-Stream Protection Well

	JAA APPLICANTS FOR CONSIDERATION AT THE JULY 21, 2021 NC SWCC MEETING				
			TYPE OF JAA	APPLICATION	
	APPLICANT NAME	EMPLOYER	REQUESTED	DATE	JAA RECOMMENDED FOR APPROVAL
2	Lucas Baxley	Robeson SWCD	Comparable NRCS JAA	5/4/2021	1. 328-Sod-based Rotation 2. 329-Long Term No-till 3. 329-CTS-3-Year Conservation Tillage System 4. 340-Cover Crops 5. 340-CRM-Crop Residue Management 6. 340-NSCC-Nutrient Scavenger Cover Crop 7. 642-Water Supply Well 8. 642-SPW-Stream Protection Well
3	John B. (J.B.) Reeves	Cherokee SWCD	Comparable NRCS JAA	5/11/2021	1. 327-Conservation Cover 2. 327-ATR-Abandoned Tree Removal 3. 342-Critical Area Planting 4. 382-Livestock Exclusion Fence 5. 466-Land Smoothing 6. 512-Cropland Conversion 7. 512-PR-Pasture Renovation 8. 528-Prescribed Grazing 9. 560-Agricultural Road Repair/Stabilization 10. 561-Heavy Use Area Protection 11. 561-ASAA-All-Season Agricultural Access 12. 574-Spring Development 13. 574-BI-AW-Baseflow Interceptor 14. 578-Stream Crossing 15. 614-Trough or Tank 16. 642-Water Supply Well 17. 642-SPW-Stream Protection Well

	JAA APPLICANTS FOR CONSIDERATION AT THE JULY 21, 2021 NC SWCC MEETING				
			TYPE OF JAA	APPLICATION	
	APPLICANT NAME	EMPLOYER	REQUESTED	DATE	JAA RECOMMENDED FOR APPROVAL
4	Mitchell Miller	Cumberland SWCD	Comparable NRCS JAA	5/14/2021	1. 316-Livestock Mortality Managment System (Incinerator) 2. 328-Sod-based Rotation 3. 329-Long Term No-till 4. 329-CTS-3-Year Conservation Tillage System 5. 340-Cover Crops 6. 340-CRM-Crop Residue Management 7. 340-NSCC-Nutrient Scavenger Cover Crop 8. 342-Critical Area Planting 9. 512-Cropland Conversion 10. 512-PR-Pasture Renovation 11. 560-Agricultural Road Repair/Stabilization 12. 561-Heavy Use Area Protection 13. 561-ASAA-All-Season Agricultural Access 14. 578-Stream Crossing 15. 590-Nutrient Management 16. 590-PNM-Precision Nutrient Management 17. 590-PAA-Precision Agrichemical Application 18. 612-Pastureland Conversion 19. 614-Trough or Tank
5	Josh Parker	Pitt SWCD	Design Submittal	5/27/2021	1. 328-Sod-based Rotation 2. 342-Critical Area Planting
6	Creeden Kowal	Swain SWCD	Comparable NRCS JAA	6/18/2021	1. 382-Livestock Exclusion Fence 2. 512-Cropland Conversion 3. 512-PR-Pasture Renovation
7	Stephen Bishop	Cleveland SWCD	Comparable NRCS JAA	6/23/2021	1. 327-Conservation Cover 2. 327-ATR-Abandoned Tree Removal 3. 382-Livestock Exclusion Fence 4. 528-Prescribed Grazing 5. 561-Heavy Use Area Protection 6. 561-ASAA-All-Season Agricultural Access 7. 614-Trough or Tank 8. 642-Water Supply Well 9. 642-SPW-Stream Protection Well 10. Water Needs Assessment 11. Pond Site Assessment

GRASSED WATERWAY

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
412	Grassed Waterway	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to assess methods for conveying runoff from terraces, diversions, or other water concentrations without causing erosion or flooding. 3. Development of related computations and analyses to develop plans and specifications including but not limited to hydrology/hydraulics, vegetation, seedbed preparation, soil amendments, environmental considerations, and outlet capacity and stability. 4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 5. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 6. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

LAND SMOOTHING

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
466	Land Smoothing	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of water budget, especially on volumes and rates of runoff, infiltration, and evaporation. 6. Knowledge of wetland hydrology and/or wetland wildlife habitat. 7. Compliance with NRCS national and state utility safety policy (NEM part 503-Safety, Section 503.00 through 503.22).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

ROCK-LINED WATERWAY OR OUTLET

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
468	Rock-lined Waterway or Outlet	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to assess methods for safely conveying runoff from conservation structures or other water concentrations without causing erosion or flooding. 3. Development of related computations and analyses to develop plans and specifications including but not limited to hydrology/hydraulics, liner types, environmental considerations, and outlet capacity and stability. 4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 5. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 6. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

SUBSURFACE DRAIN TILE

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
606	Subsurface Drain Tile	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Knowledge of the effects of drainage systems on runoff volume, seepage, and the availability of soil water needed for plant growth. 3. Development of related computations and analyses to develop plans and specifications including but not limited to capacity, hydraulics and materials. 4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 5. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 6. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

Agriculture Cost Share Program

NC Soil and Water Conservation Commission Meeting

July 21, 2021

9. Agriculture Cost Share Program

- **Overview**
  1. Introduce and provide updates on items:
     - 9. A. Detailed Implementation Plan
     - 9. B. Average Cost List
     - 9. C. District Financial Assistance Allocation
  2. After each section I will request that you take action to approve that item.

9. A. Detailed Implementation Plan

- Added Technical Assistance section
- Revised Table 2.
  - Added – Residue and Tillage Management
  - Updated – Sod-Based Rotation
  - Removed:

3-Year Conservation Tillage System
Crop Residue Management
Long Term No-till
Nutrient Scavenger Cover Crop

9. A. Detailed Implementation Plan

- Added BMP Technical Competency section

9. Agriculture Cost Share Program

- Please TAKE ACTION to approve the following items:
  - 9. A. Detailed Implementation Plan

9. B. Average Cost List

1. Formatting change - combine repetitive area costs
2. Addition of Cover Crops, Residue and Tillage Management, and Sod Based Rotation
3. Change Microirrigation and Well costs to be consistent with AgWRAP

9. B. Average Cost List

4. Increase the average cost of all components in the average cost list by **9.8%** based on the Producer Price Index for All Commodities.
    - Cost adjustments would only impact the cost share for components in NEW contracts.
    - Prior year contracts would not be eligible for additional funding to cover increases in average cost.

Cost Share Rate Increase

- Increases will not impact maximum cost share amounts (caps).
- Excludes –
  - Cover Crops
  - Residue and Tillage Management
  - Sod-Based Rotation
  - Well and Pump components
- Average costs will be re-analyzed for FY 2023

9. Agriculture Cost Share Program

- Please TAKE ACTION to approve the following items:
  - 9. B. Average Cost List

9. C. District Financial Assistance Allocation

- FY 2022 Strategic Plan – ACSP Requests
  - 100 counties requested - **$15,968,348** regular cost share funds (CS)
  - 52 counties requested - **$2,509,175** for Impaired and Impacted streams initiative (II)

9. C. District Financial Assistance Allocation

SOURCE	AMOUNT
2022 Appropriation	$ 4,016,998
Rollover from cancelations, releases and unencumbered funds (FY 2015 – 2021)	$ 1,033,242
TOTAL AVAILABLE FUNDS	$ 5,050,240
5% Contingency Reserve	$ 200,850
Total Allocated FY 2022	**$ 4,849,390**

9. C. District Financial Assistance Allocation

- TOTAL ALLOCATED FY 2022 = **$4,849,390**
  - REGULAR ACSP (CS) Total = **$4,249,390**
  - IMPAIRED/IMPACTED (II) Total = **$500,000**
  - CREP (CE) Total = **$100,000**

9. C. District Financial Assistance Allocation

- CS allocations made to all districts requesting funds
- II funds allocated to all counties requesting funds with a current impaired/impacted survey
- Funds allocated using the allocation parameters described in rule 02 NCAC 59D .0103
- $20,000 Minimum allocation (unless requesting less)

9. Agriculture Cost Share Program

- Please TAKE ACTION to approve the following item:
  - 9. C. District Financial Assistance Allocation

FY 2021 Cost Share Program Accomplishments

1,021 Contracts

$7,821,882 Encumbered

FY 2021 Cost Share Program Accomplishments

PROGRAM	CONTRACTS	FUNDS ENCUMBERED
ACSP	756	$ 5,344,557
AgWRAP	181	$ 1,407,133
CCAP	22	$ 277,625
CREP	8	$ 30,338
DISASTER	54	$ 762,229

FY 2021 - Top 5 Counties - CONTRACTS CREATED

RANK	COUNTY	Contracts
1	DUPLIN	49
2	JOHNSTON	35
3	ROBESON	30
4	SAMPSON	27
5	LEE	23

FY 2021 - Top 5 Counties - FUNDS ENCUMBERED

RANK	COUNTY	FUNDS ENCUMBERED
1	CUMBERLAND	$ 343,783
2	DUPLIN	$ 297,348
3	SAMPSON	$ 195,378
4	LINCOLN	$ 195,060
5	GUILFORD	$ 187,814

FY 2021 Cost Share Program Accomplishments

1,050 Requests for Payment

$6,283,846 Paid out

FY 2021 Cost Share Program Accomplishments

- **41,523** Acres Affected
- **61,479** Tons of Soil Saved
- **890,722** Pounds of N Saved
- **653,034** Pounds of P Saved
- **162,561,798** Gallons of Ag Water Increased

ATTACHMENT 9

ACSP

Agriculture Cost Share Program

NC Soil and Water Conservation Commission Meeting

July 21, 2021

1

9. Agriculture Cost Share Program

- **Overview**
  1. Introduce and provide updates on items:
     - 9. A. Detailed Implementation Plan
     - 9. B. Average Cost List
     - 9. C. District Financial Assistance Allocation
  2. After each section I will request that you take action to approve that item.

2

ATTACHMENT 9

9. A. Detailed Implementation Plan

- Added Technical Assistance section
- Revised Table 2.
  - Added – Residue and Tillage Management
  - Updated – Sod-Based Rotation
  - Removed:

3-Year Conservation Tillage System
Crop Residue Management
Long Term No-till
Nutrient Scavenger Cover Crop

3

9. A. Detailed Implementation Plan

- Added BMP Technical Competency section

4

ATTACHMENT 9

9. Agriculture Cost Share Program

- Please TAKE ACTION to approve the following items:
  - 9. A. Detailed Implementation Plan

5

9. B. Average Cost List

1. Formatting change - combine repetitive area costs
2. Addition of Cover Crops, Residue and Tillage Management, and Sod Based Rotation
3. Change Microirrigation and Well costs to be consistent with AgWRAP
4. Cost adjustments based on Producer Price Indexes

6

ATTACHMENT 9

1. Consolidate Repetitive Area Unit Costs

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share	Maximum Cost Share	Cost Type
PIPE FITTING-Corrugated Polyethylene 10"	Each	$ 20.63	$ 20.63	$ 20.63	$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 12"	Each	$ 26.02	$ 26.02	$ 26.02	$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 15"	Each	$ 43.34	$ 43.34	$ 43.34	$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 18"	Each	$ 87.09	$ 87.09	$ 87.09	$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 4"	Each	$ 3.25	$ 3.25	$ 3.25	$ -	$ -	Average
PIPE-Polyvinyl Chloride 10"	LinFt	$ 14.19	$ 14.19	$ 14.19	$ -	$ -	Average
PIPE-Polyvinyl Chloride 12"	LinFt	$ 18.92	$ 18.92	$ 18.92	$ -	$ -	Average
PIPE-Polyvinyl Chloride 2"	LinFt	$ 2.31	$ 2.31	$ 2.31	$ -	$ -	Average
PIPE-Polyvinyl Chloride 3"	LinFt	$ 2.42	$ 2.42	$ 2.42	$ -	$ -	Average
PIPE-Polyvinyl Chloride 4"	LinFt	$ 3.55	$ 3.55	$ 3.55	$ -	$ -	Average
PIPE-Polyvinyl Chloride 6"	LinFt	$ 5.44	$ 5.44	$ 5.44	$ -	$ -	Average
PIPE-Polyvinyl Chloride 8"	LinFt	$ 9.46	$ 9.46	$ 9.46	$ -	$ -	Average
PIPE-Polyvinyl Chloride, quick coupling 3/4"-1"	Each	$ 18.92	$ 18.92	$ 18.92	$ -	$ -	Average

7

1. Consolidate Repetitive Area Unit Costs

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share	Maximum Cost Share	Cost Type
PIPE FITTING-Corrugated Polyethylene 10"	Each	$20.63			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 12"	Each	$26.02			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 15"	Each	$43.34			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 18"	Each	$87.09			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 4"	Each	$3.25			$ -	$ -	Average
PIPE-Polyvinyl Chloride 10"	LinFt	$14.19			$ -	$ -	Average
PIPE-Polyvinyl Chloride 12"	LinFt	$18.92			$ -	$ -	Average
PIPE-Polyvinyl Chloride 2"	LinFt	$2.31			$ -	$ -	Average
PIPE-Polyvinyl Chloride 3"	LinFt	$2.42			$ -	$ -	Average
PIPE-Polyvinyl Chloride 4"	LinFt	$3.55			$ -	$ -	Average
PIPE-Polyvinyl Chloride 6"	LinFt	$5.44			$ -	$ -	Average
PIPE-Polyvinyl Chloride 8"	LinFt	$9.46			$ -	$ -	Average
PIPE-Polyvinyl Chloride, quick coupling 3/4"-1"	Each	$18.92			$ -	$ -	Average

8

2. Remove Incentives, Add New BMPS

Incentives

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share	Maximum Cost Share	Cost Type
~~INCENTIVE - Crop Residue Management~~	~~Acre~~	~~$15.00~~			~~$ 15,000.00~~	~~$ 15,000.00~~	~~Flat Rate~~
~~INCENTIVE - Cover Crop~~	~~Acre~~	~~$40.00~~			~~$ 15,000.00~~	~~$ 15,000.00~~	~~Flat Rate~~
INCENTIVE - Maure/Litter Transport <= 20 mi.	Ton/CuYd	$4 / $2			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Maure/Litter Transport >= 50 mi.	Ton/CuYd	$8 / $4			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Maure/Litter Transport 20-50 mi.	Ton/CuYd	$6 / $3			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Nutrient Management 3yrs	Acre/Year	$6.00			$ -	$ -	Flat Rate
INCENTIVE - Precision Nutrient Management	Acre/Year	$15.00			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Prescribed Grazing	Acre/Year	$30.00			$ 15,000.00	$ 15,000.00	Flat Rate
~~INCENTIVE-3-yr con-till, grain/cotton~~	~~Acre~~	~~60~~	~~60~~	~~60~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE-3-yr con-till, peanuts/vegetables~~	~~Acre~~	~~250~~	~~250~~	~~250~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE-3-yr con-till, sweet corn~~	~~Acre~~	~~125~~	~~125~~	~~125~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE-3-yr con-till, tobacco~~	~~Acre~~	~~500~~	~~500~~	~~500~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE-Nutrient Scavenger Crop - Rye/Tr~~	~~Acre~~	~~25~~	~~25~~	~~25~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE-Nutrient Scavenger Crop - Wheat~~	~~Acre~~	~~20~~	~~20~~	~~20~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE-Nutrient Scavenger Crop -Oats/B~~	~~Acre~~	~~20~~	~~20~~	~~20~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE-residue mgt, Long-Term no-till~~	~~Acre~~	~~150~~	~~150~~	~~150~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE-SBR, 17 mo/1yr~~	~~Acre~~	~~75~~	~~75~~	~~75~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE-SBR, 29 mo/1yr~~	~~Acre~~	~~130~~	~~130~~	~~130~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE-SBR, 41 mo/5yr~~	~~Acre~~	~~175~~	~~175~~	~~175~~	~~25000~~	~~25000~~	~~Flat Rate~~

9

2. Remove Incentives, Add New BMPS

Establishment of Vegetation, Pasture Renovation and Cropland Conversion (Grass)

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share	Maximum Cost Share	Cost Type
COVER CROP	Acre	$50.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 1 - 60% Residue	Acre	$20.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 2 - 80% Residue	Acre	$40.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 3 - Conventional 60% Residue	Acre	$110.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 4 - Conventional 80% Residue	Acre	$140.00			$ -	$ -	Average
SOD-BASED ROTATION - Tier 1 - 3 yr/17 mos	Acre	$100.00			$ -	$ -	Average
SOD-BASED ROTATION - Tier 2 - 4 yr/29 mos	Acre	$173.00			$ -	$ -	Average
SOD-BASED ROTATION - tier 3 - 5 yr/41 mos	Acre	$233.00			$ -	$ -	Average

10

ATTACHMENT 9

3. MICROIRRIGATION SYSTEM Cost Share

~~MICROIRRIGATION - Drip Tape - Prssure Compensating~~	~~Acre~~	~~$243.60~~			~~$25,000.00~~	~~$30,000.00~~	~~Average~~
~~MICROIRRIGATION - Poly Tubing w/ Emitters~~	~~Acre~~	~~$840.00~~			~~$25,000.00~~	~~$30,000.00~~	~~Average~~
~~MICROIRRIGATION - Poly Tubing w/ Microhoses~~	~~Acre~~	~~$1,474.20~~			~~$25,000.00~~	~~$30,000.00~~	~~Average~~
~~MICROIRRIGATION - Micro Pump and Filter~~	~~Each~~	~~$ 8,118.75~~	~~$ 8,118.75~~	~~$ 8,818.75~~	~~$25,000.00~~	~~$30,000.00~~	~~Average~~
MICROIRRIGATION SYSTEM	Job	Cost Share percent of actual amount not to exceed			$25,000.00	$30,000.00	Actual

11

3. WELL and PUMP Cost Adjustments – STREAM PROTECTION WELL

PUMP-housing, fiberglass/site built	Each	$350.00	$ -	$ -	Average
PUMP-solar powered water	Each	Cost Share percent of actual amount not to exceed	$ 5,000.00	$ 6,000.00	Actual
~~PUMP-water supply~~	~~Each~~	~~Cost Share percent of actual amount not to exceed~~	~~$ 2,000.00~~	~~$ 2,400.00~~	~~Actual~~
PUMP-water supply	Each	Cost Share percent of actual amount not to exceed	$ 3,700.00	$ 4,440.00	Actual
Spring Header Casing	Each	$220.00	$ -	$ -	Average
STOCK TRAIL-existing, excavate/grade	LinFt	$1.10	$ -	$ -	Average
STOCK TRAIL-new, excavate/grade	LinFt	$2.20	$ -	$ -	Average
STREAM CROSS-ford, ex 80-120 cuft	Job	$1,100.00	$ -	$ -	Average
STREAM CROSS-ford, ex<80 cuft	Job	$880.00	$ -	$ -	Average
STREAM CROSS-ford, ex>120 cuft	Job	$1,320.00	$ -	$ -	Average
~~STREAM PROTECTION WELL-construction/head protection~~	~~LinFt~~	~~$13.00~~	~~$ -~~	~~$ -~~	~~Average~~
STREAM PROTECTION WELL-construction/head protection	LinFt	$20.00	$ -	$ -	Average
STREAM PROTECTION WELL-permit *(only where agriculture is not exempt from well permit fees)*	Each	Cost Share percent of actual amount not to exceed	$ 500.00	$ 600.00	Actual
STREAM PROTECTION WELL- Steel casing	LinFt	Cost Share percent of actual amount			Actual

12

ATTACHMENT 9

3. WELL and PUMP Cost Adjustments – AGRICHEMICAL FACILITY

AGRICHEMICAL FACILITY-PUMP- solar powered water	Each	Cost Share percent of actual amount not to exceed	$ 5,000.00	$ 6,000.00	Actual
~~AGRICHEMICAL FACILITY-PUMP- water supply~~	~~Each~~	~~Cost Share percent of actual amount not to exceed~~	~~$ 2,000.00~~	~~$ 2,400.00~~	~~Actual~~
AGRICHEMICAL FACILITY-PUMP- water supply	Each	Cost Share percent of actual amount not to exceed	$ 3,700.00	$ 4,440.00	Actual
AGRICHEMICAL FACILITY-WATER SUPPLY municiple tap	Job	Cost Share percent of actual amount not to exceed	$ 800.00	$ 960.00	Actual
~~AGRICHEMICAL FACILITY- WELL construction/head protection~~	~~LinFt~~	~~$13.00~~	~~$ -~~	~~$ -~~	~~Average~~
AGRICHEMICAL FACILITY- WELL construction/head protection	LinFt	$20.00	$ -	$ -	Average
AGRICHEMICAL FACILITY- WELL permit (only where agriculture is not exempt from well permit fees)	Each	Cost Share percent of actual amount not to exceed	$ 500.00	$ 600.00	Actual
AGRICHEMICAL FACILITY- WELL Steel casing	LinFt	Cost Share percent of actual amount			Actual

13

4. FY 2022 ACSP Average Cost List Adjustments

- Costs of construction materials and services have increased substantially and continue to fluctuate
- Several Districts have voiced concerns
- ACSP Average Cost List Analysis is top priority for FY 2022 (Effective FY 2023)
- Any way to adjust costs in the interim??
- Wholesale change based on index??

14

4. FY 2022 ACSP Average Cost List Adjustments

- Producer Price Indexes
- Developed by the US Bureau of Labor Statistics
- Measure the average change in prices received by domestic producers for their output.
- Measures price changes received by mining, manufacturing, services, and construction providers.

15

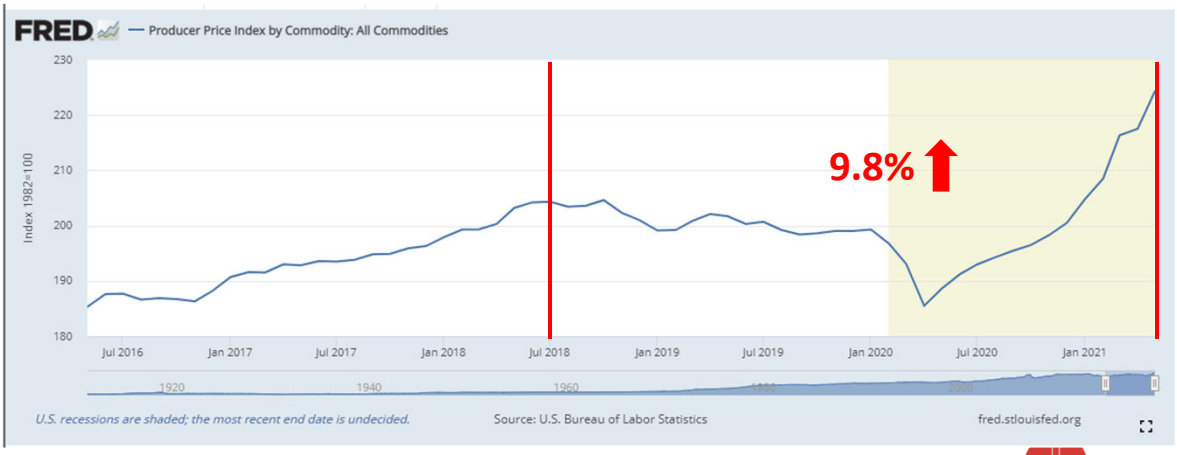
4. FY 2022 ACSP Average Cost List Adjustments

- Commodity Based Indexes
  - Wood and Lumber
  - Metal products
  - Rubber and Plastic products
  - Fuels

16

ATTACHMENT 9

PPI: All Commodities



17

Cost Share Rate Increase

- The Technical Review Committee is recommending a 9.8% increase to the average cost of all components in the average cost list.
- Cost adjustments would only impact the cost share for components in NEW contracts.
- Prior year contracts would not be eligible for additional funding to cover increases in average cost.

18

Cost Share Rate Increase

- Increases will not impact maximum cost share amounts (caps).
- Excludes –
  - Cover Crops
  - Residue and Tillage Management
  - Sod-Based Rotation
  - Well and Pump components
- Average costs will be re-analyzed for FY 2023

19

4. FY 2022 ACSP Average Cost List Adjustments

Pipes and Trash Guards		EXISTING UNIT COSTS			ADJUSTED UNIT COSTS (PPI = +9.8%)					
Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
PIPE FITTING-Corrugated Polyethylene 10"	Each	~~$20.63~~			$22.66			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 12"	Each	~~$26.02~~			$28.56			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 15"	Each	~~$43.34~~			$47.59			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 18"	Each	~~$87.09~~			$95.63			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 4"	Each	~~$3.25~~			$3.57			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 5"	Each	~~$4.55~~			$5.00			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 6"	Each	~~$7.45~~			$8.18			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 8"	Each	~~$15.20~~			$16.68			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride <=3"	Each	~~$3.55~~			$3.90			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 10"	Each	~~$118.25~~			$129.84			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 12"	Each	~~$159.64~~			$175.28			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 4"	Each	~~$7.10~~			$7.79			$ -	$ -	Average

20

ATTACHMENT 9

9. Agriculture Cost Share Program

- Please TAKE ACTION to approve the following items:
  - 9. B. Average Cost List

21

9. C. District Financial Assistance Allocation

- FY 2022 Strategic Plan – ACSP Requests
  - 100 counties requested - **$15,968,348** regular cost share funds (CS)
  - 52 counties requested - **$2,509,175** for Impaired and Impacted streams initiative (II)

22

9. C. District Financial Assistance Allocation

SOURCE	AMOUNT
2022 Appropriation	$ 4,016,998
Rollover from cancelations, releases and unencumbered funds (FY 2015 – 2021)	$ 1,033,242
TOTAL AVAILABLE FUNDS	$ 5,050,240
5% Contingency Reserve	$ 200,850
Total Allocated FY 2022	**$ 4,849,390**

11

9. C. District Financial Assistance Allocation

- TOTAL ALLOCATED FY 2022 = **$4,849,390**
  - REGULAR ACSP (CS) Total = **$4,249,390**
  - IMPAIRED/IMPACTED (II) Total = **$500,000**
  - CREP (CE) Total = **$100,000**

12

ATTACHMENT 9

9. C. District Financial Assistance Allocation

- CS allocations made to all districts requesting funds
- II funds allocated to all counties requesting funds with a current impaired/impacted survey
- Funds allocated using the allocation parameters described in rule 02 NCAC 59D .0103
- $20,000 Minimum allocation (unless requesting less)

25

9. Agriculture Cost Share Program

- Please TAKE ACTION to approve the following item:
  - 9. C. District Financial Assistance Allocation

26

ATTACHMENT 9A

Detailed Implementation Plan
Fiscal Year 2022

July 21, 2021

AGRICULTURE COST SHARE PROGRAM SUMMARY

The North Carolina Agriculture Cost Share Program (ACSP) was authorized by the General Assembly in 1983 to improve water quality associated with agriculture in three nutrient sensitive watersheds covering 16 counties. In 1990, the program was expanded to include 96 soil and water conservation districts (districts) covering all 100 counties across the state. In FY2022, there are 64 approved best management practices (BMPs) in the ACSP. BMPs include both short-term and long-term practices.

ACSP is administered by the North Carolina Soil and Water Conservation Commission and implemented through local soil and water conservation districts. The commission meets with stakeholders to gather input on ACSP's development and administration through the Technical Review Committee. ACSP currently receives a recurring state appropriation of $4,016,998 for BMP allocation. A separate recurring appropriation in the amount of $2,448,778 is used to support technical assistance funding for districts.

FISCAL YEAR 2022 ANNUAL GOALS

(1) Allocate funds to soil and water conservation districts for all ACSP BMPs.
   a. Award funds to all districts requesting an allocation following 02 NCAC 59D .0103.

(2) Support implementation of a Job Approval Authority process for ACSP BMPs
   a. Review job approval category requirements to ensure technical competency.
   b. Maintain the job approval database.

(3) Conduct training for districts
   a. Continue to train districts on the program.
   b. Provide technical training for the required skills to plan and implement approved ACSP BMPs.
   c. Maintain the ACSP website with all relevant information.

DISTRICT ALLOCATIONS

(1) Allocations will be made to all districts requesting funds in their FY2022 Strategy Plan.

(2) Allocation parameters are described 02 NCAC 59D .0103 Agriculture Cost Share Program Financial Assistance Allocation Guidelines and Procedures (Effective January 1, 2020).

Table 1. Allocation parameters

PARAMETER	PERCENT
Percentage of total acres of agricultural land in North Carolina that are in the respective district as reported in the most recent edition of the North Carolina Census of Agriculture.	20%
Percentage of total number of animal units in North Carolina that are in the respective district as reported in the most recent edition of the North Carolina Census of Agriculture and converted to animal units.	20%
Relative rank of the percentage of the county outside of municipal boundaries draining to waters identified as impaired or impacted on the most recent Integrated Report a produced by the North Carolina Division Water Resources.	20%
Relative rank of the percentage of the county draining to waters classified as Primary Nursery Areas, Outstanding Resource Waters, High Quality Waters, Trout Waters on the current schedule of Water Quality Standards and Classifications, Shellfish Harvesting Areas (open) as determined by the Division of Marine Fisheries, and North Carolina Drinking Water Assessment Areas as determined by the Division of Water Resources.	10%
Percentage of program funds allocated to a district that are expended for installed BMPs in the highest three of the most recent seven-year period as reported in the NC Cost Share Contracting System.	20%
Relative rank of the number of acres of highly erodible land in the county as reported by the United States Department of Agriculture Farm Service Agency.	10%

TECHNICAL ASSISTANCE ALLOCATIONS

(1) Allocations for technical assistance shall be based on the recommendation of the Division, the funding requested in the district's strategic plan, and the needs to install BMPs in the district.

(2) Each district shall provide at least 50% matching funds for technical assistance.

(3) The allocation is made based on the implementation of conservation practices for which district employees provided technical assistance:
   a. Commission Cost Share Programs funded practices: 100%
   b. Local, State, Federal and grant funded practices that meet the purpose requirements of Commission Cost Share Programs: 25%
   c. Allocations are calculated using the highest three of the most recent seven years. This calculation was approved at the February 24, 2021 Commission meeting and is effective this fiscal year.
   d. Allocations are calculated once every three years, unless there is a change in technical assistance State appropriations.

(4) Technical assistance funds may be used for any expense of the district in implementing Commission Cost Share Programs.

(5) The minimum allocation for districts with the required match is $20,000. The maximum allocation per district is $30,000.

(6) If a district is not spending more financial assistance funds on Commission Cost Share Programs than they receive for technical assistance, the district will appeal to the Commission to receive technical assistance funding.

(7) All technical district employees shall obtain Job Approval Authority for two BMPs from the Commission or United States Department of Agriculture Natural Resources Conservation Service (USDA-NRCS) within three years of being hired or by January 1, 2022, whichever is later.
   a. One BMP must be a design practice as described in Commission Program Detailed Implementation Plans, such as this document, or as defined as an engineering practice by USDA-NRCS.
   b. Boards of Supervisors may request a one-year extension for their employees in meeting this requirement for extenuating circumstances outside the employees' control.

BEST MANAGEMENT PRACTICES ELIGIBLE FOR COST SHARE PAYMENTS

(1) The best management practices eligible for cost sharing include the practices listed in Table 2 and any approved District BMPs.

- District BMPs shall be reviewed by the Division for technical merit in achieving the goals of this program. Upon approval by the Division, the District BMPs will be eligible to receive cost share funding as described in 02 NCAC 59D .0106.

(2) The minimum life expectancy of the BMPs shall be that listed in Table 2. Practices designated by a District shall meet the life expectancy requirement established by the Division for that District BMP.

(3) The list of BMPs eligible for cost sharing may be revised by the Soil and Water Conservation Commission as deemed appropriate in order to meet program purpose and goals. Additional practices may be adopted and introduced during the program year.

Table 2. Best management practices eligible for cost sharing, the minimum life expectancy of each practice and the practice type.

PRACTICE	MINIMUM LIFE EXPECTANCY (years)	PRACTICE TYPE
Abandoned Tree Removal	10	AGRONOMIC
Abandoned Well Closure	1	DESIGN
Agrichemical Containment and Mixing Facility	10	DESIGN
Agrichemical Handling Facility	10	DESIGN
Agricultural Pond Restoration/Repair	10	DESIGN
Agricultural Road Repair/Stabilization	10	DESIGN
Agricultural Water Collection System	10	DESIGN
All-Season Agricultural Access	10	DESIGN
Backflow Prevention System (Chemigation or Fertigation)	10	DESIGN
Closure of Abandoned Waste Impoundment	10	DESIGN
Concentrated Nutrient Source Management System	10	DESIGN
Conservation Cover	6	AGRONOMIC
Constructed Wetland for Land Application	10	DESIGN
Cover Crops	1	AGRONOMIC
Critical Area Planting	10	AGRONOMIC
Cropland Conversion	10	AGRONOMIC
Diversion	10	DESIGN
Drystack	10	DESIGN
Feeding/Waste Storage Structure	10	DESIGN
Field Border	10	AGRONOMIC
Filter Strip	10	AGRONOMIC
Grade Stabilization Structure	10	DESIGN
Grassed Waterway	10	DESIGN
Heavy Use Area Protection	10	DESIGN
Insect Control System	5	DESIGN
Lagoon Biosolids Removal Practice	1	DESIGN
Land Smoothing	5	DESIGN
Livestock Exclusion Fence	10	AGRONOMIC
Livestock Feeding Area	10	DESIGN
Livestock Mortality Management System - Incinerator	5	DESIGN
Livestock Mortality Management System - Other Systems	10	DESIGN
Manure Composting Facility	10	DESIGN

ATTACHMENT 9A

PRACTICE	MINIMUM LIFE EXPECTANCY (years)	PRACTICE TYPE
Manure/Litter Transportation Incentive	1	DESIGN
Micro-Irrigation System	10	DESIGN
Nutrient Management	3	AGRONOMIC
Odor Management System	1 to 10	AGRONOMIC
Pasture Renovation	10	AGRONOMIC
Pastureland Conversion	10	AGRONOMIC
Portable Agrichemical Mixing Station	5	DESIGN
Precision Agrichemical Application	5	AGRONOMIC
Precision Nutrient Management	3	AGRONOMIC
Prescribed Grazing	3	AGRONOMIC
Residue and Tillage Management	1 to 3	AGRONOMIC
Retrofit of On-going Animal Operations	10	DESIGN
Riparian Buffer	10	AGRONOMIC
Rock-lined Waterway or Outlet	10	DESIGN
Rooftop Runoff Management System	10	DESIGN
Sediment Control Basin	10	DESIGN
Sod-based Rotation	3, 4 or 5	AGRONOMIC
Solids Separation from Tank-Based Aquaculture Production	10	DESIGN
Spring Development	10	DESIGN
Stock Trail and Walkway	10	DESIGN
Storm Water Management System	10	DESIGN
Stream Crossing	10	DESIGN
Stream Protection Well	10	DESIGN
Stream Restoration	10	DESIGN
Streambank and Shoreline Protection	10	DESIGN
Stripcropping	5	AGRONOMIC
Terrace	10	DESIGN
Trough or Tank	10	DESIGN
Waste Application System	10	DESIGN
Waste Storage Pond	10	DESIGN
Waste Treatment Lagoon	10	DESIGN
Water Control Structure	10	DESIGN
Wetlands Restoration System	10	DESIGN

BEST MANAGEMENT PRACTICE DEFINTIONS

Agrichemical Pollution Prevention Practices

(1) **Abandoned tree removal:** Remove Christmas and/or apple tree fields for integrated pest management and for reducing sedimentation. An abandoned tree field can be of any size or age trees where standard management practices (e.g., maintaining groundcover, insect and disease control, fertilizer applications and annual shearing practices) for the production of the trees are discontinued or abandoned. The field must have been abandoned for at least 5 years. Abandonment leads to adverse soil erosion formations such as gullies and to production of disease inoculums and increased pest population. Conversion to perennial vegetation on abandoned fields further protects soil loss by preventing runoff on steep slopes due to a better groundcover thereby providing additional water quality protection. Benefits include water quality protection, prevention of soil erosion, and wildlife habitat establishment.

(2) **Agrichemical containment and mixing facility:** A system of components that provide containment and a barrier to the movement of agrichemicals. The purpose of the system is to provide secondary containment to prevent degradation of surface water, groundwater, and soil from unintentional release of pesticides or fertilizers.

(3) **Agrichemical handling facility:** A permanent structure that provides an environmentally safe means of mixing agrichemicals and filling tanks with agrichemicals for application and storage to improve water quality. Benefits may include prevention of accidental degradation of surface and ground water.

(4) **Chemigation or Fertigation backflow prevention:** A combination of devices (valves, gauges, injectors, drains, etc.) to safeguard water sources from contamination by fertilizers used during the irrigation of agricultural crops. The practice is intended to modify or improve fertilizer injection systems with components necessary to prevent backflow or siphoning of contaminants into the water supply thereby improving and protecting the state's waters.

(5) **Precision agrichemical application:** Using a system of components that enable reduction and greater control of fertilizer and pesticide application. This is accomplished through avoidance of excessive overlapping, unnecessary application to end/turn rows, and more precise control of application rates.

(6) **Portable agrichemical mixing station:** A portable device to be used in the field to prevent the unintentional release of agrichemicals to the environment during mixing and transferring of agrichemicals. Benefits may include prevention of accidental degradation of surface and ground water.

Erosion and Nutrient Management Practices

(1) **Conservation cover:** Establish and maintain a conservation cover of grass, legumes, or other approved plantings on fields previously with no groundcover established, to reduce soil erosion and improve water quality. Other benefits may include reduced offsite sedimentation and pollution from dissolved and sediment-attached substances. Eligible land includes that planted to Christmas Trees, orchards, ornamentals, vineyards and other cropland needing protective cover.

(2) **Cover crop:** A crop of grasses, legumes, small grain or brassicas grown primarily for seasonal vegetative protection, erosion control and soil improvement. Cover crops are typically grown for one year or less. The practice can be implemented to support one or more of the following purposes: reduce erosion from wind and water; reduce water quality degradation by utilizing excessive soil nutrients; improve infiltration of rainfall; maintain or increase soil health and organic matter content; suppress excessive weed pressures and break pest cycles; improve soil moisture use efficiency and/or minimize soil compaction.

(3) **Critical area planting:** An area of highly erodible land that cannot be stabilized by ordinary conservation treatment on which permanent perennial vegetative cover is established and protected to improve water quality. Benefits may include reduced soil erosion and sedimentation.

(4) **Cropland conversion:** To establish and maintain a conservation cover of grasses, trees, or wildlife plantings on fields previously used for crop production to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.

(5) **Diversion:** A channel constructed across a slope with a supporting ridge on the lower side to control drainage by diverting excess water from an area to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.

(6) **Land smoothing:** Reshaping the surface of agricultural land to planned grades for the purpose of improving water quality. Improvements to water quality include reduction in nutrient loss; reduction in concentrated flow of water from an agricultural field and improved infiltration.

(7) **Micro-irrigation:** An environmentally safe system for the conveyance and distribution of water, chemicals, and fertilizer to agricultural fields for crop production. A micro-irrigation system is for frequent application of small quantities of water on or below the soil surface as drops, tiny streams, or miniature spray through emitters or applicators placed along a water delivery line. This practice may be applied as part of a conservation management system to support one or more of the following purposes: to efficiently and uniformly apply irrigation water and maintain soil moisture for plant growth; to efficiently and uniformly apply plant nutrients in a manner that protects water quality; to prevent contamination of ground and surface water by efficiently and uniformly applying chemicals and fertilizers and/or to establish desired vegetation.

(8) **Pasture-land conversion:** Establishing trees or perennial wildlife plantings on excessively eroding land with a visible sediment delivery problem to the waters of the state used for pasture that is too steep to mow or maintain with conventional equipment to improve water quality. Benefits may include reduced soil erosion and sedimentation.

(9) **Pasture renovation:** Establish and maintain a conservation cover of grass, where existing pasture vegetation is inadequate. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.

(10) **Prescribed Grazing:** Managing the intensity, frequency, duration, timing, and number of grazing animals on pastureland in accordance with site production limitations, rate of plant growth, physiological needs of forage plants for production and persistence, and nutritional needs of the

grazing animals. The goal of this practice is to reduce accelerated soil erosion and compaction, to improve or maintain riparian and watershed function, to maintain surface and/or subsurface water quality and quantity, to improve nutrient distribution, and to improve or maintain desired species composition and vigor of plant communities. Productive pastures maintain wildlife habitat and permeable green space.

(11) **Residue and Tillage management:** Maintaining crop and other plant residue on the soil surface year-round and limiting soil disturbing activities to protect water quality. Residue and tillage management also provides seasonal soil protection from wind and rain erosion, adds organic matter to the soil, conserves soil moisture, and improves infiltration, aeration and tilth. Benefits may include reduction in soil erosion, sedimentation and pollution from sediment-attached substances.

(12) **Rooftop runoff management:** A system of collection and stabilization practices (dripline stabilization, guttering, collection boxes, etc.) to prevent rainfall runoff from agricultural rooftops from causing erosion where vegetative practices are insufficient to address erosion concerns and protect water quality.

(13) **Sod-based rotation:** An adapted sequence of crops, grasses and legumes or a mixture thereof established and maintained for a definite number of years as part of a conservation cropping system which is designed to provide adequate organic residue for maintenance or improvement of soil tilth to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.

(14) **Stripcropping:** To grow crops and sod in a systematic arrangement of alternating strips or bands on the contour to improve water quality. Benefits may include reduced soil erosion, sedimentation, and pollution from dissolved and sediment-attached substances. The crops are arranged so that a strip of grass or close-growing crop is alternated with a strip of clean-tilled crop, fallow, or no-till crop, or a strip of grass is alternated with a close-growing crop.

(15) **Terraces:** An earth embankment, a channel, or a combination ridge and channel constructed across the slope to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.

(16) **Wetland restoration system:** A system of practices designed to restore the natural hydrology of an area that had been drained and cropped.

<u>Sediment and Nutrient Management Practices</u>

(1) **Abandoned well closure:** The sealing and permanent closure of a supply well no longer in use. This practice serves to prevent entry of contaminated surface water, animals, debris, or other foreign substances into the well. It also serves to eliminate the physical hazards of an open hole to people, animals, and farm machinery.

(2) **Agricultural pond repair/retrofit:** To restore or repair existing failing agricultural pond systems. Benefits may include erosion control, flood control, and sediment and nutrient reductions from farm fields for better water quality. This practice is only applicable to low hazard classification ponds.

(3) **Agricultural pond sediment removal:** Remove sediment from existing agricultural ponds to increase water storage capacity. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields

(4) **Agricultural road repair/stabilization:** Repair or stabilization of existing access roads utilized for agricultural operations, including roads to existing crop fields, pastures, and barns.

(5) **Agricultural Water Collection System:** Construct an agricultural water collection system for water reuse or irrigation to improve water quality. These systems may include construction of new ponds, utilizing existing ponds, water storage tanks and pumps in order to intercept sediment, nutrients, manage chlorophyll a. These systems may have the added benefit of reducing the demand on the water supply and decreasing withdrawal from aquifers, but these benefits shall not be the justification for this practice.

(6) **All-season Agricultural Access:** An accompanying best management practice (BMP) to provide stabilized access to agriculture BMPs to reduce erosion and improve water quality. This accompanying BMP is not intended to be used to construct new roads.

(7) **Field border:** A strip of perennial vegetation established at the edge of the field that provides a stabilized outlet for row water to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.

(8) **Filter strip:** An area of permanent perennial vegetation for removing sediment, organic matter, and other pollutants from runoff and wastewater to improve water quality. Benefits may include reduced soil erosion, sedimentation, pathogen contamination and pollution from dissolved, particulate, and sediment-attached substances.

(9) **Grade stabilization structure:** A structure (earth embankment, mechanical spillway, detention-type, etc.) used to control the grade and head cutting in natural or artificial channels to improve water quality. Benefits may include reduced soil erosion and sedimentation.

(10) **Grassed waterway:** A natural or constructed channel that is shaped or graded to required dimensions and established in suitable vegetation for the stable conveyance of runoff to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved and sediment-attached substances.

(11) **Nutrient management:** A definitive plan to manage the amount, form, placement, and timing of applications of nutrients to minimize entry of nutrients to surface and groundwater and improve water quality.

(12) **Precision nutrient management:** Applying nitrogen; phosphorus and lime in a site-specific manner (with specialized application equipment or multiple application events) based on the site-specific recommendations for each GPS-referenced sampling point to minimize entry of nutrients to surface and groundwater and improve water quality.

(13) **Riparian buffer:** A permanent, long-lived vegetative cover (grass, shrubs, trees, or a combination of vegetation types) established adjacent to and up-gradient from watercourses or water bodies to improve water quality. Benefits may include reduced soil erosion and nutrient delivery,

sedimentation, pathogen contamination and pollution from dissolved, particulate and sediment-attached substances.

(14) **Rocklined outlet:** A waterway having an erosion-resistant lining of concrete, stone or other permanent material where an unlined or grassed waterway would be inadequate to improve water quality. Benefits may include safe disposal of runoff, reduced erosion and sedimentation.

(15) **Sediment basin:** A basin constructed to trap and store waterborne sediment where physical conditions or land ownership preclude treatment of a sediment source by the installation of other erosion control measures to improve water quality.

(16) **Stream restoration:** The use of bioengineering practices, native material revetments, channel stability structures, and/or the restoration or management of riparian corridors in order to protect upland BMPs, restore the natural function of the stream corridor and improve water quality by reducing sedimentation to streams from streambank.

(17) **Streambank and shoreline protection:** The use of vegetation to stabilize and protect banks of streams, lakes, estuaries, or excavated channels against scour and erosion. This practice should be used to prevent the loss of land or damage to utilities, roads, buildings, or other facilities adjacent to the banks, to maintain the capacity of the channel, to control channel meander that would adversely affect downstream facilities, to reduce sediment load causing downstream damages and pollution, or to improve the stream for recreation or fish and wildlife habitat.

(18) **Water control structure:** A permanent structure placed in a farm canal, ditch, or subsurface drainage conduit (drain tile or tube), which provides control of the stage or discharge of surface and/or subsurface drainage. The management mechanism of the structure may be flashboards, gates, valves, risers, or pipes. The primary purpose of the water control structure is to improve water quality by elevating the water table and reducing drainage outflow. A secondary purpose is to restore hydrology in riparian buffers to the extent practical. Elevating the water table promotes denitrification and lower nitrate levels in drainage water from cropping systems and minimizes the effects of short-circuiting of drainage systems passing through riparian buffers. Other benefits may include reduced pollution from other dissolved and sediment-attached substances, reduced downstream sedimentation and reduced stormwater surges of fresh water into estuarine areas. This practice is not intended to be used to control water inflow from tidal influence (i.e., no tide gates).

<u>Stream Protection Management Practices</u>

(1) **Heavy use area protection:** An area used frequently and intensively by animals, which must be stabilized by surfacing with suitable materials to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved, particulate, and sediment-attached substances.

(2) **Livestock exclusion fencing:** A system of permanent fencing (board, barbed, high tensile or electric wire) installed to exclude livestock from streams and critical areas not intended for grazing to improve water quality. Benefits may include reduced soil erosion, sedimentation, pathogen contamination and pollution from dissolved, particulate, and sediment-attached substances.

(3) **Livestock feeding area:** A sized concrete pad where feeders are located, surrounded by a heavy use area. The livestock feeding area is designed for the purpose of improving the lifespan of the heavy use area and to reduce the runoff of nutrients and fecal coliform to adjacent water bodies. The practice is to be used to address water quality concerns where livestock feeding areas are in close proximity to streams and where relocation or rotation of feeding areas is infeasible due to physical limitations (e.g., slope) and where other stream protection measures are insufficient to protect water quality.

(4) **Spring development**: Improving springs and seeps by excavating, cleaning, capping or providing collection and storage facilities.

(5) **Stocktrails and walkways:** Provide a stable area used frequently and intensively for livestock movement by surfacing with suitable material to improve water quality. Benefits may include reduced soil erosion, sedimentation and pollution from dissolved, particulate, and sediment-attached substances.

(6) **Stream crossing:** A trail constructed across a stream to allow livestock to cross without disturbing the bottom or causing soil erosion on the banks.

(7) **Trough or tank:** Devices installed to provide drinking water for livestock at a stabilized location.

(8) **Stream Protection Well:** Constructing a drilled, driven or dug well to supply water from an underground source.

Waste Management Practices

(1) **Closure of waste impoundments:** The safe removal of existing waste and wastewater and the application of this waste on land in an environmentally safe manner. This practice is only applicable to waste storage ponds and lagoons.

(2) **Concentrated nutrient source management system:** A system of vegetative and structural measures used to manage the collection, storage, and/or treatment of areas where agricultural products may cause an area of concentrated nutrients. Examples could include sweet potato culls and silage leachate.

(3) **Constructed wetlands:** An artificial wetland area into which liquid animal waste from a waste storage pond or lagoon is dispersed over time to lower the nutrient content of the liquid animal waste.

(4) **Dry stack:** A fabricated structure for temporary storage of animal waste.

(5) **Feeding/waste storage structure:** A structure designed for improving the collection/storage of animal waste and to reduce runoff of nutrients and fecal coliform to adjacent water bodies. The practice is intended to be used where livestock feeding areas are in close proximity to streams and where relocation or rotation of feeding areas is infeasible due to physical limitations (e.g., slope) and where other stream protection measures are insufficient to address water quality concerns.

(6) **Insect control practice:** A practice or combination of practices (planting windbreaks, pre-charging structures, incorporation of waste into soil, etc.) which manages or controls insects from confined animal operations, waste treatment and storage structures, and waste applied to agricultural land.

(7) **Lagoon biosolids removal:** Removing accumulated biosolids from active lagoons. The biosolids will be properly utilized on farmland or forestland or processed to a value-added product, including energy production, to reduce nutrient impacts from nitrogen-only based planning and impacts of phosphorus accumulation on application land.

(8) **Livestock mortality management system:** A facility for managing livestock mortalities such as to minimize water quality impacts or to produce a material that can be recycled as a soil amendment and fertilizer substitute. Cost shareable mortality management system components include: composter, rotary drum composter, forced aeration static pile composter, mortality freezer/refrigeration unit and, mortality incinerator system.

(9) **Manure composting facility:** A facility for the biological treatment, stabilization and environmentally safe storage of organic waste material (such as manure from poultry and livestock) to minimize water quality impacts and to produce a material that can be recycled as a soil amendment and fertilizer substitute.

(10) **Manure/litter transportation:** Transporting dry litter and dry manure from livestock and poultry farms that lack sufficient land to effectively utilize the animal-derived nutrients. The litter/manure will be properly utilized on alternative land or processed to a value-added product, including energy production, to reduce nutrient impacts.

(11) **Odor control management system:** A practice or combination of practices (planting windbreaks, pre-charging structures, incorporation of waste into soil, etc.) which manages or controls odors from confined animal operations, waste treatment and storage structures and waste applied to agricultural land and improves air quality by reducing and intercepting airborne particulate matter, chemical drift and odor.

(12) **Retrofit of on-going animal operations:** Modification of structures to increase storage or to correct design flaws to meet current standards. This practice may also be used to close waste impoundments on on-going operations, including the safe removal of existing waste and wastewater and the application of this waste on land in an environmentally safe manner.

(13) **Solids separation from tank/raceway-based aquaculture production:** A facility for the removal, storage and dewatering of solid waste from the effluent of intensive tank-based aquaculture production systems. The system is used to capture organic solids from the effluent stream of intensive fish production systems that would otherwise flow to effluent ponds for storage and further treatment. This waste comes from uneaten feed and feces generated by fish while being fed within a tank-or raceway-based fish farm.

(14) **Storm water management system:** A system of collection and diversion practices (guttering, collection boxes, diversions, etc.) to prevent unpolluted storm water from flowing across concentrated waste areas on animal operations.

(15) **Waste Application Systems:** An environmentally safe system (such as solid set, dry hydrant, mobile irrigation equipment, etc.) for the conveyance and distribution of animal wastes from waste treatment and storage structures to agricultural fields as part of an irrigation and waste utilization plan.

(16) **Waste treatment lagoon/storage pond:** An impoundment made by excavation or earth fill for biological treatment and storage of animal waste.

BMP Technical Competency Requirements

ABANDONED TREE REMOVAL

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
327-ATR	Abandoned Tree Removal	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Wildlife Management and Adaptive Plant Species.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

AGRICULTURAL ROAD REPAIR / STABILIZATION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
560	Agricultural Road Repair / Stabilization	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Installation inspection of actual materials used (NEM Part 512 - Construction, Subpart C – Evaluation of Construction Materials, 512.20 through 512.23; Subpart D - Quality Assurance Activities, 512.33). 4. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 5. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

ALL-SEASON AGRICULTURAL ACCESS

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
561-ASAA	All-Season Agricultural Access	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Installation inspection of actual materials used (NEM Part 512 - Construction, Subpart C – Evaluation of Construction Materials, 512.20 through 512.23; Subpart D - Quality Assurance Activities, 512.33). 4. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 5. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

BASEFLOW INTERCEPTOR (STREAMSIDE PICKUP)

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
574-BI-AW	Baseflow Interceptor (streamside pickup)	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 4. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 5. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

CONSERVATION COVER

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
327	Conservation Cover	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Wildlife Management and Adaptive Plant Species.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

COVER CROP

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
340	Cover Crop	Species Planted (Species Mix)	Number	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Adaptive Species of Cover Crops for Planned Purposes in NC. 6. Knowledge of Approved Planting Dates, Times and Methods of Termination for Cover Crops. 7. Working knowledge of “Managing Cover Crops Profitability”. 8. Ability to select species based on the client objectives.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

CROP RESIDUE MANAGEMENT

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
340-CRM	Crop Residue Management	Species Planted (Species Mix)	Number	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Adaptive Species of Cover Crops for Planned Purposes in NC. 6. Knowledge of Approved Planting Dates, Times and Methods of Termination for Cover Crops. 7. Working knowledge of “Managing Cover Crops Profitability”. 8. Ability to select species based on the client objectives.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

CROPLAND CONVERSION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
512	Cropland Conversion	Forage species, class or mix	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of adapted forage plants for the ecological sites/forage suitability groups in the area of service. 2. Skill in planning the planting protocols and educating land users in the operation and maintenance for the practice/operation/site.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

DIVERSION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
362	Diversion	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Development of related computations and analyses to develop plans and specifications including but not limited to hydrology/hydraulics, vegetation, environmental considerations, and outlet capacity and stability. 4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 5. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 6. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

FIELD BORDER

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
386	Field Border	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of Vegetation Appropriate for Field Borders. 2. Ability to Assess Site Conditions to Plan and Apply Field Borders. 3. Knowledge of Species and Vegetation Management for Wildlife & Pollinators.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

FILTER STRIP

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
393	Filter Strip	Area	Acres	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge using the Excel Filter Strip Lifespan Design Spreadsheet. 5. Working knowledge of the application of Agronomy Technical Note no. 2 Using RUSLE2 for the Design and Predicted Effectiveness of Vegetative Filter Strips (VFS) or Sediment.	1. Knowledge of Vegetation Appropriate for Filter Strips. 2. Ability to Assess Site Conditions to Plan and Apply Filter Strips. 3. Knowledge of Species and Vegetation Management for Wildlife & Pollinators. 4. Knowledge of the Management Needed to Attain the Purpose(s) of the Filter Strips. 5. Ability to Layout a Filter Strip to Meet its Intended Purpose(s).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form. 4. Plan specification must include use of the Excel Filter Strip Lifespan Design Spreadsheet.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form. 4. Plan specification must include use of the Excel Filter Strip Lifespan Design Spreadsheet.

HEAVY USE AREA PROTECTION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
561	Heavy Use Area Protection	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to standard drawing(s) or other approved site-specific drawing(s) and the NC approved spreadsheet 561_NC_GD_Heavy_Use_Area_ProtectionFeeding_Site_Assessment_Tool_v_7_2015.xlxs or equivalent. 4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 5. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 6. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

LIVESTOCK EXCLUSION FENCE

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
382	Livestock Exclusion Fence	Fence type and land slope	Type, %	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Working knowledge using the NC NRCS Fence Job Sheet Application. 4. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of conservation practice standard 382. 2. Knowledge of livestock management for grazing lands of the locale. 3. Knowledge of wildlife relationships with fence in the locale. 4. Knowledge of grazing management issues in the locale.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

LONG TERM NO-TILL

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
329	Long Term No-Till	Crop, Production Method	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of No till Planters and Drills. 6. Knowledge of Crop Residue Management. 7. Knowledge of Soils and Soil Management for No Till.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

NUTRIENT MANAGEMENT

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
590-NM	Nutrient Management	Nutrient source, application method and/or special condition	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Working knowledge in the analysis and interpretation of soil test and waste analysis results. 4. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 5. NCSU Nutrient Management in NC Course which includes: (1) the online prerequisite; (2) 5-days of nutrient management-related course work; and (3) a passing score on the exam given at the conclusion of the course; Working knowledge in the Agricultural Waste Management Field Handbook (Title 210, Part 651). 6. Appropriate JAA for practices needed to control erosion to a sustainable level (T) on land application sites (If applicable Practice Codes: 342, 329, 328, 340, 386,...).	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Synthetic Fertilizers and Analysis. 6. Knowledge of Manure Characteristics and Nutrient Values. 7. Completion of the NCSU Nutrient Management Planning Course. 8. Ability to Perform Nitrogen and Phosphorus Risk Assessments using NCANAT (NLEW+PLAT) and/or latest web-based NC Nutrient Management Software.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete two Nutrient Management Plans in accordance with the most recent SWCC BMP standard. (Note- plan should include use of PLAT, erosion prediction result for planned fields, and latest NC CNMP checklist.) 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for two applied Nutrient Management Plans on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

NUTRIENT SCAVENGER COVER CROP

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
340-NSCC	Nutrient Scavenger Cover Crop	Species Planted (Species Mix)	Number	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Adaptive Species of Cover Crops for Planned Purposes in NC. 6. Knowledge of Approved Planting Dates, Times and Methods of Termination for Cover Crops. 7. Working knowledge of “Managing Cover Crops Profitability”. 8. Ability to select species based on the client objectives.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

ODOR MANAGEMENT SYSTEM

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
380	Odor Management System	Purpose(s)	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. When applicable, appropriate JAA for supporting practices (i.e. Tree/Shrub Site Preparation (PC490) and Tree/Shrub Establishment (PC612)).	1. Knowledge of windbreak/shelterbelt design and function, including snow management if applicable. 2. Knowledge of forest ecology and management for the local area. 3. Knowledge of crops protected by windbreaks and shelterbelts. 4. Knowledge of silvics of tree species to be established.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

PASTURE RENOVATION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
512-PR	Pasture Renovation	Forage species, class or mix	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of adapted forage plants for the ecological sites/forage suitability groups in the area of service. 2. Skill in planning the planting protocols and educating land users in the operation and maintenance for the practice/operation/site.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

PASTURELAND CONVERSION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
612	Pastureland Conversion	Site Sensitivity-Soil suitability rating for potential seedling mortality	WSS Rating	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of forest ecology and management for the local area. 2. Knowledge of silvics of tree species to be established. 3. Knowledge of soil health and management. 4. Knowledge of resource impacts including water quality, wildlife effects, soil limitations (i.e. potential seedling mortality rating, and harvest equipment operability ratings), fuel volatility, etc. 5. Working knowledge of Forestry BMPs.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

PRECISION AGRICHEMICAL APPLICATION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
590-PAA	Precision Agrichemical Application	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Working knowledge in the analysis and interpretation of soil test and waste analysis results. 4. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 5. NCSU Nutrient Management in NC Course which includes: (1) the online prerequisite; (2) 5-days of nutrient management-related course work; and (3) a passing score on the exam given at the conclusion of the course; Working knowledge in the Agricultural Waste Management Field Handbook (Title 210, Part 651). 6. Appropriate JAA for practices needed to control erosion to a sustainable level (T) on land application sites (If applicable Practice Codes: 342, 329, 328, 340, 386,...).	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Synthetic Fertilizers and Analysis. 6. Knowledge of Manure Characteristics and Nutrient Values. 7. Completion of the NCSU Nutrient Management Planning Course. 8. Ability to Perform Nitrogen and Phosphorus Risk Assessments using NCANAT (NLEW+PLAT) and/or latest web-based NC Nutrient Management Software.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete two Nutrient Management Plans in accordance with the most recent SWCC BMP standard. (Note- plan should include use of PLAT, erosion prediction result for planned fields, and latest NC CNMP checklist.) 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for two applied Nutrient Management Plans on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

ATTACHMENT 9A

PRECISION NUTRIENT MANAGEMENT

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
590-PNM	Precision Nutrient Management	Nutrient source, application method and/or special condition	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Working knowledge in the analysis and interpretation of soil test and waste analysis results. 4. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 5. NCSU Nutrient Management in NC Course which includes: (1) the online prerequisite; (2) 5-days of nutrient management-related course work; and (3) a passing score on the exam given at the conclusion of the course; Working knowledge in the Agricultural Waste Management Field Handbook (Title 210, Part 651). 6. Appropriate JAA for practices needed to control erosion to a sustainable level (T) on land application sites (If applicable Practice Codes: 342, 329, 328, 340, 386,...).	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Synthetic Fertilizers and Analysis. 6. Knowledge of Manure Characteristics and Nutrient Values. 7. Completion of the NCSU Nutrient Management Planning Course. 8. Ability to Perform Nitrogen and Phosphorus Risk Assessments using NCANAT (NLEW+PLAT) and/or latest web-based NC Nutrient Management Software.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete two Nutrient Management Plans in accordance with the most recent SWCC BMP standard. (Note- plan should include use of PLAT, erosion prediction result for planned fields, and latest NC CNMP checklist.) 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for two applied Nutrient Management Plans on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

PRESCRIBED GRAZING

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
528	Prescribed Grazing	Pasture Only - Area	Acres	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of ecological processes and implications for specific grazing ecological sites, forage suitability groups, and/or forest ecological sites in the area of service. 2. Skill in development of grazing management plans that are practical, address resource concerns, and meet manager's objectives. 3. Ability to monitor landscapes and communicate needed adjustments. 4. Ability to use appropriate assessment tools to complete forage balance calculations, Pasture Conditioning Score, C-Graze. 5. Ability to teach landowners the usage of grazing stick to establish stop grazing onsite.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

ROOFTOP RUNOFF MANAGEMENT SYSTEMS

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
558	Rooftop Runoff Management System	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Ability to develop plans and specifications including sketches and drawings shall be provided to the client that adequately describes the requirements to install the practice and obtain necessary permits. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Development of related computations and analyses to develop plans and specifications including but not limited to hydrology/hydraulics, vegetation, environmental considerations, and outlet capacity and stability. 4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 5. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 6. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

SOD-BASED ROTATION

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
328	Sod-based Rotation	Crop, Production Method	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of Adaptive Species of Cover.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

SPRING DEVELOPMENT

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
574	Spring Development	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 4. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 5. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

STOCK TRAILS AND WALKWAYS

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
575	Stock Trails and Walkways	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to foundation, grades, widths, surfacing materials, surface drainage, erosion control, and environmental considerations. 4. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 5. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 6. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

STRIPCROPPING

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
585	Stripcropping	Slope	%	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Equipment and Widths of Equipment and Systems used in NC. 5. Knowledge of Planters and Drills and Common Widths Used in NC. 6. Knowledge of Crop Residue Management.

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

TERRACES

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
600	Terraces	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of NRCS Construction Specification 21 - Excavation and 23 - Earthfill. 2. Ability to Assess site soil conditions and prescribe treatment and the appropriate vegetation. 3. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 4. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 5. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

TROUGH OR TANK

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
614	Trough or Tank	Purpose	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS

Prerequisites	Practice Knowledge, Skills, Abilities (KSAs)
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review for to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form. 4. Working knowledge of Web Soil Survey, Suitabilities and Limitations Ratings. 5. Capability to perform layout and construction checking following applicable procedures and Notekeeping format contained in Technical Release 62.	1. Knowledge of watering facilities, water distribution appurtenances and locations, inlet/outlet details at water facility location(s), foundation and/or stabilization measures, protective measures for animals and humans, and special conditions for access (e.g. fences or ramps), if needed. 2. Compliance with NRCS national and state utility safety policy (NEM Part 503-Safety, Subpart A - Engineering Activities Affecting Utilities 503.00 through 503.06). 3. Practice standard criteria related computations and analyses to develop plans and specifications of water resource and forage inventory including but not limited to type and number of livestock, daily water use, planned storage volume, and topographic survey for pipelines. 4. Development of as-built or “red-line” drawings (NEM Part 512, Construction, Subpart F – As-builts, 512.50 through 512.52). 5. Certification the installation meets applicable standards and specifications and is in compliance with permits (NEM Part 505 – Non-NRCS Engineering Services, Subpart A - Introduction, 505.3).

PRACTICE PHASES

INVENTORY AND EVALUATION (I&E)	DESIGN (D)	CONSTRUCTION & CERTIFICATION (C&C)
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

3-YEAR CONSERVATION TILLAGE SYSTEM

PRACTICE DESCRIPTION				JOB CLASSES				
Code	**Practice**	**Controlling Factor**	**Units**	**Job Class I**	**Job Class II**	**Job Class III**	**Job Class IV**	**Job Class V**
329-CTS	3-Year Conservation Tillage System	Crop, Production Method	Type	All				

TECHNICAL COMPETENCY REQUIREMENTS	
Prerequisites	**Practice Knowledge, Skills, Abilities (KSAs)**
1. Employee must fulfill ALL the Technical Competency Requirements listed for this practice, and submit the specified number of plans for review to receive JAA. 2. Working knowledge of SWCC JAA Policy and Procedures, applicable conservation practice standard, and BMP policies. 3. Capability to complete “The NRCS-CPA-52 Environmental Evaluation Worksheet" or comparable site assessment form.	1. Knowledge of NC's Crops and Cropping Systems. 2. Knowledge of Soil Health and Management. 3. Ability to use Current Wind and Water Erosion Prediction Tools. 4. Knowledge of Tillage Systems used in NC. 5. Knowledge of No till Planters and Drills. 6. Knowledge of Crop Residue Management. 7. Knowledge of Soils and Soil Management for No Till.

PRACTICE PHASES		
INVENTORY AND EVALUATION (I&E)	**DESIGN (D)**	**CONSTRUCTION & CERTIFICATION (C&C)**
1. Independently complete a minimum of two I&E packets on separate Planning Land Units (PLU) to identify and document resource concerns using the latest NRCS-CPA-52 Form (or equivalent) and GIS mapping tools (i.e. ArcMap, Toolkit, or Conservation Desktop) to develop Conservation Plan Maps. 2. Use the latest NRCS-CPA-52 (Sections A thru P) or comparable site assessment form to independently recommend and document resource alternatives/alternative action(s) needed to meet the client’s objective and achieve the intended purpose to mitigate associated resource concerns for two different Planning Land Units (PLU). 3. Complete the appropriate "CONSERVATION PLANNING CRITERIA, RESOURCE CONCERNS & SPECIAL ENVIRONMENTAL CONCERNS CHECKLIST (see EFOTG, Section II) or comparable form, and ALL applicable resource assessments tools, such as erosion prediction tools, calculations, surveys, and soils investigations necessary to document existing resource conditions, resource concerns, and short-term/long term effects of proposed alternatives.	1. Independently complete a minimum of two designs/specifications for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Design” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW), including O&M guidance, and any applicable Job Sheet(s), Implementation Requirements, or comparable SWCC practice specification sheet(s). 3. Completion of the latest NRCS-CPA-52 Worksheet, Sections A through P or comparable site assessment form.	1. Independently complete a minimum of two construction/certification "check-outs" for the desired practice on separate Planning Land Units (PLU) in accordance with the most recent SWCC BMP standard and policies. 2. Independently fulfill/complete the “Installation” & "Check Out” deliverables in accordance with the most recent eFOTG practice Statement of Work (SOW) or comparable SWCC form(s). 3. Independently compile, record, and complete practice certification activities using the latest NC-CPA-09 Form (“Conservation Practice Certification Form”) or comparable form.

FY2022 ACSP Average Cost List

		EXISTING UNIT COSTS			ADJUSTED UNIT COSTS (PPI = +9.8%)					
Agrichemical Pollution Prevention										
Component	**Unit Type**	**AREA 1 Unit Cost**	**AREA 2 Unit Cost**	**AREA 3 Unit Cost**	**AREA 1 Unit Cost**	**AREA 2 Unit Cost**	**AREA 3 Unit Cost**	**Maximum Cost Share 75 Percent**	**Maximum Cost Share 90 Percent**	**Cost Type**
ABANDONED TREE REMOVAL	Acre	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
AGRICHEMICAL CONTAINMENT AND MIXING FACILITY	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 16,500.00	$ 19,800.00	Actual
AGRICHEMICAL HANDLING FACILITY-building - incl. Plumbing, electrical, and misc.	SqFt	~~$16.67~~			$18.30			$ 27,500.00	$ 33,000.00	Average
AGRICHEMICAL HANDLING FACILITY-chemical storage - incl. Block, sealant, purlite, & platform	SqFt	~~$31.08~~			$34.12					Average
AGRICHEMICAL MIXING STATION - Portable	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 3,500.00	$ 4,200.00	Average
AGRICHEMICAL FACILITY-PUMP- housing, fiberglass/site built	Each	~~$350.00~~			$384.30			$ -	$ -	Average
AGRICHEMICAL FACILITY-PUMP- solar powered water	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
~~AGRICHEMICAL FACILITY-PUMP- water supply~~	~~Each~~	~~Cost Share percent of actual amount not to exceed~~			~~Cost Share percent of actual amount not to exceed~~			~~$ 2,000.00~~	~~$ 2,400.00~~	~~Actual~~
AGRICHEMICAL FACILITY-PUMP- water supply	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 3,700.00	$ 4,440.00	Actual
AGRICHEMICAL FACILITY-WATER SUPPLY municiple tap	Job	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 800.00	$ 960.00	Actual
~~AGRICHEMICAL FACILITY- WELL construction/head protection~~	~~LinFt~~	~~$13.00~~			~~$13.00~~			~~$ -~~	~~$ -~~	~~Average~~
AGRICHEMICAL FACILITY- WELL construction/head protection	LinFt	$20.00			$20.00			$ -	$ -	Average
AGRICHEMICAL FACILITY- WELL permit (only where agriculture is not exempt from well permit fees)	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
AGRICHEMICAL FACILITY- WELL Steel casing	LinFt	Cost Share percent of actual amount			Cost Share percent of actual amount					Actual
CHEMIGATION/FERTIGATION BACKFLOW PREVENTION SYSTEM	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 1,500.00	$ 1,800.00	Actual
PRECISION AGRICHEMICAL APPLICATION TIER-1. GPS guidance	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 2,400.00	$ 2,880.00	Actual
PRECISION AGRICHEMICAL APPLICATION TIER-2. Automatic Application Rate Control	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 1,800.00	$ 2,160.00	Actual
PRECISION AGRICHEMICAL APPLICATION TIER-3. Boom section control	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 1,800.00	$ 2,160.00	Actual

Construction and Building Materials (Bricks, Concrete, Lumber, Ponds, Stream Restoration, Micro-Irrigation)

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
ABANDONED WELL CLOSURE	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 1,500.00	$ 1,800.00	Actual
AGRICULTURAL POND - Sediment Removal Only	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
AGRICULTURAL POND RESTORATION/REPAIR	Job	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 15,000.00	$ 18,000.00	Actual
AGRICULTURAL POND RESTORATION/REPAIR-Engineering	Job	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
ANIMAL GUARD-flap gate	Each	~~$4.00~~			$4.39			$ -	$ -	Average
BRICK-8"	Each	~~$0.51~~			$0.56			$ -	$ -	Average
CATCH BASIN	Job	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 1,466.00	$ 1,760.00	Actual
CLEARING-removing woods	Acre	~~$ 850.00~~	~~$ 1,000.00~~	~~$ 500.00~~	$ 933.30	$ 1,098.00	$ 549.00	$ -	$ -	Average
CONCRETE BLOCK-12"	Each	~~$2.53~~			$2.78			$ -	$ -	Average
CONCRETE BLOCK-6" or 8"	Each	~~$2.09~~			$2.29			$ -	$ -	Average
CONCRETE-non-reinforced <= 5 CuYd	CuYd	~~$330.00~~			$362.34			$ -	$ -	Average
CONCRETE-non-reinforced > 5 CuYd	CuYd	~~$247.50~~			$271.76			$ -	$ -	Average
CONCRETE-reinforced	CuYd	~~$423.50~~			$465.00			$ -	$ -	Average
FENCE-silt, install/maintain	LinFt	~~$1.50~~			$1.65			$ -	$ -	Average
FILTER CLOTH-geotextile fabric	SqYd	~~$2.25~~			$2.47			$ -	$ -	Average
Footer logs (installed)	Each	~~$100.00~~			$109.80			$ -	$ -	Average
GRATE-removable 24"	Each	~~$44.00~~			$48.31			$ -	$ -	Average
GRATE-removable 30"	Each	~~$53.00~~			$58.19			$ -	$ -	Average
GRATE-removable 36"	Each	~~$59.00~~			$64.78			$ -	$ -	Average
GUTTERS-assembled alum/vinyl 5"	LinFt	~~$ 1.28~~	~~$ 2.41~~	~~$ 1.28~~	$ 1.41	$ 2.64	$ 1.41	$ -	$ -	Average
GUTTERS-assembled alum/vinyl 6"	LinFt	~~$ 1.50~~	~~$ 3.58~~	~~$ 1.50~~	$ 1.64	$ 3.94	$ 1.64	$ -	$ -	Average
GUTTERS-downspouts	LinFt	~~$ 3.21~~	~~$ 4.28~~	~~$ 3.21~~	$ 3.52	$ 4.70	$ 3.52	$ -	$ -	Average
GUTTERS-seamless alum 5"	LinFt	~~$ 1.87~~	~~$ 4.28~~	~~$ 1.87~~	$ 2.06	$ 4.70	$ 2.06	$ -	$ -	Average
GUTTERS-seamless alum 6"	LinFt	~~$ 3.21~~	~~$ 6.42~~	~~$ 3.21~~	$ 3.52	$ 7.05	$ 3.52	$ -	$ -	Average
JUNCTION BOX-concrete	Each	~~$77.00~~			$84.55			$ -	$ -	Average

LUMBER-post, pressure treat 4"x4"	LinFt	~~$1.61~~			$1.76			$ -	$ -	Average
LUMBER-post, pressure treat 4"x6"	LinFt	~~$1.87~~			$2.06			$ -	$ -	Average
LUMBER-post, pressure treat 6"x6"	LinFt	~~$ 4.17~~	~~$ 3.21~~	~~$ 3.21~~	$ 4.58	$ 3.52	$ 3.52	$ -	$ -	Average
LUMBER-pressure treated boards	BdFt	~~$1.82~~			$2.00			$ -	$ -	Average
MATTING-erosion control, installed	SqYd	~~$6.00~~			$6.59			$ -	$ -	Average
MATTING-excelsior, installed	SqYd	~~$0.95~~			$1.04			$ -	$ -	Average
~~MICROIRRIGATION - Drip Tape - Prssure-Compensating~~	~~Acre~~	~~$243.60~~			~~$243.60~~			~~$ 25,000.00~~	~~$ 30,000.00~~	~~Average~~
~~MICROIRRIGATION - Poly Tubing w/ Emitters~~	~~Acre~~	~~$840.00~~			~~$840.00~~			~~$ 25,000.00~~	~~$ 30,000.00~~	~~Average~~
~~MICROIRRIGATION - Poly Tubing w/ Microhoses~~	~~Acre~~	~~$1,474.20~~			~~$1,474.20~~			~~$ 25,000.00~~	~~$ 30,000.00~~	~~Average~~
~~MICROIRRIGATION - Micro Pump and Filter~~	~~Each~~	~~$ 8,118.75~~	~~$ 8,118.75~~	~~$ 8,818.75~~	~~$ 8,118.75~~	~~$ 8,118.75~~	~~$ 8,818.75~~	~~$ 25,000.00~~	~~$ 30,000.00~~	~~Average~~
MICROIRRIGATION SYSTEM	Job	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 25,000.00	$ 30,000.00	Actual
Sediment Filter Bags	LinFt	~~$1.00~~			$1.10				$ -	Actual
Snow/Ice Guard	Job	~~$3.00~~			$3.29			$ -	$ -	Average
STEEL-reinforce, wire fabric/rebar	Lb	~~$ 0.81~~	~~$ 0.94~~	~~$ 0.81~~	$ 0.89	$ 1.03	$ 0.89	$ -	$ -	Average
STONE-Boulders (installed)	Ton	~~$77.00~~			$84.55			$ -	$ -	Average
STONE-gravel	Ton	~~$ 31.00~~	~~$ 31.00~~	~~$ 37.00~~	$ 34.04	$ 34.04	$ 40.63	$ -	$ -	Average
STONE-riprap	Ton	~~$ 55.69~~	~~$ 55.69~~	~~$ 62.65~~	$ 61.15	$ 61.15	$ 68.79	$ -	$ -	Average
STREAM RESTORATION	Job	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 50,000.00	$ 60,000.00	Actual
STREAM RESTORATION-Root Wads, installed (avail onsite)	Each	~~$50.00~~			$54.90			$ -	$ -	Average
STREAM RESTORATION-Root Wads, installed (not avail onsite)	Each	~~$80.00~~			$87.84			$ -	$ -	Average
STREAM RESTORATION-Tree Revetments, installed	LinFt	~~$30.00~~			$32.94			$ -	$ -	Average
USE EXCLUSION FENCE - includes gates and signs	LinFt	~~$1.20~~			$1.32			$ -	$ -	Average

Pipes and Trash Guards

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
PIPE FITTING-Corrugated Polyethylene 10"	Each		~~$20.63~~			$22.66		$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 12"	Each		~~$26.02~~			$28.56		$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 15"	Each		~~$43.34~~			$47.59		$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 18"	Each		~~$87.09~~			$95.63		$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 4"	Each		~~$3.25~~			$3.57		$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 5"	Each		~~$4.55~~			$5.00		$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 6"	Each		~~$7.45~~			$8.18		$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 8"	Each		~~$15.20~~			$16.68		$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride <=3"	Each		~~$3.55~~			$3.90		$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 10"	Each		~~$118.25~~			$129.84		$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 12"	Each		~~$159.64~~			$175.28		$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 4"	Each		~~$7.10~~			$7.79		$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 6"	Each		~~$23.65~~			$25.97		$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 8"	Each		~~$76.86~~			$84.40		$ -	$ -	Average
PIPE FITTING-stormwater 12"	Each		~~$125.35~~			$137.63		$ -	$ -	Average
PIPE FITTING-stormwater 24"	Each		~~$342.93~~			$376.53		$ -	$ -	Average
PIPE-bent support for outlet	Each		~~$59.13~~			$64.92		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 10"/16 ga	LinFt		~~$19.46~~			$21.37		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 12"/16 ga	LinFt		~~$25.53~~			$28.03		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 6"/16 ga	LinFt		~~$15.85~~			$17.40		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 8"/16 ga	LinFt		~~$18.12~~			$19.89		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 10"/16 ga	LinFt		~~$17.60~~			$19.32		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 12"/16 ga	LinFt		~~$22.44~~			$24.64		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 6"/16 ga	LinFt		~~$14.78~~			$16.23		$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 8"/16 ga	LinFt		~~$16.56~~			$18.18		$ -	$ -	Average

PIPE-Coated Corrugated Steel rerolled, coated 15"/16 ga	LinFt	~~$18.15~~	$19.93	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 18"/16 ga	LinFt	~~$20.30~~	$22.29	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 24"/16 ga	LinFt	~~$24.02~~	$26.37	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 30"/16 ga	LinFt	~~$31.17~~	$34.23	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 36"/14 ga	LinFt	~~$35.57~~	$39.06	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 15"/16 ga	LinFt	~~$16.25~~	$17.84	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 18"/16 ga	LinFt	~~$17.67~~	$19.40	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 24"/16 ga	LinFt	~~$20.56~~	$22.58	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 30"/16 ga	LinFt	~~$23.45~~	$25.75	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 36"/14 ga	LinFt	~~$33.88~~	$37.20	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 10"/16 ga	LinFt	~~$21.53~~	$23.64	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 12"/16 ga	LinFt	~~$25.28~~	$27.76	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 6"/16 ga	LinFt	~~$16.80~~	$18.45	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 8"/16 ga	LinFt	~~$18.47~~	$20.28	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 15"/16 ga	LinFt	~~$23.52~~	$25.82	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 18"/14 ga	LinFt	~~$30.71~~	$33.72	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 24"/14 ga	LinFt	~~$38.44~~	$42.21	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 30"/14 ga	LinFt	~~$45.92~~	$50.42	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 36"/14 ga	LinFt	~~$56.03~~	$61.52	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 1/2"x2 2/3", 15"/16 ga	LinFt	~~$20.10~~	$22.07	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 12"/16 ga	LinFt	~~$16.15~~	$17.74	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 18"/16 ga	LinFt	~~$23.79~~	$26.12	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 24"/14 ga	LinFt	~~$39.66~~	$43.55	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 30"/14 ga	LinFt	~~$48.88~~	$53.68	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 36"/14 ga	LinFt	~~$58.58~~	$64.32	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 42"/12 ga	LinFt	~~$85.87~~	$94.29	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 48"/12 ga	LinFt	~~$97.19~~	$106.71	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 54"/12 ga	LinFt	~~$109.75~~	$120.50	$ -	$ -	Average

PIPE-Corrugated Metal Pipw 60"/12 ga	LinFt	~~$145.36~~	$159.61	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 66"/12 ga	LinFt	~~$159.19~~	$174.79	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 72"/12 ga	LinFt	~~$174.27~~	$191.34	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 10"	LinFt	~~$3.90~~	$4.28	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 12"	LinFt	~~$6.50~~	$7.14	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 15"	LinFt	~~$17.15~~	$18.83	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 18"	LinFt	~~$19.51~~	$21.42	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 24"	LinFt	~~$23.06~~	$25.32	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 36"	LinFt	~~$33.70~~	$37.00	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 4"	LinFt	~~$1.77~~	$1.95	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 5"	LinFt	~~$2.13~~	$2.34	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 6"	LinFt	~~$2.37~~	$2.60	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 8"	LinFt	~~$3.31~~	$3.64	$ -	$ -	Average
PIPE-Hickenbottom outlet 10"	Each	~~$50.26~~	$55.18	$ -	$ -	Average
PIPE-Hickenbottom outlet 6"	Each	~~$24.24~~	$26.62	$ -	$ -	Average
PIPE-Hickenbottom outlet 8"	Each	~~$40.21~~	$44.15	$ -	$ -	Average
PIPE-Surface inlet tee (6 in)	Each	~~$22.24~~	$24.42	$ -	$ -	Average
PIPE-Surface inlet tee (8 in)	Each	~~$37.14~~	$40.78	$ -	$ -	Average
PIPE-Surface inlet tee (10 in)	Each	~~$54.12~~	$59.42	$ -	$ -	Average
PIPE-perf drain w/filter cloth	LinFt	~~$2.19~~	$2.40	$ -	$ -	Average
PIPE-perf drain w/gravel filter	LinFt	~~$2.90~~	$3.18	$ -	$ -	Average
PIPE-perf drain w/o filter	LinFt	~~$2.13~~	$2.34	$ -	$ -	Average
PIPE-Polyvinyl Chloride 1 1/2" or less	LinFt	~~$2.07~~	$2.27	$ -	$ -	Average
PIPE-Polyvinyl Chloride 10"	LinFt	~~$14.19~~	$15.58	$ -	$ -	Average
PIPE-Polyvinyl Chloride 12"	LinFt	~~$18.92~~	$20.77	$ -	$ -	Average
PIPE-Polyvinyl Chloride 2"	LinFt	~~$2.31~~	$2.53	$ -	$ -	Average
PIPE-Polyvinyl Chloride 3"	LinFt	~~$2.42~~	$2.66	$ -	$ -	Average
PIPE-Polyvinyl Chloride 4"	LinFt	~~$3.55~~	$3.90	$ -	$ -	Average

PIPE-Polyvinyl Chloride 6"	LinFt	~~$5.44~~	$5.97	$ -	$ -	Average
PIPE-Polyvinyl Chloride 8"	LinFt	~~$9.46~~	$10.39	$ -	$ -	Average
PIPE-Polyvinyl Chloride, quick coupling 3/4"-1"	Each	~~$18.92~~	$20.77	$ -	$ -	Average
PIPE-RC 12", 4' sections	LinFt	~~$15.37~~	$16.88	$ -	$ -	Average
PIPE-RC 15", 4' sections	LinFt	~~$16.56~~	$18.18	$ -	$ -	Average
PIPE-RC 18", 4' sections	LinFt	~~$18.92~~	$20.77	$ -	$ -	Average
PIPE-RC 24", 4' sections	LinFt	~~$26.02~~	$28.56	$ -	$ -	Average
PIPE-RC 30", 4' sections	LinFt	~~$33.11~~	$36.35	$ -	$ -	Average
PIPE-RC 36", 4' sections	LinFt	~~$44.94~~	$49.34	$ -	$ -	Average
PIPE-Stormwater PipeP 10"/smooth in/cor ex	LinFt	~~$14.19~~	$15.58	$ -	$ -	Average
PIPE-Stormwater PipeP 12"/smooth in/cor ex	LinFt	~~$18.68~~	$20.51	$ -	$ -	Average
PIPE-Stormwater PipeP 15"/smooth in/cor ex	LinFt	~~$19.98~~	$21.94	$ -	$ -	Average
PIPE-Stormwater PipeP 18"/smooth in/cor ex	LinFt	~~$22.17~~	$24.34	$ -	$ -	Average
PIPE-Stormwater PipeP 24"/smooth in/cor ex	LinFt	~~$28.38~~	$31.16	$ -	$ -	Average
PIPE-water supply/fittings, <=2"	LinFt	~~$1.71~~	$1.87	$ -	$ -	Average
TEE-8"x8"x12"x20' w/1' stub/16 ga	Each	~~$304.70~~	$334.56	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 15"	Each	~~$116.05~~	$127.42	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 24"	Each	~~$157.30~~	$172.72	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 30"	Each	~~$259.05~~	$284.44	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 36"	Each	~~$279.40~~	$306.78	$ -	$ -	Average

TRASH GD-Corrugated Aluminum 48"	Each	~~$321.75~~	$353.28	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 54"	Each	~~$363.55~~	$399.18	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 12"	Each	~~$40.70~~	$44.69	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 15"	Each	~~$69.85~~	$76.70	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 18"	Each	~~$81.40~~	$89.38	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 24"	Each	~~$92.95~~	$102.06	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 30"	Each	~~$112.20~~	$123.20	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 36"	Each	~~$139.70~~	$153.39	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 42"	Each	~~$227.70~~	$250.01	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 48"	Each	~~$260.15~~	$285.64	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 60"	Each	~~$435.60~~	$478.29	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 72"	Each	~~$622.60~~	$683.61	$ -	$ -	Average

Establishment of Trees and Riparian Buffers

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
TREE ESTABLISHMENT - Bedding (Cropland Conversion to Trees ONLY)	Acre	~~$85.00~~			$93.33			$ -	$ -	Average
TREE ESTABLISHMENT - Chemical Release	Acre	~~$100.00~~			$109.80			$ -	$ -	Average
TREE ESTABLISHMENT - Chemical Site Prep	Acre	~~$120.00~~			$131.76			$ -	$ -	Average
TREE ESTABLISHMENT - Disking	Acre	~~$40.00~~			$43.92			$ -	$ -	Average
TREE ESTABLISHMENT - Mowing/Bushhogging	Acre	~~$40.00~~			$43.92			$ -	$ -	Average
TREE ESTABLISMENT - Prescribed Burning	Acre	~~$30.00~~			$32.94			$ -	$ -	Average
TREE ESTABLISHMENT - Scalping/Furrowing	Acre	~~$60.00~~			$65.88			$ -	$ -	Average
TREE ESTABLISHMENT - Subsoiling	Acre	~~$25.00~~			$27.45			$ -	$ -	Average
TREE-plant, hardwood	Acre	~~$175.00~~			$192.15			$ -	$ -	Average
TREE-plant, loblolly and shortleaf pine	Acre	~~$85.00~~			$93.33			$ -	$ -	Average
TREE-plant, longleaf pine	Acre	~~$145.00~~			$159.21			$ -	$ -	Average

Establishment of Vegetation, Pasture Renovation and Cropland Conversion (Grass)

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
COVER CROP	Acre	$50.00			$50.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 1 - 60% Residue	Acre	$20.00			$20.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 2 - 80% Residue	Acre	$40.00			$40.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 3 - Conventional 60% Residue	Acre	$110.00			$110.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 4 - Conventional 80% Residue	Acre	$140.00			$140.00			$ -	$ -	Average
SOD-BASED ROTATION - Tier 1 - 3 yr/17 mos	Acre	$100.00			$100.00			$ -	$ -	Average
SOD-BASED ROTATION - Tier 2 - 4 yr/29 mos	Acre	$173.00			$173.00			$ -	$ -	Average
SOD-BASED ROTATION - tier 3 - 5 yr/41 mos	Acre	$233.00			$233.00			$ -	$ -	Average

CROPLAND CONVERSION - establish grass/wildlife plants	Acre	~~$300.00~~			$329.40			$ -	$ -	Average
PASTURE RENOVATION	Acre	~~$300.00~~			$329.40			$ -	$ -	Actual
VEGETATION-bag lime, seed and fertlizer	Acre	~~$700.00~~			$768.60			$ -	$ -	Average
VEGETATION-Bare Root Seedlings	Each	~~$1.80~~			$1.98			$ -	$ -	Average
VEGETATION-bulk lime, seed and fertilizer	Acre	~~$550.00~~			$603.90			$ -	$ -	Average
VEGETATION-compost blanket	Sq Ft	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
VEGETATION-compost sock	Lin Ft	~~$3.00~~			$3.29			$ -	$ -	Actual
VEGETATION-establish in strips	Acre	~~$150.00~~			$164.70			$ -	$ -	Average
VEGETATION-establish, Christmas tree plantations	Acre	~~$210.00~~			$230.58			$ -	$ -	Average
VEGETATION-establish perennial grasses and/or legumes for Controlled Livestock Lounging Areas ONLY	Acre	~~$144.00~~			$158.11			$ -	$ -	Average
VEGETATION-establish, hydroseed	Acre	~~$1,700.00~~			$1,866.60			$ -	$ -	Average
VEGETATION-establish, native VEGETATION	Acre	~~$620.00~~			$680.76			$ -	$ -	Average
VEGETATION-Livestakes (installed)	Each	~~$1.00~~			$1.10			$ -	$ -	Average
VEGETATION-mulch, matting/install	SqYd	~~$0.95~~			$1.04			$ -	$ -	Average
VEGETATION-mulch, netting	SqFt	~~$0.07~~			$0.08			$ -	$ -	Average
VEGETATION-mulch, small grain straw	Acre	~~$550.00~~			$603.90			$ -	$ -	Average
VEGETATION-Odor Control, Switch Grass Sprig	Each	~~$3.05~~			$3.35			$ -	$ -	Average
VEGETATION-seedbed prep	Acre	~~$ 50.00~~	~~$ 50.00~~	~~$ 100.00~~	$ 54.90	$ 54.90	$ 109.80	$ -	$ -	Average
VEGETATION-seedbed prep, strips/crop conv	Acre	~~$30.00~~			$32.94			$ -	$ -	Average
VEGETATION-shrubs	Each	~~$1.80~~			$1.98			$ -	$ -	Average

Grading and Earth Moving Components										
Component	**Unit Type**	**AREA 1 Unit Cost**	**AREA 2 Unit Cost**	**AREA 3 Unit Cost**	**AREA 1 Unit Cost**	**AREA 2 Unit Cost**	**AREA 3 Unit Cost**	**Maximum Cost Share 75 Percent**	**Maximum Cost Share 90 Percent**	**Cost Type**
EARTH FILL-adjacent, sheepsfoot rolled	CuYd	~~$ 3.30~~	~~$ 4.40~~	~~$ 4.40~~	$ 3.62	$ 4.83	$ 4.83	$ -	$ -	Average
EARTH FILL-hauled	CuYd	~~$9.64~~			$10.58			$ -	$ -	Average
EARTH FILL-hauled, sheepsfoot rolled	CuYd	~~$ 4.40~~	~~$ 6.05~~	~~$ 8.25~~	$ 4.83	$ 6.64	$ 9.06	$ -	$ -	Average
EXCAVATION-spring development (Backhoe)	Hr	~~$ 82.50~~	~~$ 71.50~~	~~$ 55.00~~	$ 90.59	$ 78.51	$ 60.39	$ -	$ -	Average
EXCAVATION-spring development (Trackhoe)	Hr	~~$ 110.00~~	~~$ 137.50~~	~~$ 110.00~~	$ 120.78	$ 150.98	$ 120.78	$ -	$ -	Average
EXCAVATION-w/spoil removal	CuYd	~~$ 2.20~~	~~$ 3.30~~	~~$ 2.48~~	$ 2.42	$ 3.62	$ 2.72	$ -	$ -	Average
GRADING-extra heavy 9"-12" avg	Acre	~~$2,900.00~~			$3,184.20			$ -	$ -	Average
GRADING-heavy, 6"-9" avg	Acre	~~$2,500.00~~			$2,745.00			$ -	$ -	Average
GRADING-light, 1" to 3" avg	Acre	~~$1,700.00~~			$1,866.60			$ -	$ -	Average
GRADING-maximum heavy >12" avg	Acre	~~$3,300.00~~			$3,623.40			$ -	$ -	Average
GRADING-medium, 3" to 6" avg	Acre	~~$2,100.00~~			$2,305.80			$ -	$ -	Average
GRADING-minimum, <=1/4 acre	Job	~~$1,000.00~~			$1,098.00			$ -	$ -	Average
LAND SMOOTHING - heavy	Acre	~~$ 200.00~~	~~$ 200.00~~	~~$ 250.00~~	$ 219.60	$ 219.60	$ 274.50	$ -	$ -	Average
LAND SMOOTHING - light	Acre	~~$ 150.00~~	~~$ 150.00~~	~~$ 200.00~~	$ 164.70	$ 164.70	$ 219.60	$ -	$ -	Average
SMOOTH/SHAPE-diversion	LinFt	~~$ 2.00~~	~~$ 1.00~~	~~$ 1.00~~	$ 2.20	$ 1.10	$ 1.10	$ -	$ -	Average
SMOOTH/SHAPE-terrace	LinFt	~~$1.00~~			$1.10			$ -	$ -	Average
SMOOTH/SHAPE-tractor disk/blade	Acre	~~$250.00~~			$274.50			$ -	$ -	Average

Incentives										
Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
~~INCENTIVE - Crop Residue Management~~	~~Acre~~	~~$15.00~~			~~$15.00~~			~~$ 15,000.00~~	~~$ 15,000.00~~	~~Flat Rate~~
~~INCENTIVE - Cover Crop~~	~~Acre~~	~~$40.00~~			~~$40.00~~			~~$ 15,000.00~~	~~$ 15,000.00~~	~~Flat Rate~~
INCENTIVE - Maure/Litter Transport <= 20 mi.	Ton/CuYd	~~$4 / $2~~			$4.39 / $2.20			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Maure/Litter Transport >= 50 mi.	Ton/CuYd	~~$8 / $4~~			$8.78 / $4.39			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Maure/Litter Transport 20-50 mi.	Ton/CuYd	~~$6 / $3~~			$6.59 / $3.29			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Nutrient Management 3yrs	Acre/Year	~~$6.00~~			$6.59			$ -	$ -	Flat Rate
INCENTIVE - Precision Nutrient Management	Acre/Year	~~$15.00~~			$16.47			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Prescribed Grazing	Acre/Year	~~$30.00~~			$32.94			$ 15,000.00	$ 15,000.00	Flat Rate
~~INCENTIVE 3 yr con till, grain/cotton~~	~~Acre~~	~~60~~	~~60~~	~~60~~	~~60~~	~~60~~	~~60~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE 3 yr con till, peanuts/vegetables~~	~~Acre~~	~~250~~	~~250~~	~~250~~	~~250~~	~~250~~	~~250~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE 3 yr con till, sweet corn~~	~~Acre~~	~~125~~	~~125~~	~~125~~	~~125~~	~~125~~	~~125~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE 3 yr con till, tobacco~~	~~Acre~~	~~500~~	~~500~~	~~500~~	~~500~~	~~500~~	~~500~~	~~15000~~	~~15000~~	~~Flat Rate~~
~~INCENTIVE Nutrient Scavenger Crop - Rye/Tritica~~	~~Acre~~	~~25~~	~~25~~	~~25~~	~~25~~	~~25~~	~~25~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE Nutrient Scavenger Crop - Wheat~~	~~Acre~~	~~20~~	~~20~~	~~20~~	~~20~~	~~20~~	~~20~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE Nutrient Scavenger Crop - Oats/Barley~~	~~Acre~~	~~20~~	~~20~~	~~20~~	~~20~~	~~20~~	~~20~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE residue mgt, Long Term no till~~	~~Acre~~	~~150~~	~~150~~	~~150~~	~~150~~	~~150~~	~~150~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE SBR, 17 mo/4yr~~	~~Acre~~	~~75~~	~~75~~	~~75~~	~~75~~	~~75~~	~~75~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE SBR, 29 mo/4yr~~	~~Acre~~	~~130~~	~~130~~	~~130~~	~~130~~	~~130~~	~~130~~	~~25000~~	~~25000~~	~~Flat Rate~~
~~INCENTIVE SBR, 41 mo/5yr~~	~~Acre~~	~~175~~	~~175~~	~~175~~	~~175~~	~~175~~	~~175~~	~~25000~~	~~25000~~	~~Flat Rate~~

Stream Protection Management										
Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
FENCE - SOLAR CHARGER	Each	~~$275.00~~			$301.95			$ -	$ -	Average
FENCE-3-strand perm, electric, incl. Gates	LinFt	~~$ 2.48~~	~~$ 2.20~~	~~$ 2.20~~	$ 2.72	$ 2.42	$ 2.42	$ -	$ -	Average
FENCE-4+-strand perm, electric, incl. Gates	LinFt	~~$ 2.68~~	~~$ 2.40~~	~~$ 2.40~~	$ 2.94	$ 2.64	$ 2.64	$ -	$ -	Average
FENCE-perm, 3 strand interior, electric or non-electric, incl. Gates	LinFt	~~$2.25~~			$2.47			$ -	$ -	Average
FENCE-perm, non-electric, incl. Gates	LinFt	~~$ 3.24~~	~~$ 2.62~~	~~$ 2.62~~	$ 3.56	$ 2.88	$ 2.88	$ -	$ -	Average
FENCE-perm, streamside/floodplain, incl. Gates	LinFt	~~$1.20~~			$1.32			$ -	$ -	Average
FENCE-temporary, portable, electric	LinFt	~~$0.10~~			$0.11			$ -	$ -	Average
LIVESTOCK FEEDING AREAS	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 4,200.00	$ 5,040.00	Actual
LIVESTOCK FEEDING AREAS- pushwall	Each	Cost Share percent of actual amount			Cost Share percent of actual amount					Actual
PUMP-housing, fiberglass/site built	Each	~~$350.00~~			$384.30			$ -	$ -	Average
PUMP-solar powered water	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
~~PUMP-water supply~~	~~Each~~	~~Cost Share percent of actual amount not to exceed~~			~~Cost Share percent of actual amount not to exceed~~			~~$ 2,000.00~~	~~$ 2,400.00~~	~~Actual~~
PUMP-water supply	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 3,700.00	$ 4,440.00	Actual
Spring Header Casing	Each	~~$220.00~~			$241.56			$ -	$ -	Average
STOCK TRAIL-existing, excavate/grade	LinFt	~~$1.10~~			$1.21			$ -	$ -	Average
STOCK TRAIL-new, excavate/grade	LinFt	~~$2.20~~			$2.42			$ -	$ -	Average
STREAM CROSS-ford, ex 80-120 cuft	Job	~~$1,100.00~~			$1,207.80			$ -	$ -	Average
STREAM CROSS-ford, ex<80 cuft	Job	~~$880.00~~			$966.24			$ -	$ -	Average
STREAM CROSS-ford, ex>120 cuft	Job	~~$1,320.00~~			$1,449.36			$ -	$ -	Average
~~STREAM PROTECTION WELL-construction/head protection~~	~~LinFt~~	~~$13.00~~			~~$13.00~~			~~$ -~~	~~$ -~~	~~Average~~
STREAM PROTECTION WELL-construction/head protection	LinFt	$20.00			$20.00			$ -	$ -	Average
STREAM PROTECTION WELL-permit *(only where agriculture is not exempt from well permit fees)*	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
STREAM PROTECTION WELL- Steel casing	LinFt	Cost Share percent of actual amount			Cost Share percent of actual amount					Actual
TANK-temp storage, 1000 gal	Each	~~$486.00~~			$533.63			$ -	$ -	Average

ATTACHMENT 9B

TANK-temp storage, 1500 gal	Each	~~$599.00~~			$657.70			$ -	$ -	Average
TANK- watering (fixed) Continuous Flow Concrete Tank	Each	~~$ 1,200.00~~	~~$ -~~	~~$ -~~	$ 1,317.60	$ -	$ -	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 2-Hole Watering Tank (20 - 28 gal.)	Each	~~$ 940.00~~	~~$ 712.00~~	~~$ 841.00~~	$ 1,032.12	$ 781.78	$ 923.42	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 4-Hole Watering Tank (33 gal.)	Each	~~$ 1,052.00~~	~~$ 722.00~~	~~$ 829.00~~	$ 1,155.10	$ 792.76	$ 910.24	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 2-Hole Watering Tank (44 gal.)	Each	~~$ 1,189.00~~	~~$ 915.00~~	~~$ 956.00~~	$ 1,305.52	$ 1,004.67	$ 1,049.69	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 4-Hole Watering Tank (70 gal.)	Each	~~$ 1,002.00~~	~~$ 1,115.00~~	~~$ 1,150.00~~	$ 1,100.20	$ 1,224.27	$ 1,262.70	$ -	$ -	Average
TANK-watering (portable) /Pressurized Waterer	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
VALVE-float, automatic, brass	Each	~~$24.00~~			$26.35			$ -	$ -	Average
WATER SUPPLY-municipal tap	Job	~~$1,066.00~~			$1,170.47			$ 800.00	$ 960.00	Actual
WINDMILL	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 3,200.00	$ 3,840.00	Actual

Waste Management Measures

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
BIOVATOR - Rotary Composter	LinFt	~~$1,140.00~~			$1,251.72			$ -	$ -	Actual
COMPOSTER BINS ONLY -wood, inside or outside storage structure, area of bin	SqFt	~~$5.50~~			$6.04			$ -	$ -	Average
COMPOSTER-lumber/roof	SqFt	~~$ 9.90~~	~~$ 8.25~~	~~$ 8.25~~	$ 10.87	$ 9.06	$ 9.06	$ -	$ -	Average
DRY STACK-dairy/beef/poultry, block	SqFt	~~$7.26~~			$7.97					Average
DRY STACK-dairy/beef/poultry, wood/metal	SqFt	~~$ 10.89~~	~~$ 9.08~~	~~$ 9.08~~	$ 11.96	$ 9.96	$ 9.96	$ 33,000.00	$ 39,600.00	Average
DRY STACK-truss arch, fabric roofed	SqFt	~~$5.23~~			$5.74					Average
FEED/WASTE STRUCTURE	SqFt	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 27,500.00	$ 33,000.00	Average
FORCED AERATION COMPOST SYSTEM 600 sq ft to 1450 sq ft w/ Storage	SqFt	~~$193.33~~			$212.28			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM > 1450 sq ft w/ Storage	SqFt	~~$166.67~~			$183.00			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM < 720 sq ft w/Grinder and Storage	SqFt	~~$273.33~~			$300.12			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM 720 sq ft to 1440 sq ft w/Grinder and Storage	SqFt	~~$213.33~~			$234.24			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM > 1450 sq ft w/ Grinder and Storage	SqFt	~~$180.00~~			$197.64			$ -	$ -	Average
FREEZER-installed	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 2,500.00	$ 3,000.00	Actual
GASIFICATION - 1,200 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 55,020.00	$ 66,024.00	Actual
GASIFICATION - 275 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 31,175.00	$ 37,409.00	Actual
GASIFICATION - 400 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 39,374.00	$ 47,249.00	Actual
GASIFICATION - 800 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 46,906.00	$ 56,287.00	Actual
INCINERATOR-<=250 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 6,293.00	$ 7,552.00	Actual
INCINERATOR-1200 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 9,577.00	$ 11,492.00	Actual
INCINERATOR-400 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 6,695.00	$ 8,034.00	Actual
INCINERATOR-500 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 8,094.00	$ 9,713.00	Actual
INCINERATOR-650/700 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 8,517.00	$ 10,220.00	Actual
INCINERATOR-800 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			Cost Share percent of actual amount not to exceed			$ 8,899.00	$ 10,679.00	Actual
INCINERATOR-Roof w/ storm collar	SqFt	~~$12.71~~			$13.96			$ -	$ -	Actual
Lagoon Biosolids Removal	Gallon	~~$0.02~~			$0.02			$ 25,000.00	$ 25,000.00	Flat Rate

PUMP-manure/chopper/agitator	Each	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 5,339.00	$ 6,407.00	Actual
RAMP-push off, waste mgt	Each	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 4,000.00	$ 4,800.00	Actual
ROTARY DRUMS-2900 gal, w/drive motor	Each	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 18,000.00	$ 21,600.00	Actual
ROTARY DRUMS-2900 gal, w/forced aeration system	Each	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 22,400.00	$ 26,880.00	Actual
SOLIDS SEPARATION FROM TANK-BASED AQUACULTURE	Each	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 20,000.00	$ 24,000.00	Actual
WASTE APPLICATION - poultry litter spreader	Each	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 10,500.00	$ 12,600.00	Actual
WASTE APPLICATION - system	Job	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 35,000.00	$ 42,000.00	Actual
WASTE IMPOUNDMENT - closure	Job	Cost Share percent of actual amount not to exceed	Cost Share percent of actual amount not to exceed	$ 75,000.00	$ 90,000.00	Actual

Water Control Structures

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
ANTISEEP COLL-alum, 12"-18" pipe	Each	~~$128.70~~			$141.31			$ -	$ -	Average
ANTISEEP COLL-alum, 24" pipe	Each	~~$157.30~~			$172.72			$ -	$ -	Average
ANTISEEP COLL-alum, 30" pipe	Each	~~$178.75~~			$196.27			$ -	$ -	Average
ANTISEEP COLL-alum, 36" pipe	Each	~~$207.35~~			$227.67			$ -	$ -	Average
ANTISEEP COLL-alum, 42" pipe	Each	~~$257.40~~			$282.63			$ -	$ -	Average
ANTISEEP COLL-alum, 48" pipe	Each	~~$293.15~~			$321.88			$ -	$ -	Average
ANTISEEP COLL-alum, 54" pipe	Each	~~$328.90~~			$361.13			$ -	$ -	Average
ANTISEEP COLL-alum, 60" pipe	Each	~~$371.80~~			$408.24			$ -	$ -	Average
ANTISEEP COLL-alum, 72" pipe	Each	~~$471.90~~			$518.15			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 48"x48" (12"pipe separate costs)	Each	~~$150.80~~			$165.58			$ -	$ -	Average
ANTISEEP COLL- Corrugated Aluminum 54" x 54" (15" pipe separate costs)	Each	~~$248.30~~			$272.63			$ -	$ -	Average
ANTISEEP COLL- Corrugated Aluminum 60" x 60" (18" pipe separate costs)	Each	~~$261.30~~			$286.91			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 72"x72" (24" pipe separate costs)	Each	~~$336.70~~			$369.70			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 78" x 78" (30" pipe separate costs)	Each	~~$374.40~~			$411.09			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 84" x 84" (36" pipe separate costs)	Each	~~$520.00~~			$570.96			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 90" x 90" (42" pipe separate costs)	Each	~~$522.60~~			$573.81			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 96" x 96" (48" pipe separate costs)	Each	~~$591.50~~			$649.47			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 108" x 108" (60" pipe separate costs)	Each	~~$655.20~~			$719.41			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 120" x 120" (72" pipe separate costs)	Each	~~$730.60~~			$802.20			$ -	$ -	Average
ANTISEEP COLL-Polyvinyl Chloride 48"x48"	Each	~~$75.26~~			$82.64			$ -	$ -	Average
ANTISEEP COLL-steel pipe 42"x42"-48"x48"	Each	~~$92.95~~			$102.06			$ -	$ -	Average
ANTISEEP COLL-steel pipe 56"x56"-72"x72"	Each	~~$207.35~~			$227.67			$ -	$ -	Average
ANTISEEP COLL-steel pipe 78"x78"-90"x90"	Each	~~$514.80~~			$565.25			$ -	$ -	Average
FACE PLATE-installed	Each	~~$265.00~~			$290.97			$ -	$ -	Average
GATE-shear, alum, 10'x3/4" lift rod	Each	~~$207.35~~			$227.67			$ -	$ -	Average

GATE-shear, Coated Corrugated Steel w/ frame/rod 10"	Each	~~$649.22~~	$712.84	$ -	$ -	Average
GATE-shear, Coated Corrugated Steel w/ frame/rod 12"	Each	~~$1,215.50~~	$1,334.62	$ -	$ -	Average
GATE-shear, Coated Corrugated Steel w/ frame/rod 6"	Each	~~$387.53~~	$425.51	$ -	$ -	Average
GATE-shear, Coated Corrugated Steel w/ frame/rod 8"	Each	~~$590.59~~	$648.47	$ -	$ -	Average
GATE-shear, Polyvinyl Chloride pipe	Each	~~$268.84~~	$295.19	$ -	$ -	Average
GATE-slide, Polyvinyl Chloride pipe 12"	Each	~~$1,716.00~~	$1,884.17	$ -	$ -	Average
GATE-slide, Polyvinyl Chloride pipe 8"	Each	~~$649.22~~	$712.84	$ -	$ -	Average
HEADWALL-aluminum	SqFt	~~$18.59~~	$20.41	$ -	$ -	Average
HEADWALL-concrete	CuYd	~~$286.00~~	$314.03	$ -	$ -	Average
HEADWALL-sand cement bag >=60 lb	Bag	~~$3.72~~	$4.08	$ -	$ -	Average
RISER-Corrugated Aluminum 15"-18"/16 ga	LinFt	~~$43.04~~	$47.26	$ -	$ -	Average
RISER-Corrugated Aluminum 21"-24"/16 ga	LinFt	~~$64.56~~	$70.89	$ -	$ -	Average
RISER-Corrugated Aluminum 30"-36"/14 ga	LinFt	~~$103.00~~	$113.09	$ -	$ -	Average
RISER-Corrugated Aluminum perf 15"-18"/16 ga	LinFt	~~$47.65~~	$52.32	$ -	$ -	Average
RISER-Corrugated Aluminum perf 21"-24"/16 ga	LinFt	~~$69.18~~	$75.96	$ -	$ -	Average
RISER-Corrugated Aluminum perf 30"-36"/14 ga	LinFt	~~$107.61~~	$118.15	$ -	$ -	Average
RISER-Coated Corrugated Steel 15"-21"/16 ga	LinFt	~~$41.51~~	$45.57	$ -	$ -	Average
RISER-Coated Corrugated Steel 24"-30"/16 ga	LinFt	~~$61.49~~	$67.52	$ -	$ -	Average
RISER-Coated Corrugated Steel 36"-48"/14 ga	LinFt	~~$129.13~~	$141.78	$ -	$ -	Average
RISER-Coated Corrugated Steel 54"/12 ga	LinFt	~~$129.13~~	$141.78	$ -	$ -	Average
RISER-Coated Corrugated Steel 8"-12"/16 ga	LinFt	~~$26.13~~	$28.69	$ -	$ -	Average
RISER-Coated Corrugated Steel perf 15"-21"/16 gauge	LinFt	~~$46.12~~	$50.64	$ -	$ -	Average
RISER-Coated Corrugated Steel perf 24"-30"/16 gauge	LinFt	~~$66.10~~	$72.58	$ -	$ -	Average
RISER-Coated Corrugated Steel perf 36"-48"/14 gauge	LinFt	~~$132.99~~	$146.02	$ -	$ -	Average

RISER-Coated Corrugated Steel perf 54"/12 gauge	LinFt	~~$132.99~~	$146.02	$ -	$ -	Average
RISER-fb .175" plate 102"	Each	~~$6,135.70~~	$6,737.00	$ -	$ -	Average
RISER-fb .175" plate 108"	Each	~~$6,871.23~~	$7,544.61	$ -	$ -	Average
RISER-fb .175" plate 114"	Each	~~$7,311.79~~	$8,028.35	$ -	$ -	Average
RISER-fb .175" plate 120"	Each	~~$7,756.13~~	$8,516.23	$ -	$ -	Average
RISER-fb 18"/14 ga	Each	~~$949.19~~	$1,042.21	$ -	$ -	Average
RISER-fb 24"/14 ga	Each	~~$1,043.73~~	$1,146.02	$ -	$ -	Average
RISER-fb 30"/14 ga	Each	~~$1,134.49~~	$1,245.67	$ -	$ -	Average
RISER-fb 36"/14 ga	Each	~~$1,565.60~~	$1,719.03	$ -	$ -	Average
RISER-fb 42"/12 ga	Each	~~$1,792.48~~	$1,968.14	$ -	$ -	Average
RISER-fb 48"/12 ga	Each	~~$1,996.70~~	$2,192.38	$ -	$ -	Average
RISER-fb 54"/12 ga	Each	~~$2,318.14~~	$2,545.32	$ -	$ -	Average
RISER-fb 60"/12 ga	Each	~~$2,771.94~~	$3,043.59	$ -	$ -	Average
RISER-fb 66"/12 ga	Each	~~$2,932.66~~	$3,220.06	$ -	$ -	Average
RISER-fb 72"/12 ga	Each	~~$3,441.29~~	$3,778.53	$ -	$ -	Average
RISER-fb 78"/12 ga	Each	~~$3,915.88~~	$4,299.64	$ -	$ -	Average
RISER-fb 84"/10 ga	Each	~~$4,379.13~~	$4,808.29	$ -	$ -	Average
RISER-fb 90"/10 ga	Each	~~$4,883.98~~	$5,362.61	$ -	$ -	Average
RISER-fb 96"/10 ga	Each	~~$5,400.17~~	$5,929.39	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 6"x4'	Each	~~$762.00~~	$836.68	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 6"x5'	Each	~~$816.00~~	$895.97	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 6"x6'	Each	~~$867.00~~	$951.97	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 8"x4'	Each	~~$824.00~~	$904.75	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 8"x5'	Each	~~$941.00~~	$1,033.22	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 8"x6'	Each	~~$972.00~~	$1,067.26	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed WATERGATE 8 in	Each	~~$595.00~~	$653.31	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed WATERGATE 10 in	Each	~~$745.00~~	$818.01	$ -	$ -	Average

For actual cost items, the payment is based on 75 or 90 percent of actual cost, not to exceed the established cost share cap. The cost share cap listed is the maximum amount of cost share reimbursement allowed for that component/BMP.

DRAFT FY 2022 ACSP Average Cost List

Agrichemical Pollution Prevention

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
ABANDONED TREE REMOVAL	Acre	Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
AGRICHEMICAL CONTAINMENT AND MIXING FACILITY	Each	Cost Share percent of actual amount not to exceed			$ 16,500.00	$ 19,800.00	Actual
AGRICHEMICAL HANDLING FACILITY-building - incl. Plumbing, electrical, and misc.	SqFt	$18.30			$ 27,500.00	$ 33,000.00	Average
AGRICHEMICAL HANDLING FACILITY-chemical storage - incl. Block, sealant, purlite, & platform	SqFt	$34.12					Average
AGRICHEMICAL MIXING STATION - Portable	Each	Cost Share percent of actual amount not to exceed			$ 3,500.00	$ 4,200.00	Average
AGRICHEMICAL FACILITY-PUMP- housing, fiberglass/site built	Each	$384.30			$ -	$ -	Average
AGRICHEMICAL FACILITY-PUMP- solar powered water	Each	Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
AGRICHEMICAL FACILITY-PUMP- water supply	Each	Cost Share percent of actual amount not to exceed			$ 3,700.00	$ 4,440.00	Actual
AGRICHEMICAL FACILITY-WATER SUPPLY municiple tap	Job	Cost Share percent of actual amount not to exceed			$ 800.00	$ 960.00	Actual
AGRICHEMICAL FACILITY- WELL construction/head protection	LinFt	$20.00			$ -	$ -	Average
AGRICHEMICAL FACILITY- WELL permit (only where agriculture is not exempt from well permit fees)	Each	Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
AGRICHEMICAL FACILITY- WELL Steel casing	LinFt	Cost Share percent of actual amount					Actual
CHEMIGATION/FERTIGATION BACKFLOW PREVENTION SYSTEM	Each	Cost Share percent of actual amount not to exceed			$ 1,500.00	$ 1,800.00	Actual
PRECISION AGRICHEMICAL APPLICATION TIER-1. GPS guidance	Each	Cost Share percent of actual amount not to exceed			$ 2,400.00	$ 2,880.00	Actual
PRECISION AGRICHEMICAL APPLICATION TIER-2. Automatic Application Rate Control	Each	Cost Share percent of actual amount not to exceed			$ 1,800.00	$ 2,160.00	Actual
PRECISION AGRICHEMICAL APPLICATION TIER-3. Boom section control	Each	Cost Share percent of actual amount not to exceed			$ 1,800.00	$ 2,160.00	Actual

Construction and Building Materials (Bricks, Concrete, Lumber, Ponds, Stream Restoration, Micro-Irrigation)

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
ABANDONED WELL CLOSURE	Each	Cost Share percent of actual amount not to exceed			$ 1,500.00	$ 1,800.00	Actual
AGRICULTURAL POND - Sediment Removal Only	Each	Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
AGRICULTURAL POND RESTORATION/REPAIR	Job	Cost Share percent of actual amount not to exceed			$ 15,000.00	$ 18,000.00	Actual
AGRICULTURAL POND RESTORATION/REPAIR-Engineering	Job	Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
ANIMAL GUARD-flap gate	Each	$4.39			$ -	$ -	Average
BRICK-8"	Each	$0.56			$ -	$ -	Average
CATCH BASIN	Job	Cost Share percent of actual amount not to exceed			$ 1,466.00	$ 1,760.00	Actual
CLEARING-removing woods	Acre	$ 933.30	$ 1,098.00	$ 549.00	$ -	$ -	Average
CONCRETE BLOCK-12"	Each	$2.78			$ -	$ -	Average
CONCRETE BLOCK-6" or 8"	Each	$2.29			$ -	$ -	Average
CONCRETE-non-reinforced <= 5 CuYd	CuYd	$362.34			$ -	$ -	Average

CONCRETE-non-reinforced > 5 CuYd	CuYd	$271.76			$ -	$ -	Average
CONCRETE-reinforced	CuYd	$465.00			$ -	$ -	Average
FENCE-silt, install/maintain	LinFt	$1.65			$ -	$ -	Average
FILTER CLOTH-geotextile fabric	SqYd	$2.47			$ -	$ -	Average
Footer logs (installed)	Each	$109.80			$ -	$ -	Average
GRATE-removable 24"	Each	$48.31			$ -	$ -	Average
GRATE-removable 30"	Each	$58.19			$ -	$ -	Average
GRATE-removable 36"	Each	$64.78			$ -	$ -	Average
GUTTERS-assembled alum/vinyl 5"	LinFt	$ 1.41	$ 2.64	$ 1.41	$ -	$ -	Average
GUTTERS-assembled alum/vinyl 6"	LinFt	$ 1.64	$ 3.94	$ 1.64	$ -	$ -	Average
GUTTERS-downspouts	LinFt	$ 3.52	$ 4.70	$ 3.52	$ -	$ -	Average
GUTTERS-seamless alum 5"	LinFt	$ 2.06	$ 4.70	$ 2.06	$ -	$ -	Average
GUTTERS-seamless alum 6"	LinFt	$ 3.52	$ 7.05	$ 3.52	$ -	$ -	Average
JUNCTION BOX-concrete	Each	$84.55			$ -	$ -	Average
LUMBER-post, pressure treat 4"x4"	LinFt	$1.76			$ -	$ -	Average
LUMBER-post, pressure treat 4"x6"	LinFt	$2.06			$ -	$ -	Average
LUMBER-post, pressure treat 6"x6"	LinFt	$ 4.58	$ 3.52	$ 3.52	$ -	$ -	Average
LUMBER-pressure treated boards	BdFt	$2.00			$ -	$ -	Average
MATTING-erosion control, installed	SqYd	$6.59			$ -	$ -	Average
MATTING-excelsior, installed	SqYd	$1.04			$ -	$ -	Average
MICROIRRIGATION SYSTEM	Job	Cost Share percent of actual amount not to exceed			$ 25,000.00	$ 30,000.00	Actual
Sediment Filter Bags	LinFt	$1.10				$ -	Actual
Snow/Ice Guard	Job	$3.29			$ -	$ -	Average
STEEL-reinforce, wire fabric/rebar	Lb	$ 0.89	$ 1.03	$ 0.89	$ -	$ -	Average
STONE-Boulders (installed)	Ton	$84.55			$ -	$ -	Average
STONE-gravel	Ton	$ 34.04	$ 34.04	$ 40.63	$ -	$ -	Average
STONE-riprap	Ton	$ 61.15	$ 61.15	$ 68.79	$ -	$ -	Average
STREAM RESTORATION	Job	Cost Share percent of actual amount not to exceed			$ 50,000.00	$ 60,000.00	Actual
STREAM RESTORATION-Root Wads, installed (avail onsite)	Each	$54.90			$ -	$ -	Average
STREAM RESTORATION-Root Wads, installed (not avail onsite)	Each	$87.84			$ -	$ -	Average
STREAM RESTORATION-Tree Revetments, installed	LinFt	$32.94			$ -	$ -	Average
USE EXCLUSION FENCE - includes gates and signs	LinFt	$1.32			$ -	$ -	Average

Pipes and Trash Guards

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
PIPE FITTING-Corrugated Polyethylene 10"	Each	$22.66			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 12"	Each	$28.56			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 15"	Each	$47.59			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 18"	Each	$95.63			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 4"	Each	$3.57			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 5"	Each	$5.00			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 6"	Each	$8.18			$ -	$ -	Average
PIPE FITTING-Corrugated Polyethylene 8"	Each	$16.68			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride <=3"	Each	$3.90			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 10"	Each	$129.84			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 12"	Each	$175.28			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 4"	Each	$7.79			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 6"	Each	$25.97			$ -	$ -	Average
PIPE FITTING-Polyvinyl Chloride 8"	Each	$84.40			$ -	$ -	Average
PIPE FITTING-stormwater 12"	Each	$137.63			$ -	$ -	Average
PIPE FITTING-stormwater 24"	Each	$376.53			$ -	$ -	Average
PIPE-bent support for outlet	Each	$64.92			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 10"/16 ga	LinFt	$21.37			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 12"/16 ga	LinFt	$28.03			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 6"/16 ga	LinFt	$17.40			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, coated 8"/16 ga	LinFt	$19.89			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 10"/16 ga	LinFt	$19.32			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 12"/16 ga	LinFt	$24.64			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 6"/16 ga	LinFt	$16.23			$ -	$ -	Average
PIPE-Coated Corrugated Steel flanged, galv 8"/16 ga	LinFt	$18.18			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 15"/16 ga	LinFt	$19.93			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 18"/16 ga	LinFt	$22.29			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 24"/16 ga	LinFt	$26.37			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 30"/16 ga	LinFt	$34.23			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, coated 36"/14 ga	LinFt	$39.06			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 15"/16 ga	LinFt	$17.84			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 18"/16 ga	LinFt	$19.40			$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 24"/16 ga	LinFt	$22.58			$ -	$ -	Average

PIPE-Coated Corrugated Steel rerolled, galv 30"/16 ga	LinFt	$25.75	$ -	$ -	Average
PIPE-Coated Corrugated Steel rerolled, galv 36"/14 ga	LinFt	$37.20	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 10"/16 ga	LinFt	$23.64	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 12"/16 ga	LinFt	$27.76	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 6"/16 ga	LinFt	$18.45	$ -	$ -	Average
PIPE-Corrugated Aluminum flanged, 8"/16 ga	LinFt	$20.28	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 15"/16 ga	LinFt	$25.82	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 18"/14 ga	LinFt	$33.72	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 24"/14 ga	LinFt	$42.21	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 30"/14 ga	LinFt	$50.42	$ -	$ -	Average
PIPE-Corrugated Aluminum rerolled 36"/14 ga	LinFt	$61.52	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 1/2"x2 2/3", 15"/16 ga	LinFt	$22.07	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 12"/16 ga	LinFt	$17.74	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 18"/16 ga	LinFt	$26.12	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 24"/14 ga	LinFt	$43.55	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 30"/14 ga	LinFt	$53.68	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 36"/14 ga	LinFt	$64.32	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 42"/12 ga	LinFt	$94.29	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 48"/12 ga	LinFt	$106.71	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 54"/12 ga	LinFt	$120.50	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 60"/12 ga	LinFt	$159.61	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 66"/12 ga	LinFt	$174.79	$ -	$ -	Average
PIPE-Corrugated Metal Pipw 72"/12 ga	LinFt	$191.34	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 10"	LinFt	$4.28	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 12"	LinFt	$7.14	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 15"	LinFt	$18.83	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 18"	LinFt	$21.42	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 24"	LinFt	$25.32	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 36"	LinFt	$37.00	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 4"	LinFt	$1.95	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 5"	LinFt	$2.34	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 6"	LinFt	$2.60	$ -	$ -	Average
PIPE-Corrugated Polyethylene non-perforated 8"	LinFt	$3.64	$ -	$ -	Average
PIPE-Hickenbottom outlet 10"	Each	$55.18	$ -	$ -	Average
PIPE-Hickenbottom outlet 6"	Each	$26.62	$ -	$ -	Average
PIPE-Hickenbottom outlet 8"	Each	$44.15	$ -	$ -	Average
PIPE-Surface inlet tee (6 in)	Each	$24.42	$ -	$ -	Average

PIPE-Surface inlet tee (8 in)	Each	$40.78	$ -	$ -	Average
PIPE-Surface inlet tee (10 in)	Each	$59.42	$ -	$ -	Average
PIPE-perf drain w/filter cloth	LinFt	$2.40	$ -	$ -	Average
PIPE-perf drain w/gravel filter	LinFt	$3.18	$ -	$ -	Average
PIPE-perf drain w/o filter	LinFt	$2.34	$ -	$ -	Average
PIPE-Polyvinyl Chloride 1 1/2" or less	LinFt	$2.27	$ -	$ -	Average
PIPE-Polyvinyl Chloride 10"	LinFt	$15.58	$ -	$ -	Average
PIPE-Polyvinyl Chloride 12"	LinFt	$20.77	$ -	$ -	Average
PIPE-Polyvinyl Chloride 2"	LinFt	$2.53	$ -	$ -	Average
PIPE-Polyvinyl Chloride 3"	LinFt	$2.66	$ -	$ -	Average
PIPE-Polyvinyl Chloride 4"	LinFt	$3.90	$ -	$ -	Average
PIPE-Polyvinyl Chloride 6"	LinFt	$5.97	$ -	$ -	Average
PIPE-Polyvinyl Chloride 8"	LinFt	$10.39	$ -	$ -	Average
PIPE-Polyvinyl Chloride, quick coupling 3/4"-1"	Each	$20.77	$ -	$ -	Average
PIPE-RC 12", 4' sections	LinFt	$16.88	$ -	$ -	Average
PIPE-RC 15", 4' sections	LinFt	$18.18	$ -	$ -	Average
PIPE-RC 18", 4' sections	LinFt	$20.77	$ -	$ -	Average
PIPE-RC 24", 4' sections	LinFt	$28.56	$ -	$ -	Average
PIPE-RC 30", 4' sections	LinFt	$36.35	$ -	$ -	Average
PIPE-RC 36", 4' sections	LinFt	$49.34	$ -	$ -	Average
PIPE-Stormwater PipeP 10"/smooth in/cor ex	LinFt	$15.58	$ -	$ -	Average
PIPE-Stormwater PipeP 12"/smooth in/cor ex	LinFt	$20.51	$ -	$ -	Average
PIPE-Stormwater PipeP 15"/smooth in/cor ex	LinFt	$21.94	$ -	$ -	Average
PIPE-Stormwater PipeP 18"/smooth in/cor ex	LinFt	$24.34	$ -	$ -	Average
PIPE-Stormwater PipeP 24"/smooth in/cor ex	LinFt	$31.16	$ -	$ -	Average
PIPE-water supply/fittings, <=2"	LinFt	$1.87	$ -	$ -	Average
TEE-8"x8"x12"x20' w/1' stub/16 ga	Each	$334.56	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 15"	Each	$127.42	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 24"	Each	$172.72	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 30"	Each	$284.44	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 36"	Each	$306.78	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 48"	Each	$353.28	$ -	$ -	Average
TRASH GD-Corrugated Aluminum 54"	Each	$399.18	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 12"	Each	$44.69	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 15"	Each	$76.70	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 18"	Each	$89.38	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 24"	Each	$102.06	$ -	$ -	Average

TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 30"	Each	$123.20	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 36"	Each	$153.39	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 42"	Each	$250.01	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 48"	Each	$285.64	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 60"	Each	$478.29	$ -	$ -	Average
TRASH GD-Polyvinyl Chloride/Coated Corrugated Steel/steel 72"	Each	$683.61	$ -	$ -	Average

Establishment of Trees and Riparian Buffers

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
TREE ESTABLISHMENT - Bedding (Cropland Conversion to Trees ONLY)	Acre	$93.33			$ -	$ -	Average
TREE ESTABLISHMENT - Chemical Release	Acre	$109.80			$ -	$ -	Average
TREE ESTABLISHMENT - Chemical Site Prep	Acre	$131.76			$ -	$ -	Average
TREE ESTABLISHMENT - Disking	Acre	$43.92			$ -	$ -	Average
TREE ESTABLISHMENT - Mowing/Bushhogging	Acre	$43.92			$ -	$ -	Average
TREE ESTABLISMENT - Prescribed Burning	Acre	$32.94			$ -	$ -	Average
TREE ESTABLISHMENT - Scalping/Furrowing	Acre	$65.88			$ -	$ -	Average
TREE ESTABLISHMENT - Subsoiling	Acre	$27.45			$ -	$ -	Average
TREE-plant, hardwood	Acre	$192.15			$ -	$ -	Average
TREE-plant, loblolly and shortleaf pine	Acre	$93.33			$ -	$ -	Average
TREE-plant, longleaf pine	Acre	$159.21			$ -	$ -	Average

Establishment of Vegetation, Pasture Renovation and Cropland Conversion (Grass)

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
COVER CROP	Acre	$50.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 1 - 60% Residue	Acre	$20.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 2 - 80% Residue	Acre	$40.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 3 - Conventional 60% Residue	Acre	$110.00			$ -	$ -	Average
RESIDUE AND TILLAGE MANAGEMENT - Tier 4 - Conventional 80% Residue	Acre	$140.00			$ -	$ -	Average
SOD-BASED ROTATION - Tier 1 - 3 yr/17 mos	Acre	$100.00			$ -	$ -	Average
SOD-BASED ROTATION - Tier 2 - 4 yr/29 mos	Acre	$173.00			$ -	$ -	Average
SOD-BASED ROTATION - tier 3 - 5 yr/41 mos	Acre	$233.00			$ -	$ -	Average
CROPLAND CONVERSION - establish grass/wildlife plants	Acre	$329.40			$ -	$ -	Average
PASTURE RENOVATION	Acre	$329.40			$ -	$ -	Actual
VEGETATION-bag lime, seed and fertlizer	Acre	$768.60			$ -	$ -	Average
VEGETATION-Bare Root Seedlings	Each	$1.98			$ -	$ -	Average
VEGETATION-bulk lime, seed and fertilizer	Acre	$603.90			$ -	$ -	Average
VEGETATION-compost blanket	Sq Ft	Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
VEGETATION-compost sock	Lin Ft	$3.29			$ -	$ -	Actual
VEGETATION-establish in strips	Acre	$164.70			$ -	$ -	Average
VEGETATION-establish, Christmas tree plantations	Acre	$230.58			$ -	$ -	Average

VEGETATION-establish perennial grasses and/or legumes for Controlled Livestock Lounging Areas ONLY	Acre	$158.11			$ -	$ -	Average
VEGETATION-establish, hydroseed	Acre	$1,866.60			$ -	$ -	Average
VEGETATION-establish, native VEGETATION	Acre	$680.76			$ -	$ -	Average
VEGETATION-Livestakes (installed)	Each	$1.10			$ -	$ -	Average
VEGETATION-mulch, matting/install	SqYd	$1.04			$ -	$ -	Average
VEGETATION-mulch, netting	SqFt	$0.08			$ -	$ -	Average
VEGETATION-mulch, small grain straw	Acre	$603.90			$ -	$ -	Average
VEGETATION-Odor Control, Switch Grass Sprig	Each	$3.35			$ -	$ -	Average
VEGETATION-seedbed prep	Acre	$ 54.90	$ 54.90	$ 109.80	$ -	$ -	Average
VEGETATION-seedbed prep, strips/crop conv	Acre	$32.94			$ -	$ -	Average
VEGETATION-shrubs	Each	$1.98			$ -	$ -	Average

Grading and Earth Moving Components

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
EARTH FILL-adjacent, sheepsfoot rolled	CuYd	$ 3.62	$ 4.83	$ 4.83	$ -	$ -	Average
EARTH FILL-hauled	CuYd	$10.58			$ -	$ -	Average
EARTH FILL-hauled, sheepsfoot rolled	CuYd	$ 4.83	$ 6.64	$ 9.06	$ -	$ -	Average
EXCAVATION-spring development (Backhoe)	Hr	$ 90.59	$ 78.51	$ 60.39	$ -	$ -	Average
EXCAVATION-spring development (Trackhoe)	Hr	$ 120.78	$ 150.98	$ 120.78	$ -	$ -	Average
EXCAVATION-w/spoil removal	CuYd	$ 2.42	$ 3.62	$ 2.72	$ -	$ -	Average
GRADING-extra heavy 9"-12" avg	Acre	$3,184.20			$ -	$ -	Average
GRADING-heavy, 6"-9" avg	Acre	$2,745.00			$ -	$ -	Average
GRADING-light, 1" to 3" avg	Acre	$1,866.60			$ -	$ -	Average
GRADING-maximum heavy >12" avg	Acre	$3,623.40			$ -	$ -	Average
GRADING-medium, 3" to 6" avg	Acre	$2,305.80			$ -	$ -	Average
GRADING-minimum, <=1/4 acre	Job	$1,098.00			$ -	$ -	Average
LAND SMOOTHING - heavy	Acre	$ 219.60	$ 219.60	$ 274.50	$ -	$ -	Average
LAND SMOOTHING - light	Acre	$ 164.70	$ 164.70	$ 219.60	$ -	$ -	Average
SMOOTH/SHAPE-diversion	LinFt	$ 2.20	$ 1.10	$ 1.10	$ -	$ -	Average
SMOOTH/SHAPE-terrace	LinFt	$1.10			$ -	$ -	Average
SMOOTH/SHAPE-tractor disk/blade	Acre	$274.50			$ -	$ -	Average

Incentives

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
INCENTIVE - Maure/Litter Transport <= 20 mi.	Ton/CuYd	$4.39 / $2.20			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Maure/Litter Transport >= 50 mi.	Ton/CuYd	$8.78 / $4.39			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Maure/Litter Transport 20-50 mi.	Ton/CuYd	$6.59 / $3.29			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Nutrient Management 3yrs	Acre/Year	$6.59			$ -	$ -	Flat Rate
INCENTIVE - Precision Nutrient Management	Acre/Year	$16.47			$ 15,000.00	$ 15,000.00	Flat Rate
INCENTIVE - Prescribed Grazing	Acre/Year	$32.94			$ 15,000.00	$ 15,000.00	Flat Rate

Stream Protection Management								
Component	**Unit Type**	**AREA 1 Unit Cost**	**AREA 2 Unit Cost**	**AREA 3 Unit Cost**	**Maximum Cost Share 75 Percent**	**Maximum Cost Share 90 Percent**	**Cost Type**
FENCE - SOLAR CHARGER	Each	$301.95			$ -	$ -	Average
FENCE-3-strand perm, electric, incl. Gates	LinFt	$ 2.72	$ 2.42	$ 2.42	$ -	$ -	Average
FENCE-4+-strand perm, electric, incl. Gates	LinFt	$ 2.94	$ 2.64	$ 2.64	$ -	$ -	Average
FENCE-perm, 3 strand interior, electric or non-electric, incl. Gates	LinFt	$2.47			$ -	$ -	Average
FENCE-perm, non-electric, incl. Gates	LinFt	$ 3.56	$ 2.88	$ 2.88	$ -	$ -	Average
FENCE-perm, streamside/floodplain, incl. Gates	LinFt	$1.32			$ -	$ -	Average
FENCE-temporary, portable, electric	LinFt	$0.11			$ -	$ -	Average
LIVESTOCK FEEDING AREAS	Each	Cost Share percent of actual amount not to exceed			$ 4,200.00	$ 5,040.00	Actual
LIVESTOCK FEEDING AREAS- pushwall	Each	Cost Share percent of actual amount					Actual
PUMP-housing, fiberglass/site built	Each	$384.30			$ -	$ -	Average
PUMP-solar powered water	Each	Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
PUMP-water supply	Each	Cost Share percent of actual amount not to exceed			$ 3,700.00	$ 4,440.00	Actual
Spring Header Casing	Each	$241.56			$ -	$ -	Average
STOCK TRAIL-existing, excavate/grade	LinFt	$1.21			$ -	$ -	Average
STOCK TRAIL-new, excavate/grade	LinFt	$2.42			$ -	$ -	Average
STREAM CROSS-ford, ex 80-120 cuft	Job	$1,207.80			$ -	$ -	Average
STREAM CROSS-ford, ex<80 cuft	Job	$966.24			$ -	$ -	Average
STREAM CROSS-ford, ex>120 cuft	Job	$1,449.36			$ -	$ -	Average
STREAM PROTECTION WELL-construction/head protection	LinFt	$20.00			$ -	$ -	Average
STREAM PROTECTION WELL-permit *(only where agriculture is not exempt from well permit fees)*	Each	Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
STREAM PROTECTION WELL- Steel casing	LinFt	Cost Share percent of actual amount					Actual
TANK-temp storage, 1000 gal	Each	$533.63			$ -	$ -	Average
TANK-temp storage, 1500 gal	Each	$657.70			$ -	$ -	Average
TANK- watering (fixed) Continuous Flow Concrete Tank	Each	$ 1,317.60	$ -	$ -	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 2-Hole Watering Tank (20 - 28 gal.)	Each	$ 1,032.12	$ 781.78	$ 923.42	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 4-Hole Watering Tank (33 gal.)	Each	$ 1,155.10	$ 792.76	$ 910.24	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 2-Hole Watering Tank (44 gal.)	Each	$ 1,305.52	$ 1,004.67	$ 1,049.69	$ -	$ -	Average
TANK-watering (fixed)/Pressurized 4-Hole Watering Tank (70 gal.)	Each	$ 1,100.20	$ 1,224.27	$ 1,262.70	$ -	$ -	Average
TANK-watering (portable) /Pressurized Waterer	Each	Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual
VALVE-float, automatic, brass	Each	$26.35			$ -	$ -	Average
WATER SUPPLY-municipal tap	Job	$1,170.47			$ 800.00	$ 960.00	Actual
WINDMILL	Each	Cost Share percent of actual amount not to exceed			$ 3,200.00	$ 3,840.00	Actual

Waste Management Measures

Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
BIOVATOR - Rotary Composter	LinFt	$1,251.72			$ -	$ -	Actual
COMPOSTER BINS ONLY -wood, inside or outside storage structure, area of bin	SqFt	$6.04			$ -	$ -	Average
COMPOSTER-lumber/roof	SqFt	$ 10.87	$ 9.06	$ 9.06	$ -	$ -	Average
DRY STACK-dairy/beef/poultry, block	SqFt	$7.97					Average
DRY STACK-dairy/beef/poultry, wood/metal	SqFt	$ 11.96	$ 9.96	$ 9.96	$ 33,000.00	$ 39,600.00	Average
DRY STACK-truss arch, fabric roofed	SqFt	$5.74					Average
FEED/WASTE STRUCTURE	SqFt	Cost Share percent of actual amount not to exceed			$ 27,500.00	$ 33,000.00	Average
FORCED AERATION COMPOST SYSTEM 600 sq ft to 1450 sq ft w/ Storage	SqFt	$212.28			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM > 1450 sq ft w/ Storage	SqFt	$183.00			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM < 720 sq ft w/Grinder and Storage	SqFt	$300.12			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM 720 sq ft to 1440 sq ft w/Grinder and Storage	SqFt	$234.24			$ -	$ -	Average
FORCED AERATION COMPOST SYSTEM > 1450 sq ft w/ Grinder and Storage	SqFt	$197.64			$ -	$ -	Average
FREEZER-installed	Each	Cost Share percent of actual amount not to exceed			$ 2,500.00	$ 3,000.00	Actual
GASIFICATION - 1,200 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			$ 55,020.00	$ 66,024.00	Actual
GASIFICATION - 275 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			$ 31,175.00	$ 37,409.00	Actual
GASIFICATION - 400 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			$ 39,374.00	$ 47,249.00	Actual
GASIFICATION - 800 lb Corrugated Aluminumacity (delivered & installed)	Each	Cost Share percent of actual amount not to exceed			$ 46,906.00	$ 56,287.00	Actual
INCINERATOR-<=250 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			$ 6,293.00	$ 7,552.00	Actual
INCINERATOR-1200 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			$ 9,577.00	$ 11,492.00	Actual
INCINERATOR-400 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			$ 6,695.00	$ 8,034.00	Actual
INCINERATOR-500 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			$ 8,094.00	$ 9,713.00	Actual
INCINERATOR-650/700 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			$ 8,517.00	$ 10,220.00	Actual
INCINERATOR-800 lb. Corrugated Aluminumacity	Each	Cost Share percent of actual amount not to exceed			$ 8,899.00	$ 10,679.00	Actual
INCINERATOR-Roof w/ storm collar	SqFt	$13.96			$ -	$ -	Actual
Lagoon Biosolids Removal	Gallon	$0.02			$ 25,000.00	$ 25,000.00	Flat Rate
PUMP-manure/chopper/agitator	Each	Cost Share percent of actual amount not to exceed			$ 5,339.00	$ 6,407.00	Actual
RAMP-push off, waste mgt	Each	Cost Share percent of actual amount not to exceed			$ 4,000.00	$ 4,800.00	Actual
ROTARY DRUMS-2900 gal, w/drive motor	Each	Cost Share percent of actual amount not to exceed			$ 18,000.00	$ 21,600.00	Actual
ROTARY DRUMS-2900 gal, w/forced aeration system	Each	Cost Share percent of actual amount not to exceed			$ 22,400.00	$ 26,880.00	Actual
SOLIDS SEPARATION FROM TANK-BASED AQUACULTURE	Each	Cost Share percent of actual amount not to exceed			$ 20,000.00	$ 24,000.00	Actual
WASTE APPLICATION - poultry litter spreader	Each	Cost Share percent of actual amount not to exceed			$ 10,500.00	$ 12,600.00	Actual
WASTE APPLICATION - system	Job	Cost Share percent of actual amount not to exceed			$ 35,000.00	$ 42,000.00	Actual
WASTE IMPOUNDMENT - closure	Job	Cost Share percent of actual amount not to exceed			$ 75,000.00	$ 90,000.00	Actual

Water Control Structures							
Component	Unit Type	AREA 1 Unit Cost	AREA 2 Unit Cost	AREA 3 Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
ANTISEEP COLL-alum, 12"-18" pipe	Each	$141.31			$ -	$ -	Average
ANTISEEP COLL-alum, 24" pipe	Each	$172.72			$ -	$ -	Average
ANTISEEP COLL-alum, 30" pipe	Each	$196.27			$ -	$ -	Average
ANTISEEP COLL-alum, 36" pipe	Each	$227.67			$ -	$ -	Average
ANTISEEP COLL-alum, 42" pipe	Each	$282.63			$ -	$ -	Average
ANTISEEP COLL-alum, 48" pipe	Each	$321.88			$ -	$ -	Average
ANTISEEP COLL-alum, 54" pipe	Each	$361.13			$ -	$ -	Average
ANTISEEP COLL-alum, 60" pipe	Each	$408.24			$ -	$ -	Average
ANTISEEP COLL-alum, 72" pipe	Each	$518.15			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 48"x48" (12"pipe separate costs)	Each	$165.58			$ -	$ -	Average
ANTISEEP COLL- Corrugated Aluminum 54" x 54" (15" pipe separate costs)	Each	$272.63			$ -	$ -	Average
ANTISEEP COLL- Corrugated Aluminum 60" x 60" (18" pipe separate costs)	Each	$286.91			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 72"x72" (24" pipe separate costs)	Each	$369.70			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 78" x 78" (30" pipe separate costs)	Each	$411.09			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 84" x 84" (36" pipe separate costs)	Each	$570.96			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 90" x 90" (42" pipe separate costs)	Each	$573.81			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 96" x 96" (48" pipe separate costs)	Each	$649.47			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 108" x 108" (60" pipe separate costs)	Each	$719.41			$ -	$ -	Average
ANTISEEP COLL-Corrugated Aluminum 120" x 120" (72" pipe separate costs)	Each	$802.20			$ -	$ -	Average
ANTISEEP COLL-Polyvinyl Chloride 48"x48"	Each	$82.64			$ -	$ -	Average
ANTISEEP COLL-steel pipe 42"x42"-48"x48"	Each	$102.06			$ -	$ -	Average
ANTISEEP COLL-steel pipe 56"x56"-72"x72"	Each	$227.67			$ -	$ -	Average
ANTISEEP COLL-steel pipe 78"x78"-90"x90"	Each	$565.25			$ -	$ -	Average
FACE PLATE-installed	Each	$290.97			$ -	$ -	Average
GATE-shear, alum, 10'x3/4" lift rod	Each	$227.67			$ -	$ -	Average
GATE-shear, Coated Corrugated Steel w/ frame/rod 10"	Each	$712.84			$ -	$ -	Average
GATE-shear, Coated Corrugated Steel w/ frame/rod 12"	Each	$1,334.62			$ -	$ -	Average
GATE-shear, Coated Corrugated Steel w/ frame/rod 6"	Each	$425.51			$ -	$ -	Average
GATE-shear, Coated Corrugated Steel w/ frame/rod 8"	Each	$648.47			$ -	$ -	Average
GATE-shear, Polyvinyl Chloride pipe	Each	$295.19			$ -	$ -	Average
GATE-slide, Polyvinyl Chloride pipe 12"	Each	$1,884.17			$ -	$ -	Average
GATE-slide, Polyvinyl Chloride pipe 8"	Each	$712.84			$ -	$ -	Average
HEADWALL-aluminum	SqFt	$20.41			$ -	$ -	Average

HEADWALL-concrete	CuYd	$314.03	$ -	$ -	Average
HEADWALL-sand cement bag >=60 lb	Bag	$4.08	$ -	$ -	Average
RISER-Corrugated Aluminum 15"-18"/16 ga	LinFt	$47.26	$ -	$ -	Average
RISER-Corrugated Aluminum 21"-24"/16 ga	LinFt	$70.89	$ -	$ -	Average
RISER-Corrugated Aluminum 30"-36"/14 ga	LinFt	$113.09	$ -	$ -	Average
RISER-Corrugated Aluminum perf 15"-18"/16 ga	LinFt	$52.32	$ -	$ -	Average
RISER-Corrugated Aluminum perf 21"-24"/16 ga	LinFt	$75.96	$ -	$ -	Average
RISER-Corrugated Aluminum perf 30"-36"/14 ga	LinFt	$118.15	$ -	$ -	Average
RISER-Coated Corrugated Steel 15"-21"/16 ga	LinFt	$45.57	$ -	$ -	Average
RISER-Coated Corrugated Steel 24"-30"/16 ga	LinFt	$67.52	$ -	$ -	Average
RISER-Coated Corrugated Steel 36"-48"/14 ga	LinFt	$141.78	$ -	$ -	Average
RISER-Coated Corrugated Steel 54"/12 ga	LinFt	$141.78	$ -	$ -	Average
RISER-Coated Corrugated Steel 8"-12"/16 ga	LinFt	$28.69	$ -	$ -	Average
RISER-Coated Corrugated Steel perf 15"-21"/16 gauge	LinFt	$50.64	$ -	$ -	Average
RISER-Coated Corrugated Steel perf 24"-30"/16 gauge	LinFt	$72.58	$ -	$ -	Average
RISER-Coated Corrugated Steel perf 36"-48"/14 gauge	LinFt	$146.02	$ -	$ -	Average
RISER-Coated Corrugated Steel perf 54"/12 gauge	LinFt	$146.02	$ -	$ -	Average
RISER-fb .175" plate 102"	Each	$6,737.00	$ -	$ -	Average
RISER-fb .175" plate 108"	Each	$7,544.61	$ -	$ -	Average
RISER-fb .175" plate 114"	Each	$8,028.35	$ -	$ -	Average
RISER-fb .175" plate 120"	Each	$8,516.23	$ -	$ -	Average
RISER-fb 18"/14 ga	Each	$1,042.21	$ -	$ -	Average
RISER-fb 24"/14 ga	Each	$1,146.02	$ -	$ -	Average
RISER-fb 30"/14 ga	Each	$1,245.67	$ -	$ -	Average
RISER-fb 36"/14 ga	Each	$1,719.03	$ -	$ -	Average
RISER-fb 42"/12 ga	Each	$1,968.14	$ -	$ -	Average
RISER-fb 48"/12 ga	Each	$2,192.38	$ -	$ -	Average
RISER-fb 54"/12 ga	Each	$2,545.32	$ -	$ -	Average
RISER-fb 60"/12 ga	Each	$3,043.59	$ -	$ -	Average
RISER-fb 66"/12 ga	Each	$3,220.06	$ -	$ -	Average
RISER-fb 72"/12 ga	Each	$3,778.53	$ -	$ -	Average
RISER-fb 78"/12 ga	Each	$4,299.64	$ -	$ -	Average
RISER-fb 84"/10 ga	Each	$4,808.29	$ -	$ -	Average
RISER-fb 90"/10 ga	Each	$5,362.61	$ -	$ -	Average
RISER-fb 96"/10 ga	Each	$5,929.39	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 6"x4'	Each	$836.68	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 6"x5'	Each	$895.97	$ -	$ -	Average

WATER CONTROL STRUCTURE in-line, installed 6"x6'	Each	$951.97	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 8"x4'	Each	$904.75	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 8"x5'	Each	$1,033.22	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed 8"x6'	Each	$1,067.26	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed WATERGATE 8 in	Each	$653.31	$ -	$ -	Average
WATER CONTROL STRUCTURE in-line, installed WATERGATE 10 in	Each	$818.01	$ -	$ -	Average

For actual cost items, the payment is based on 75 or 90 percent of actual cost, not to exceed the established cost share cap. The cost share cap listed is the maximum amount of cost share reimbursement allowed for that component/BMP.

ATTACHMENT 9C

DRAFT Allocation of 2022 ACSP Financial Assistance Funds

	REGULAR ACSP (CS)		Impaired/Impacted Earmark (II)		
DISTRICT	REQUESTED	July 2021	REQUESTED	July 2021	TOTAL FY 2022 ALLOCATION
ALAMANCE	$ 170,000	$ 51,332	$ -	$ -	$ 51,332
ALEXANDER	$ 190,000	$ 53,605	$ 100,000	$ 11,359	$ 64,964
ALLEGHANY	$ 825,000	$ 50,624	$ 20,000	$ 10,702	$ 61,326
ANSON	$ 547,000	$ 48,019	$ 100,000	$ 10,557	$ 58,576
ASHE	$ 855,000	$ 51,586	$ -	$ -	$ 51,586
AVERY	$ 315,575	$ 42,415	$ -	$ -	$ 42,415
BEAUFORT	$ 236,200	$ 40,251	$ -	$ -	$ 40,251
BERTIE	$ 375,845	$ 32,767	$ -	$ -	$ 32,767
BLADEN	$ 80,000	$ 46,625	$ -	$ -	$ 46,625
BRUNSWICK	$ 30,000	$ 29,891	$ -	$ -	$ 29,891
BUNCOMBE	$ 317,000	$ 50,291	$ 64,500	$ 10,571	$ 60,862
BURKE	$ 120,000	$ 44,426	$ -	$ -	$ 44,426
CABARRUS	$ 150,000	$ 47,351	$ 20,000	$ 9,953	$ 57,304
CALDWELL	$ 150,000	$ 47,005	$ 25,000	$ 10,067	$ 57,072
CAMDEN	$ 59,000	$ 26,263	$ -	$ -	$ 26,263
CARTERET	$ 15,000	$ 15,000	$ -	$ -	$ 15,000
CASWELL	$ 100,000	$ 50,741	$ -	$ -	$ 50,741
CATAWBA	$ 160,000	$ 44,413	$ -	$ -	$ 44,413
CHATHAM	$ 239,750	$ 56,543	$ 40,000	$ 11,902	$ 68,445
CHEROKEE	$ 150,000	$ 37,111	$ 20,000	$ 7,767	$ 44,878
CHOWAN	$ 60,000	$ 26,972	$ 15,000	$ 5,698	$ 32,670
CLAY	$ 100,000	$ 41,426	$ 100,000	$ 8,725	$ 50,151
CLEVELAND	$ 110,000	$ 53,634	$ 25,000	$ 11,054	$ 64,688
COLUMBUS	$ 121,350	$ 40,828	$ -	$ -	$ 40,828
CRAVEN	$ 100,000	$ 25,548	$ -	$ -	$ 25,548
CUMBERLAND	$ 90,000	$ 29,817	$ 70,000	$ 6,103	$ 35,920
CURRITUCK	$ 35,000	$ 23,061	$ -	$ -	$ 23,061
DARE	$ 20,000	$ 20,000	$ -	$ -	$ 20,000
DAVIDSON	$ 149,000	$ 57,225	$ -	$ -	$ 57,225
DAVIE	$ 74,000	$ 58,124	$ -	$ -	$ 58,124
DUPLIN	$ 320,000	$ 73,683	$ 150,000	$ 15,540	$ 89,223
DURHAM	$ 57,000	$ 40,615	$ -	$ -	$ 40,615
EDGECOMBE	$ 193,656	$ 41,177	$ -	$ -	$ 41,177
FORSYTH	$ 75,000	$ 33,570	$ -	$ -	$ 33,570
FRANKLIN	$ 75,000	$ 52,083	$ 10,700	$ 10,700	$ 62,783
GASTON	$ 56,065	$ 41,144	$ -	$ -	$ 41,144
GATES	$ 42,500	$ 25,280	$ -	$ -	$ 25,280
GRAHAM	$ 20,000	$ 20,000	$ -	$ -	$ 20,000
GRANVILLE	$ 70,000	$ 50,496	$ 9,000	$ 9,000	$ 59,496

ATTACHMENT 9C

	REGULAR ACSP (CS)		Impaired/Impacted Earmark (II)		
DISTRICT	REQUESTED	July 2021	REQUESTED	July 2021	TOTAL FY 2022 ALLOCATION
GREENE	$ 77,600	$ 38,621	$ 3,500	$ 3,500	$ 42,121
GUILFORD	$ 275,000	$ 44,545	$ -	$ -	$ 44,545
HALIFAX	$ 100,000	$ 49,672	$ 20,000	$ 10,461	$ 60,133
HARNETT	$ 60,000	$ 42,147	$ 11,000	$ 8,822	$ 50,969
HAYWOOD	$ 195,000	$ 45,019	$ 75,000	$ 9,736	$ 54,755
HENDERSON	$ 150,000	$ 50,130	$ -	$ -	$ 50,130
HERTFORD	$ 80,000	$ 28,409	$ 20,000	$ 5,972	$ 34,381
HOKE	$ 156,500	$ 28,356	$ 10,000	$ 5,996	$ 34,352
HYDE	$ 200,000	$ 34,535	$ 25,000	$ 7,348	$ 41,883
IREDELL	$ 110,000	$ 51,231	$ 50,000	$ 11,197	$ 62,428
JACKSON	$ 56,000	$ 38,115	$ -	$ -	$ 38,115
JOHNSTON	$ 430,821	$ 59,382	$ 6,078	$ 6,078	$ 65,460
JONES	$ 160,000	$ 43,000	$ 20,000	$ 9,255	$ 52,255
LEE	$ 40,000	$ 39,848	$ -	$ -	$ 39,848
LENOIR	$ 150,000	$ 40,839	$ 30,000	$ 8,597	$ 49,436
LINCOLN	$ 200,000	$ 54,199	$ 75,000	$ 11,393	$ 65,592
MACON	$ 300,000	$ 32,979	$ 30,000	$ 6,963	$ 39,942
MADISON	$ 50,000	$ 45,487	$ 20,000	$ 9,861	$ 55,348
MARTIN	$ 125,000	$ 32,155	$ -	$ -	$ 32,155
MCDOWELL	$ 40,000	$ 33,713	$ -	$ -	$ 33,713
MECKLENBURG	$ 35,000	$ 20,000	$ -	$ -	$ 20,000
MITCHELL	$ 225,000	$ 54,390	$ 50,000	$ 11,476	$ 65,866
MONTGOMERY	$ 65,000	$ 33,997	$ -	$ -	$ 33,997
MOORE	$ 171,750	$ 40,336	$ -	$ -	$ 40,336
NASH	$ 100,000	$ 41,933	$ 51,000	$ 9,190	$ 51,123
NEW HANOVER	$ 20,000	$ 20,000	$ -	$ -	$ 20,000
NORTHAMPTON	$ 85,000	$ 34,981	$ -	$ -	$ 34,981
ONSLOW	$ 55,000	$ 39,944	$ -	$ -	$ 39,944
ORANGE	$ 218,910	$ 57,997	$ 71,000	$ 12,157	$ 70,154
PAMLICO	$ 250,000	$ 36,065	$ -	$ -	$ 36,065
PASQUOTANK	$ 60,240	$ 25,914	$ 10,000	$ 5,469	$ 31,383
PENDER	$ 75,000	$ 31,909	$ -	$ -	$ 31,909
PERQUIMANS	$ 60,000	$ 27,236	$ 15,000	$ 5,714	$ 32,950
PERSON	$ 200,000	$ 46,865	$ -	$ -	$ 46,865
PITT	$ 226,500	$ 47,424	$ 43,500	$ 10,117	$ 57,541
POLK	$ 87,500	$ 40,688	$ -	$ -	$ 40,688
RANDOLPH	$ 100,000	$ 54,026	$ -	$ -	$ 54,026
RICHMOND	$ 150,000	$ 38,423	$ -	$ -	$ 38,423
ROBESON	$ 395,500	$ 46,680	$ 298,400	$ 9,952	$ 56,632
ROCKINGHAM	$ 175,000	$ 50,964	$ 50,000	$ 10,556	$ 61,520
ROWAN	$ 200,000	$ 55,277	$ -	$ -	$ 55,277
RUTHERFORD	$ 100,000	$ 47,363	$ 10,000	$ 9,966	$ 57,329

ATTACHMENT 9C

	REGULAR ACSP (CS)		Impaired/Impacted Earmark (II)		
DISTRICT	REQUESTED	July 2021	REQUESTED	July 2021	TOTAL FY 2022 ALLOCATION
SAMPSON	$ 250,000	$ 67,222	$ 100,000	$ 14,327	$ 81,549
SCOTLAND	$ 222,200	$ 31,398	$ -	$ -	$ 31,398
STANLY	$ 70,000	$ 55,159	$ 20,000	$ 11,688	$ 66,847
STOKES	$ 188,000	$ 50,167	$ 20,000	$ 10,795	$ 60,962
SURRY	$ 200,000	$ 64,917	$ 50,000	$ 13,641	$ 78,558
SWAIN	$ 50,000	$ 30,632	$ 7,500	$ 6,487	$ 37,119
TRANSYLVANIA	$ 65,000	$ 48,078	$ -	$ -	$ 48,078
TYRRELL	$ 150,000	$ 31,172	$ -	$ -	$ 31,172
UNION	$ 293,250	$ 60,691	$ 50,000	$ 12,687	$ 73,378
VANCE	$ 30,000	$ 29,862	$ -	$ -	$ 29,862
WAKE	$ 148,315	$ 50,160	$ 101,310	$ 10,717	$ 60,877
WARREN	$ 56,750	$ 52,969	$ 24,040	$ 11,180	$ 64,149
WASHINGTON	$ 100,000	$ 30,763	$ -	$ -	$ 30,763
WATAUGA	$ 150,000	$ 51,167	$ 10,000	$ 10,000	$ 61,167
WAYNE	$ 100,000	$ 55,612	$ 50,000	$ 11,691	$ 67,303
WILKES	$ 427,321	$ 47,728	$ 167,647	$ 10,011	$ 57,739
WILSON	$ 150,000	$ 41,202	$ 5,000	$ 5,000	$ 46,202
YADKIN	$ 250,000	$ 59,010	$ 60,000	$ 12,667	$ 71,677
YANCEY	$ 202,250	$ 45,745	$ 80,000	$ 9,635	$ 55,380
TOTALS	**$ 15,968,348**	**$ 4,249,390**	**$ 2,509,175**	**$500,000**	**$ 4,749,390**

SOURCE	AMOUNT
FY 2022 Appropriation	**$ 4,016,998**
Rollover from cancelations, releases and unencumbered Regular Cost Share funds	**$ 1,033,242**
TOTAL AVAILABLE FUNDS	**$ 5,050,240**
5% Contingency Reserve	**$ 200,850**
Total Allocated FY 2022	**$ 4,849,390**

The proposed allocation transfers $500,000 of regular CS funds to Impaired/Impacted Streams Initiative (II) AND $100,000 to CREP (CE). CE funds will be allocated to districts as CREP contracts are received.

County	FY2022-2024 Technical Assistance Annual Allocation ($20,000 min; $30,000 max): Approved 2/24/2021	FY2022 Non-recurring Allocation from rollover funds & non-requested funding	Total FY 2022 Technical Assistance Allocation
ALAMANCE	$ 23,903	$ 466	$ 24,369
ALEXANDER	$ 25,479	$ 655	$ 26,133
ALLEGHANY	$ 25,214	$ 623	$ 25,837
ANSON	$ 26,308	$ 754	$ 27,062
ASHE	$ 27,244	$ 866	$ 28,110
AVERY	$ 24,576	$ 547	$ 25,122
BEAUFORT	$ 25,925	$ 708	$ 26,633
BERTIE	$ 25,605	$ 670	$ 26,275
BLADEN	$ 26,573	$ 786	$ 27,358
BRUNSWICK	$ 22,391	$ 286	$ 22,677
BUNCOMBE	$ 26,716	$ 803	$ 27,519
BURKE	$ 25,933	$ 709	$ 26,642
CABARRUS	$ 23,185	$ 381	$ 23,565
CALDWELL	$ 24,387	$ 524	$ 24,911
CAMDEN	$ 21,525	$ 182	$ 21,707
CARTERET	$ 20,937	$ 112	$ 21,049
CASWELL	$ 25,653	$ 676	$ 26,329
CATAWBA	$ 23,319	$ 397	$ 23,716
CHATHAM	$ 26,181	$ 739	$ 26,920
CHEROKEE	$ 26,321	$ 755	$ 27,076
CHOWAN	$ 22,309	$ 276	$ 22,585
CLAY	$ 23,529	$ 422	$ 23,951
CLEVELAND	$ 30,000	$ -	$ 30,000
COLUMBUS	$ 24,100	$ 490	$ 24,590
CRAVEN	$ 21,710	$ 204	$ 21,915
CUMBERLAND	$ 22,296	$ 274	$ 22,570
CURRITUCK	$ 20,984	$ 118	$ 21,101
DARE	$ 20,912	$ 109	$ 21,021
DAVIDSON	$ 24,002	$ 478	$ 24,480
DAVIE	$ 22,822	$ 337	$ 23,159
DUPLIN	$ 30,000	$ -	$ 30,000
DURHAM	$ 29,788	$ 212	$ 30,000
EDGECOMBE	$ 23,769	$ 450	$ 24,220
FORSYTH	$ 22,648	$ 316	$ 22,964
FRANKLIN	$ 24,203	$ 502	$ 24,705
GASTON	$ 23,245	$ 388	$ 23,633
GATES	$ 22,703	$ 323	$ 23,026
GRAHAM	$ 21,690	$ 202	$ 21,892
GRANVILLE	$ 22,435	$ 291	$ 22,726
GREENE	$ 23,811	$ 455	$ 24,267
GUILFORD	$ 24,369	$ 522	$ 24,891
HALIFAX	$ 30,000	$ -	$ 30,000
HARNETT	$ 24,642	$ 555	$ 25,197
HAYWOOD	$ 26,382	$ 763	$ 27,144
HENDERSON	$ 28,287	$ 990	$ 29,277
HERTFORD	$ 22,885	$ 345	$ 23,229

County	FY2022-2024 Technical Assistance Annual Allocation ($20,000 min; $30,000 max): Approved 2/24/2021	FY2022 Non-recurring Allocation from rollover funds & non-requested funding	Total FY 2022 Technical Assistance Allocation
HOKE*	$ -	$ -	$ -
HYDE	$ 23,212	$ 384	$ 23,595
IREDELL	$ 24,708	$ 563	$ 25,270
JACKSON	$ 22,582	$ 309	$ 22,891
JOHNSTON	$ 23,944	$ 471	$ 24,416
JONES	$ 26,143	$ 734	$ 26,877
LEE	$ 22,584	$ 309	$ 22,893
LENOIR	$ 24,917	$ 588	$ 25,505
LINCOLN	$ 26,940	$ 829	$ 27,770
MACON	$ 25,359	$ 641	$ 26,000
MADISON	$ 23,216	$ 384	$ 23,600
MARTIN	$ 23,394	$ 406	$ 23,799
MCDOWELL	$ 23,177	$ 380	$ 23,557
MECKLENBURG	$ 21,469	$ 176	$ 21,644
MITCHELL	$ 25,612	$ 671	$ 26,283
MONTGOMERY	$ 23,840	$ 459	$ 24,298
MOORE	$ 30,000	$ -	$ 30,000
NASH	$ 23,190	$ 381	$ 23,571
NEW HANOVER	$ 20,126	$ 15	$ 20,141
NORTHAMPTON	$ 25,577	$ 667	$ 26,244
ONSLOW	$ 24,492	$ 537	$ 25,029
ORANGE	$ 25,051	$ 604	$ 25,654
PAMLICO	$ 24,190	$ 501	$ 24,691
PASQUOTANK	$ 21,620	$ 194	$ 21,814
PENDER	$ 23,411	$ 408	$ 23,818
PERQUIMANS	$ 23,021	$ 361	$ 23,382
PERSON	$ 22,316	$ 277	$ 22,592
PITT	$ 23,848	$ 460	$ 24,307
POLK	$ 25,605	$ 670	$ 26,275
RANDOLPH	$ 30,000	$ -	$ 30,000
RICHMOND	$ 24,519	$ 540	$ 25,059
ROBESON	$ 30,000	$ -	$ 30,000
ROCKINGHAM	$ 25,587	$ 668	$ 26,254
ROWAN	$ 23,249	$ 388	$ 23,637
RUTHERFORD	$ 26,550	$ 783	$ 27,333
SAMPSON	$ 30,000	$ -	$ 30,000
SCOTLAND	$ 25,038	$ 602	$ 25,640
STANLY	$ 26,743	$ 806	$ 27,548
STOKES	$ 25,391	$ 644	$ 26,035
SURRY	$ 30,000	$ -	$ 30,000
SWAIN	$ 21,779	$ 213	$ 21,992
TRANSYLVANIA	$ 23,170	$ 379	$ 23,549
TYRRELL	$ 26,190	$ 740	$ 26,930
UNION	$ 25,017	$ 600	$ 25,617
VANCE	$ 21,275	$ 152	$ 21,427
WAKE	$ 24,488	$ 536	$ 25,024

County	FY2022-2024 Technical Assistance Annual Allocation ($20,000 min; $30,000 max): Approved 2/24/2021	FY2022 Non-recurring Allocation from rollover funds & non-requested funding	Total FY 2022 Technical Assistance Allocation
WARREN	$ 23,659	$ 437	$ 24,096
WASHINGTON	$ 23,181	$ 380	$ 23,562
WATAUGA	$ 26,888	$ 823	$ 27,711
WAYNE	$ 26,816	$ 815	$ 27,631
WILKES	$ 30,000	$ -	$ 30,000
WILSON	$ 23,154	$ 377	$ 23,531
YADKIN	$ 28,710	$ 1,041	$ 29,751
YANCEY	$ 23,902	$ 466	$ 24,368
Total	**$ 2,449,743**	**$ 44,426**	**$ 2,494,169**

**Did not request technical assistance funding.*

AgWRAP

SWCC Presentation

July 21, 2021

AgWRAP

Materials Review

- AgWRAP Updates—Information Item
- AgWRAP DIP—Action Required
- AgWRAP Average Cost List—Action Required
- AgWRAP Allocations- Action Required

BMP Updates

Cooperator Acknowledgement Forms added to all BMPs

- Water Supply Wells, Baseflow Interceptor

BMP Quick Reference Tables Added/Updated

WATER SUPPLY WELL	
Maintenance Period	10 YEARS
BMP Units	EACH
Required Effects	ACRES IRRIGATED ~~or~~ OR TYPE AND NUMBER OF ANIMALS WATERED
JAA/NRCS Standards unless otherwise noted	ENG - 642 - Water Well ENG - 533 - Pumping Plant OR Site Evaluation Sheet, Well Check-out Sheet and GW-1
Cost Information	Average and actual cost for components on AgWRAP cost list BMP cap of $25,000
CS2 Reference Materials	NC-ACSP-11 Signature Page Map with BMP location, fields, and roads. Applicable Well Site Evaluation ~~form~~Sheet Conservation Plan Cooperator Acknowledgement Form For RFP: GW1 Well Construction Record ~~and~~ Well Check Off ~~form at time of payment~~Sheet Receipts for Actual Cost items
Additional Spot-check Requirements	None

11A. AgWRAP DIP

- Shifting goals to the top
  - Removing JAA goal
- Clarification of the Reallocation Process
- Updates to Regional Application Process
  - Removal of Micro-Irrigation
  - Additional questions
  - Deduction of points based on past funding and PSR
  - Cap at 3 per district for final consideration
- Removal of Micro-Irrigation BMP
- Addition of Livestock Water Storage BMP

11B. AgWRAP Average Cost List

- Removal of Micro-Irrigation
- Removal of Area Unit Costs (1 unit cost)
- Addition of design component for Conservation Irrigation Conversion
- Addition of cap and statement on Livestock Storage BMP
- Increase in well pump cap
  - $3,000 to $3,700 (75%)
  - $3,600 to $4,400 (90%)
- 9.8% increase to tanks, well housing

11C. AgWRAP Allocation

Total requested	$4,746,124
Difference from last years allocation	$141,375
AgWRAP Funding	$1,065,062
District Allocations (70%)	$745,543
Regional Applications (30%)	$319,519

- Allocated to 90 counties
  - 10 Counties did not request AgWRAP funds
- 74 counties received the minimum $7500
  - 4 counties requested less than the minimum

Fiscal Year 2022 Detailed Implementation Plan
July 21, 2021

Background

The North Carolina Agricultural Water Resources Assistance Program was authorized through Session Law 2011-145, and became effective on July 1, 2011. This program, herein referred to as AgWRAP, was established to assist farmers and landowners in doing any one or more of the following:

- Identify opportunities to increase water use efficiency, availability and storage;
- Implement best management practices (BMPs) to conserve and protect water resources;
- Increase water use efficiency;
- Increase water storage and availability for agricultural purposes.

AgWRAP is administered by the North Carolina Soil and Water Conservation Commission and implemented through local soil and water conservation districts. The commission meets with stakeholders to gather input on AgWRAP's development and administration through the AgWRAP Review Committee. AgWRAP currently receives $977,500 in recurring state appropriations: $827,500 is available for BMP allocation, while remaining funding is used to support two division engineering positions.

Fiscal Year 2022 Annual Goals

(1) Conduct a competitive regional allocation process for selected AgWRAP BMPs.
   a. Fund projects in each of the division's regions: western, central and eastern.

(2) Allocate funds to soil and water conservation districts for all AgWRAP BMPs.
   a. Award funds to all districts requesting an allocation.
   b. Allocate funds to districts from all geographic areas of the state.

(3) Conduct training for districts
   a. Continue to train districts on the program.
   b. Provide technical training for the required skills to plan and implement approved AgWRAP BMPs.
   c. Maintain the AgWRAP website with all relevant information.

Fiscal Year 2022 Allocation Strategy

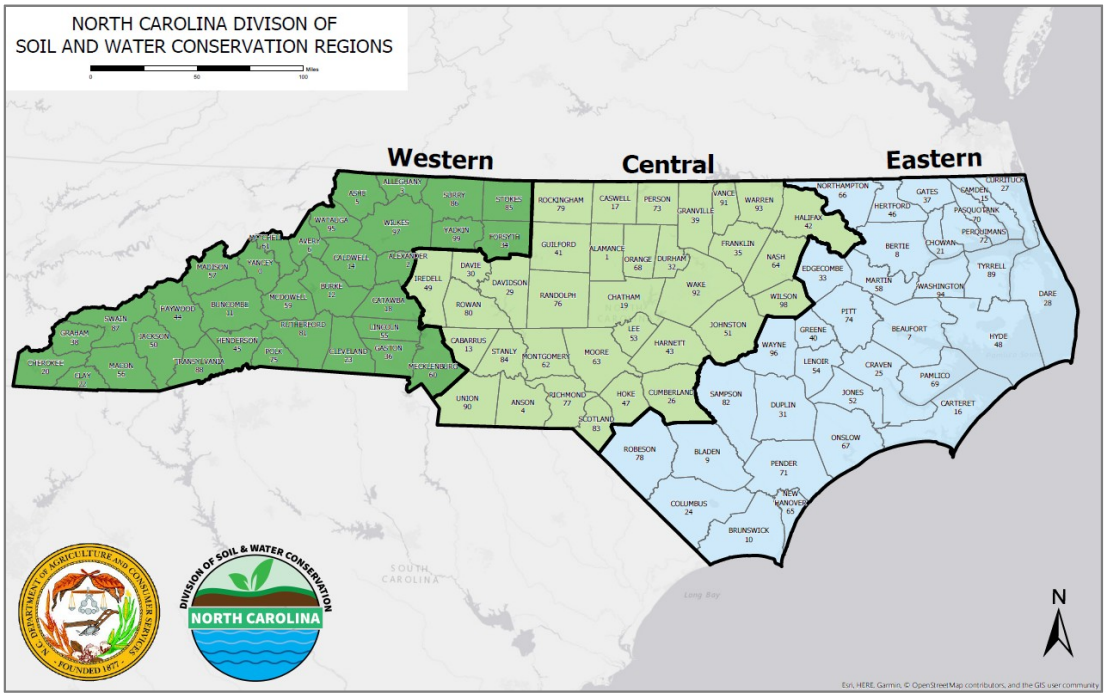
Due to the high cost of some of the program's eligible best management practices, and the limited funding for the program, the Commission will award two allocations for AgWRAP.

1. **Competitive regional application process for selected AgWRAP conservation practices: 30% of available BMP funding.**

   The Commission will allocate FY2022 funding through a competitive regional application process for following program practices:
   - Agricultural water supply/reuse pond
   - Agricultural pond repair/retrofit
   - Agricultural water collection and reuse system
   - Conservation irrigation conversion

The regions, as depicted in Figure 1, will be eligible to receive 1/3 of the amount of funds in the regional pool. Applications will be approved using the same ranking criteria for each region; there will be a minimum score for recommendation for funding. No more than three applications per district will move on to the next phase of consideration after the preliminary ranking, unless all applications have been ranked and there remains an eligible application(s). Should a region nothave sufficient applications to fund, the commission will allocate the remaining funds by approving applications in other regions, funding applications by highest score. Should the regional pool not have enough highly ranked applications to encumber available funding, the remaining funds (AP) will be allocated through district allocations (AG). This re-allocation process will follow the allocation process described onpage 4 after February 1st.

Figure 1: Regions for AgWRAP allocations



2. District allocations: 70% of available BMP funding.

a. Allocations will be made to all districts requesting funds in their FY2022 Strategy Plan.
b. Allocation parameters are described in 02NCAC 59D .0105 Agricultural Water Resources Assistance Program Financial Assistance Allocation Guidelines and Procedures.

Table 1: Allocation Parameters

Parameter	Percent
Relative rank of the number of farms (total operations) that are in the respective district as reported in the Census of Agriculture.	20%
Relative rank of the total acres of land in farms that are in the respective district as reported in the Census of Agriculture.	20%
Relative rank of the Market Value of Sales that are in the respective district as reported in the Census of Agriculture.	15%
Relative rank of the amount of agricultural water use in the respective district as reported in the North Carolina Agricultural Water Use Survey. Data from the most recent three surveys will be averaged to determine each district's rank.	25%
Relative rank of population density as reported by the state demographer.	20%

Conservation plan requirement

All approved AgWRAP applications must have a completed conservation plan prior to contract approval or the district requesting design assistance from division engineering staff. The commission is requiring this plan, which is the cooperator's record of decisions, to help districts evaluate water supply resource concerns including inadequate water for livestock, inefficient water use for irrigation and/or inefficient moisture management. Conservation plans will ensure that alternative practices are considered and that the recommended practices address the identified resource concerns to maintain AgWRAP BMPs through their contract life.

Program Guidelines

AgWRAP will be implemented using rule 02 NCAC 59D.

The agricultural water definition, from Protecting Agriculture Water Resources in North Carolina Strategic Plan (February 2011) will be used to determine eligibility for AgWRAP.

> *Agricultural water is considered to be any water on farms, from surface or subsurface sources, that is used in the production, maintenance, protection or on-farm preparation or treatment of agriculture commodities or products as necessary to grow and/or prepare them for on-farm use or transfer into any form of trade as is normally done with agricultural plant or animal commerce.* This expressly includes any on-farm cleaning or processing to make the agricultural product ready for sale or other transfer to any consumer in a usable form. It does not include water used in the manufacture or extended processing of plants or animals or their products when the processor is not the grower or producer and/or is beyond the first handler of the farm product.

All eligible operations must have been in existence for more than one year, and expansions to existing operations are eligible for the program.

The percent cost share for all BMPs is 75%. Limited resource and beginning farmers and farmers enrolled in Enhanced Voluntary Agriculture Districts are eligible to receive 90% cost share. The contract maintenance period of the majority of practices is 10 years.

Soil and water conservation districts can adopt additional guidelines for the program as they implement AgWRAP locally.

District Reallocation Process
Districts may voluntarily return AgWRAP allocations at any time during the fiscal year. These returns along with any unallocated AP funds, will be allocated to the district allocations (AG). On February 1, 2022, districts may request additional funding for specific projects through an online application process. Initial request will close at the end of February; first allocations will be made in early March taking effort to award one request from each district when possible on a first come, first serve basis. After the initial allocation, funding requests will be accepted on a rolling basis and funds will be allocated on a first come, first served basis.

BEST MANAGEMENT PRACTICES ELIGIBLE FOR COST SHARE PAYMENTS

(1) The best management practices eligible for cost sharing include the practices listed in Table 2 and any approved District BMPs.

- District BMPs shall be reviewed by the Division for technical merit in achieving the goals of this program. Upon approval by the Division, the District BMPs will be eligible to receive cost share funding as described in 02 NCAC 59D .0106.

(2) The minimum life expectancy of the BMPs shall be that listed in Table 2. Practices designated by a District shall meet the life expectancy requirement established by the Division for that District BMP.

(3) The list of BMPs eligible for cost sharing may be revised by the Soil and Water Conservation Commission as deemed appropriate in order to meet program purpose and goals. Additional practices may be adopted and introduced during the program year.

Table 2. Best management practices eligible for cost sharing, the minimum life expectancy of each practice and the practice type.

PRACTICE	MINIMUM LIFE EXPECTANCY (years)	PRACTICE TYPE
Agricultural water supply/reuse pond	10	DESIGN
Agricultural pond repair/retrofit	10	DESIGN
Agricultural pond sediment removal	1	DESIGN
Agricultural water collection and reuse system	10	DESIGN
Baseflow interceptor (streamside pickup)	10	DESIGN
Conservation irrigation conversion	10	DESIGN
Water supply well	10	DESIGN
Livestock Water Storage	10	DESIGN

(1) **Agricultural water supply/reuse pond**: Construct agricultural ponds for water supply for irrigation or livestock watering. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields.

(2) **Agricultural pond repair/retrofit**: Repair or retrofit of existing agricultural pond systems. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields.

(3) **Agricultural pond sediment removal:** Remove sediment from existing agricultural ponds to increase water storage capacity. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields. Cooperators are ineligible to reapply for assistance for this practice for a period of 10 years; unless the sedimentation is occurring due to no fault of the cooperator.

(4) **Agricultural water collection and reuse system**: Construct an agricultural water management and/or collection system for water reuse or irrigation for agricultural operations. These systems may include any of the following: water storage tanks, pumps, water control structures, and/or water conveyances. Benefits may include reduced demand on the water supply by reuse and decrease withdrawal from existing water supplies.

(5) **Baseflow interceptor (streamside pickup)**: Improve springs and seeps alongside a stream, near the banks, but not in the channel by excavating, cleaning, capping to collect and/or store water for agricultural use.

(6) **Conservation irrigation conversion**: Modify an existing irrigation system to increasethe efficiency and uniformity of irrigation water application. Benefits include increased water efficiency and water availability, erosion control, and produce safety.

(7) **Water supply well**: Construct a drilled, driven or dug well to supply water from an underground source for irrigation, livestock and poultry, aquaculture, or on-farm processing.

(8) **Livestock Water Storage:** Construct a system of water storage for the purpose of watering livestock. These systems may include any of the following: construction of impoundments, water storage tanks, pumps and/or water conveyances. This practice can accompany a water collection/supply BMP to allow for additional pumping and storage of water. Benefits may include increased water storage.

ATTACHMENT 11B

Components for the Agricultural Water Resources Assistance Program (AgWRAP)

Component	Unit Type	~~AREA 1 Unit Cost~~	~~AREA 2 Unit Cost~~	~~AREA 3~~ Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
AGRICULTURAL WATER COLLECTION AND REUSE SYSTEM	Job	Cost Share percent of actual amount not to exceed			$ 15,000.00	$ 18,000.00	Actual
AGRICULTURAL WATER SUPPLY/REUSE POND	Job	Cost Share percent of actual amount not to exceed			$ 25,000.00	$ 30,000.00	Actual
AGRICULTURAL WATER SUPPLY/REUSE POND - Engineering for embankment pond, low hazard	Job	Cost Share percent of actual amount not to exceed			$ 7,500.00	$ 9,000.00	Actual
AGRICULTURAL WATER SUPPLY/REUSE POND - Engineering for embankment pond, intermediate or high hazard	Job	Cost Share percent of actual amount not to exceed			$ 10,000.00	$ 12,000.00	Actual
AGRICULTURAL POND REPAIR/RETROFIT	Job	Cost Share percent of actual amount not to exceed			$ 25,000.00	$ 30,000.00	Actual
AGRICULTURAL POND REPAIR/RETROFIT - Engineering for embankment pond, low hazard	Job	Cost Share percent of actual amount not to exceed			$ 7,500.00	$ 9,000.00	Actual
AGRICULTURAL POND REPAIR/RETROFIT - Engineering for embankment pond, intermediate or high hazard	Job	Cost Share percent of actual amount not to exceed			$ 10,000.00	$ 12,000.00	Actual
AGRICULTURAL POND SEDIMENT REMOVAL	Job	Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
CONSERVATION IRRIGATION CONVERSION	Job	Cost Share percent of actual amount not to exceed			$ 25,000.00	$ 30,000.00	Actual
CONSERVATION IRRIGATION CONVERSION - Design	Job	Cost Share percent of actual amount not to exceed			$ 5,000	$ 7,500	Actual
~~MICROIRRIGATION SYSTEM~~	~~Job~~	~~Cost Share percent of actual amount not to exceed~~			~~$ 25,000.00~~	~~$ 30,000.00~~	~~Actual~~
PUMP*-housing, fiberglass/site built	Each	~~$ 350.00~~	~~$ 350.00~~	$ ~~350.00~~ 385	$ -	$ -	Average
PUMP*-solar powered water	Each	Cost Share percent of actual amount not to exceed			$ 5,000.00	$ 6,000.00	Actual
PUMP*-water supply	Each	Cost Share percent of actual amount not to exceed			$ 3,~~0~~700.00	$ ~~3,64,4~~00.00	Actual
TANK-temp storage, 1000 gal	Each	~~$ 486.00~~	~~$ 486.00~~	$ ~~486.00~~ 534	$ -	$ -	Average
TANK-temp storage, 1500 gal	Each	~~$ 599.00~~	~~$ 599.00~~	$ ~~599.00~~ 658	$ -	$ -	Average
WELL*-construction/head protection	LinFt	~~$ 20.00~~	~~$ 20.00~~	$ 20.00	$ -	$ -	Average
WELL*-permit *(only where agriculture is not exempt from well permit fees)*	Each	Cost Share percent of actual amount not to exceed			$ 500.00	$ 600.00	Actual

For actual cost items, the payment is based on 75 or 90 percent of actual cost, not to exceed the established cost share cap. The cost share cap listed is the maximum amount of cost share reimbursement allowed for that component/BMP.

*The maximum cost for a well, including all eligible components, is $25,000.
*The maximum cost for a pond, including supporting practices, is $25,000. This cap does not include engineering costs.
* The maximum cost for the Livestock Water Storage BMP, including all eligible components, is $15,000.

Other components can be used from the Agriculture Cost Share Program Average Cost List as needed by BMP design.
Please refer to the each specific BMP webpage to find a list of common components for each BMP.

ATTACHMENT 11B

Components for the Agricultural Water Resources Assistance Program (AgWRAP)

Component	Unit Type	Unit Cost	Maximum Cost Share 75 Percent	Maximum Cost Share 90 Percent	Cost Type
AGRICULTURAL WATER COLLECTION AND REUSE SYSTEM	Job	Cost Share percent of actual amount not to exceed	$ 15,000.00	$ 18,000.00	Actual
AGRICULTURAL WATER SUPPLY/REUSE POND	Job	Cost Share percent of actual amount not to exceed	$ 25,000.00	$ 30,000.00	Actual
AGRICULTURAL WATER SUPPLY/REUSE POND - Engineering for embankment pond, low hazard	Job	Cost Share percent of actual amount not to exceed	$ 7,500.00	$ 9,000.00	Actual
AGRICULTURAL WATER SUPPLY/REUSE POND - Engineering for embankment pond, intermediate or high hazard	Job	Cost Share percent of actual amount not to exceed	$ 10,000.00	$ 12,000.00	Actual
AGRICULTURAL POND REPAIR/RETROFIT	Job	Cost Share percent of actual amount not to exceed	$ 25,000.00	$ 30,000.00	Actual
AGRICULTURAL POND REPAIR/RETROFIT - Engineering for embankment pond, low hazard	Job	Cost Share percent of actual amount not to exceed	$ 7,500.00	$ 9,000.00	Actual
AGRICULTURAL POND REPAIR/RETROFIT - Engineering for embankment pond, intermediate or high hazard	Job	Cost Share percent of actual amount not to exceed	$ 10,000.00	$ 12,000.00	Actual
AGRICULTURAL POND SEDIMENT REMOVAL	Job	Cost Share percent of actual amount not to exceed	$ 5,000.00	$ 6,000.00	Actual
CONSERVATION IRRIGATION CONVERSION	Job	Cost Share percent of actual amount not to exceed	$ 25,000.00	$ 30,000.00	Actual
CONSERVATION IRRIGATION CONVERSION - Design	Job	Cost Share percent of actual amount not to exceed	$ 5,000	$ 7,500	Actual
PUMP*-housing, fiberglass/site built	Each	$ 385	$ -	$ -	Average
PUMP*-solar powered water	Each	Cost Share percent of actual amount not to exceed	$ 5,000.00	$ 6,000.00	Actual
PUMP*-water supply	Each	Cost Share percent of actual amount not to exceed	$ 3,700.00	$ 4,400.00	Actual
TANK-temp storage, 1000 gal	Each	$ 534	$ -	$ -	Average
TANK-temp storage, 1500 gal	Each	$ 658	$ -	$ -	Average
WELL*-construction/head protection	LinFt	$ 20.00	$ -	$ -	Average
WELL*-permit *(only where agriculture is not exempt from well permit fees)*	Each	Cost Share percent of actual amount not to exceed	$ 500.00	$ 600.00	Actual

For actual cost items, the payment is based on 75 or 90 percent of actual cost, not to exceed the established cost share cap. The cost share cap listed is the maximum amount of cost share reimbursement allowed for that component/BMP.

*The maximum cost for a well, including all eligible components, is $25,000.

*The maximum cost for a pond, including supporting practices, is $25,000. This cap does not include engineering costs.

* The maximum cost for the Livestock Water Storage BMP, including all eligible components, is $15,000.

Other components can be used from the Agriculture Cost Share Program Average Cost List as needed by BMP design.
Please refer to the each specific BMP webpage to find a list of common components for each BMP.

County	FY2022 BMP funds requested for all AgWRAP BMPs	FY2022 AgWRAP (AG) allocation ($7,500 min)
ALAMANCE	$ 15,000	$ 7,500
ALEXANDER	$ 40,000	$ 7,500
ALLEGHANY	$ 15,000	$ 7,500
ANSON	$ 100,000	$ 7,500
ASHE	$ 15,000	$ 7,500
AVERY	$ 15,000	$ 7,500
BEAUFORT	$ 101,305	$ 7,500
BERTIE	$ 25,000	$ 7,500
BLADEN	$ 30,000	$ 12,505
BRUNSWICK	$ 25,000	$ 7,500
BUNCOMBE	$ 100,000	$ 7,500
BURKE	$ 40,000	$ 7,500
CABARRUS	$ 40,000	$ 7,500
CALDWELL	$ 20,000	$ 7,500
CAMDEN	$ -	$ -
CARTERET	$ 8,000	$ 7,500
CASWELL	$ -	$ -
CATAWBA	$ 30,000	$ 7,500
CHATHAM	$ 25,000	$ 7,500
CHEROKEE	$ 30,000	$ 7,500
CHOWAN	$ 15,000	$ 7,500
CLAY	$ 50,000	$ 7,500
CLEVELAND	$ 127,500	$ 7,500
COLUMBUS	$ 35,000	$ 7,500
CRAVEN	$ 30,000	$ 7,500
CUMBERLAND	$ 40,000	$ 7,500
CURRITUCK	$ -	$ -
DARE	$ 15,000	$ 7,500
DAVIDSON	$ 15,000	$ 7,500
DAVIE	$ 7,500	$ 7,500
DUPLIN	$ 450,000	$ 26,767
DURHAM	$ 104,652	$ 7,500
EDGECOMBE	$ 32,500	$ 7,500
FORSYTH	$ 40,000	$ 7,500
FRANKLIN	$ 45,000	$ 7,500
GASTON	$ 61,081	$ 7,500
GATES	$ -	$ -
GRAHAM	$ 2,500	$ 2,500
GRANVILLE	$ 6,000	$ 6,000
GREENE	$ 6,000	$ 6,000
GUILFORD	$ 85,000	$ 7,978
HALIFAX	$ 60,000	$ 7,500

County	FY2022 BMP funds requested for all AgWRAP BMPs	FY2022 AgWRAP (AG) allocation ($7,500 min)
HARNETT	$ 25,000	$ 7,500
HAYWOOD	$ 25,000	$ 7,500
HENDERSON	$ 100,000	$ 7,500
HERTFORD	$ 15,000	$ 7,500
HOKE	$ 17,000	$ 7,500
HYDE	$ 25,000	$ 7,500
IREDELL	$ 30,000	$ 7,500
JACKSON	$ 7,500	$ 7,500
JOHNSTON	$ 445,727	$ 13,150
JONES	$ 65,000	$ 7,500
LEE	$ 7,500	$ 7,500
LENOIR	$ 50,000	$ 7,500
LINCOLN	$ 150,000	$ 7,500
MACON	$ 50,000	$ 7,500
MADISON	$ 50,000	$ 7,500
MARTIN	$ -	$ -
MCDOWELL	$ 10,000	$ 7,500
MECKLENBURG	$ 27,000	$ 9,791
MITCHELL	$ 20,000	$ 7,500
MONTGOMERY	$ 33,500	$ 7,500
MOORE	$ 14,000	$ 7,500
NASH	$ 50,000	$ 8,222
NEW HANOVER	$ 8,000	$ 7,500
NORTHAMPTON	$ 38,000	$ 7,500
ONSLOW	$ 12,000	$ 7,500
ORANGE	$ 45,000	$ 7,500
PAMLICO	$ 19,995	$ 7,500
PASQUOTANK	$ -	$ -
PENDER	$ 27,000	$ 12,481
PERQUIMANS	$ 15,000	$ 7,500
PERSON	$ 30,000	$ 7,500
PITT	$ 120,000	$ 7,500
POLK	$ 24,000	$ 7,500
RANDOLPH	$ -	$ -
RICHMOND	$ -	$ -
ROBESON	$ 145,000	$ 23,489
ROCKINGHAM	$ 75,000	$ 7,500
ROWAN	$ 18,000	$ 7,500
RUTHERFORD	$ 65,000	$ 7,500
SAMPSON	$ 230,000	$ 26,642
SCOTLAND	$ 7,500	$ 7,500
STANLY	$ 15,000	$ 7,500

County	FY2022 BMP funds requested for all AgWRAP BMPs	FY2022 AgWRAP (AG) allocation ($7,500 min)
STOKES	$ 35,000	$ 7,500
SURRY	$ 50,000	$ 7,500
SWAIN	$ 30,000	$ 7,500
TRANSYLVANIA	$ -	$ -
TYRRELL	$ -	$ -
UNION	$ 55,000	$ 10,293
VANCE	$ 5,000	$ 5,000
WAKE	$ 117,000	$ 9,464
WARREN	$ 18,000	$ 7,500
WASHINGTON	$ 20,000	$ 7,500
WATAUGA	$ 25,000	$ 7,500
WAYNE	$ 20,000	$ 10,261
WILKES	$ 167,364	$ 7,500
WILSON	$ 30,000	$ 7,500
YADKIN	$ 85,000	$ 7,500
YANCEY	$ 75,000	$ 7,500
TOTALS	**$ 4,746,124**	**$ 745,543**

Districts are encouraged to encumber AG funds before February 1, 2022, so that reallocations can be done with funds that are voluntarily returned. Funds will be made available for supplements to existing contracts or new projects ready for contracting until funds are no longer available.

FY2022 BMP Funds	$ 827,500
Rollover from cancelations, releases and unencumbered funds (AG, AP, TVA)	$ 237,562
Total BMP Funds	**$ 1,065,062**

AgWRAP Funding	
District Allocations (70%)	$ 745,543
Regional Applications (30%)	$ 319,519

ATTACHMENT 12

Detailed Implementation Plan

Fiscal Year 2022

Background

The North Carolina Community Conservation Assistance Program was authorized through Session Law 2006-78 and became effective on July 10, 2006. CCAP is implemented in accordance with the rules as published 02 NCAC 59 D .0104. The purpose of CCAP is to reduce the delivery of nonpoint source (NPS) pollution into the waters of the State by installing best management practices (BMPs) on developed lands not directly involved in agricultural production. Through this voluntary, incentive-based conservation program, landowners are provided educational, technical and financial assistance.

CCAP is administered by the North Carolina Soil and Water Conservation Commission and implemented through local soil and water conservation districts. The commission meets with stakeholders to gather input on CCAP's development and administration through the CCAP Advisory Committee. CCAP receives approximately $136,000 annually in state appropriations and support for one position in the Division of Soil and Water Conservation.

The Administrative Code governing the CCAP program allows the Commission to specify in this document, the CCAP annual Detailed Implementation Plan, the proportion of available funds to allocate for cost share payments, technical and administrative assistance, and education and outreach purposes and the proportion of those funds to be allocated to district, regional, and/or statewide allocation pools. This is particularly important given the limited amount of recurring funding currently available in this program. The allocation process is depicted in figures 1 and 2.

Figure 1: Soil and Water Conservation Commission CCAP allocation process

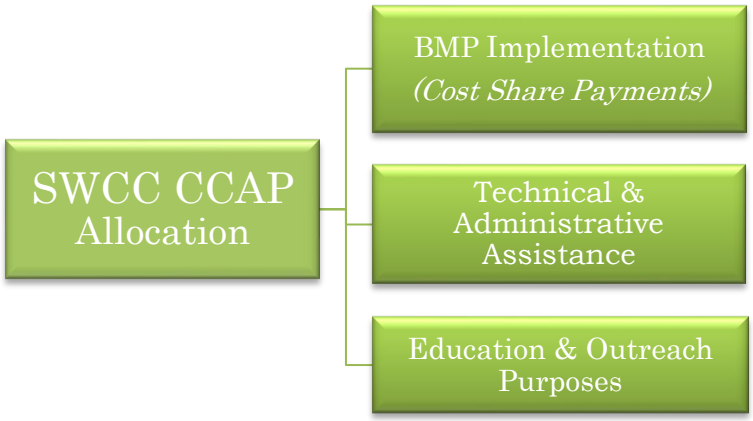
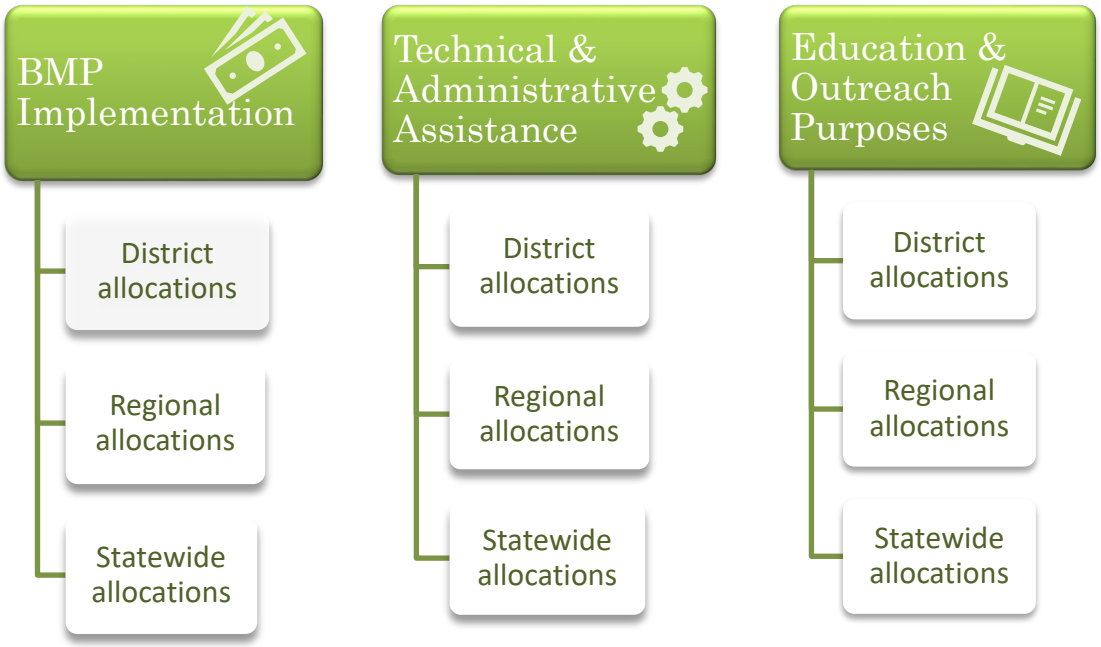
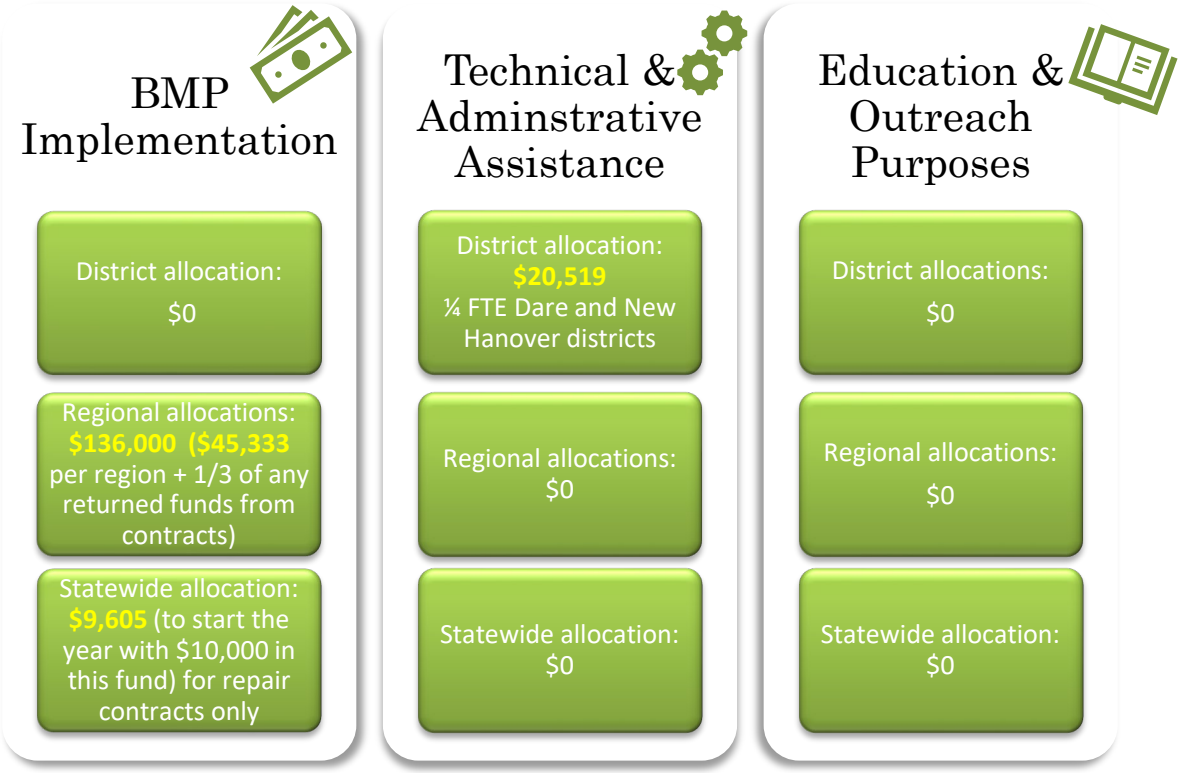


Figure 2: Soil and Water Conservation Commission CCAP allocation process for different funding pools



Fiscal Year 2022 Allocation

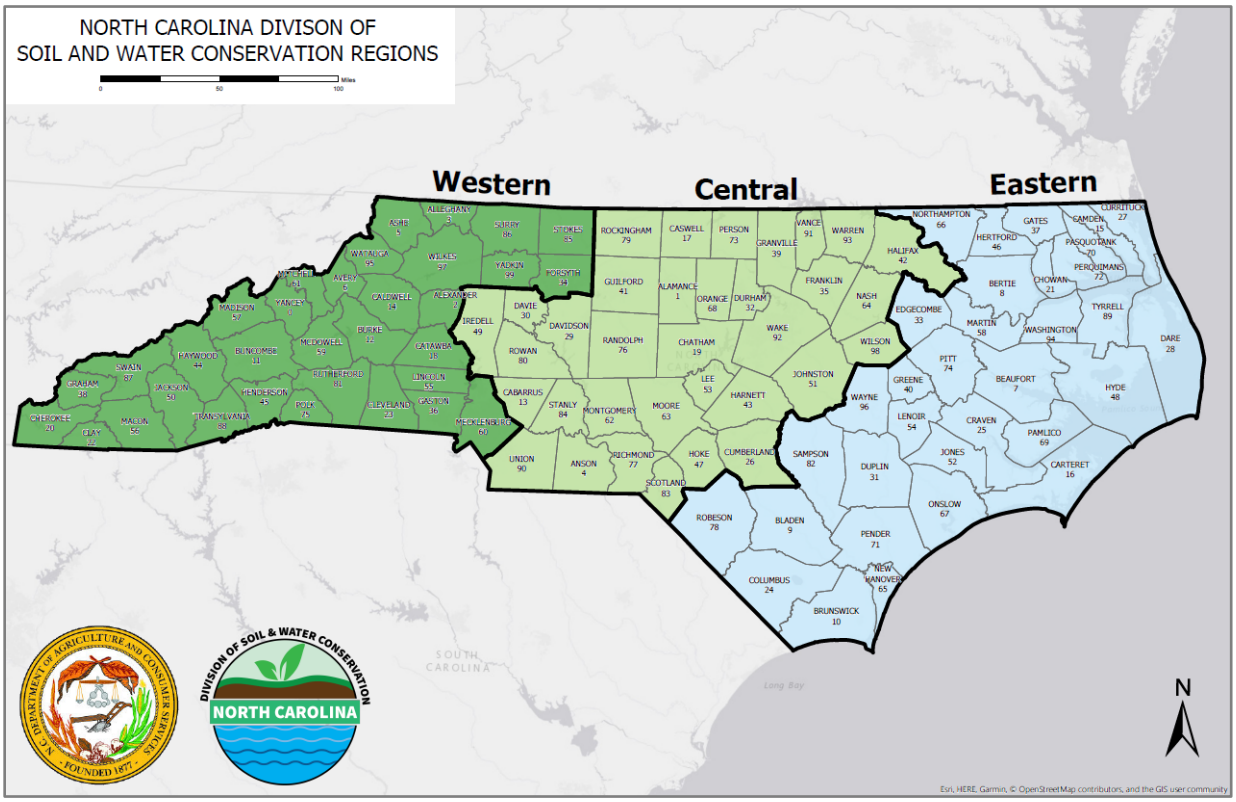
Figure 3: Proposed Soil and Water Conservation Commission FY2022 CCAP Allocation Strategy



The Commission will allocate approximately $136,000 through a competitive regional application process for any of the approved 2022 CCAP conservation practices. $9,605 will be allocated statewide for repair contracts as one repair contract was funded in fiscal year 2021. Repairs will be made on a first come, first serve basis until repair funds are fully expended. Repairs will be capped at $2,500 and cost shared at 75% of actual costs based upon receipts. A district may bring a request before the Commission to exceed the cap of $2,500 per repair contract. $20,519 will be allocated to the Dare and New Hanover Districts for ¼ Full Time Equivalent (FTE) position each for Technical and Administrative Assistance.

The remaining funding will be allocated for BMP Implementation and will be divided among the regions as depicted in figure 4. Any funds returned to the Division from previous years' contracts will be added to the BMP Implementation allocation pool and divided among the three regions. Applications will be approved using the same ranking criteria for each region. Should a region not have sufficient applications to fund, the Commission will allocate the remaining funds by approving applications in other regions, funding applications by highest score, with a just-in-time allocation. The maximum CCAP cost share allocation per district will be limited to $20,000 so that a least two applications can be approved in each region. CCAP also receives funding from several grant sources. Grant project may not comply with the contract caps compared to those projects funded solely through state appropriations.

Figure 4: Division of Soil and Water Conservation Service Regions for CCAP allocations



Fiscal Year 2022 Goals

I. Conduct a competitive regional allocation process for CCAP BMPs.
   a. Fund projects in each of the division's regions: western, central and eastern.
   b. Distribute funding for BMPs consistent with the Ranking Form with those of the highest ranking in each region receiving allocations until depleted.
   c. Continue funding repair contracts as needed

II. Continue to implement the program
   a. Maintain the CCAP website with all relevant information
   b. Maintain the job approval database
   c. Continue developing online tests for job approval authority
   d. Continue supporting district personnel in online testing and Commission procedures to obtain job approval authority
   e. Implement CCAP education and outreach efforts

Additional practices may be adopted by the Soil and Water Conservation Commission and introduced during the program year. Sites must have been developed for three years or more to be eligible for cost share assistance, and unless otherwise specified, the minimum life of all practices is 10 years. For single-family home sites, the minimum life of all practices is five years because these properties change owners more frequently.

(1) Abandoned well closure is the sealing and permanent closure of a supply well no longer in use. This practice serves to prevent entry of contaminated surface water, animals, debris or other foreign substances into the well. It also serves to eliminate the physical hazards of an open hole to people, animals and machinery.

(2) Bioretention area is the use of plants and soils for removal of pollutants from stormwater runoff. Bioretention can also be effective in reducing peak runoff rates, runoff volumes and recharging groundwater by infiltrating runoff. Bioretention areas are intended to treat impervious surface areas of greater than 2500 ft^2.

(3) A backyard rain garden is a shallow depression in the ground that captures runoff from a driveway, roof, or lawn and allows it to soak into the ground, rather than running across roads, capturing pollutants and delivering them to a stream. Backyard rain gardens are intended to treat impervious surface areas of less than 2500 ft^2.

(4) Stormwater wetland means a constructed system that mimics the functions of natural wetlands and is designed to mitigate the impacts of stormwater quality and quantity. Stormwater wetlands are intended to treat impervious surface areas of greater than 2500 ft^2.

(5) Backyard wetlands are constructed systems that mimic the functions of natural wetlands. They can temporarily store, filter and clean runoff from driveways, roofs and lawns, and thereby improve water quality. The wetland should be expected to retain water or remain saturated for two to three weeks. Backyard wetlands are intended to treat impervious surface areas of less than 2500 ft^2.

(6) A cistern is a system of collection and diversion practices to prevent stormwater from flowing across impervious areas, collecting sediment and reaching the storm drains. Benefits may include the reduction of stormwater runoff thereby reducing the opportunity for pollution to enter the storm drainage system.

(7) A critical area planting means an area of highly erodible land, which cannot be stabilized by ordinary conservation treatment on which permanent perennial vegetative cover is established and protected to improve water quality. Benefits may include reduced soil erosion and sedimentation and improved surface water quality.

(8) A diversion means a channel constructed across a slope with a supporting ridge on the lower side to control drainage by diverting excess water from an area to improve water quality.

Best Management Practices continued…

(9) A grassed swale consists of a natural or constructed channel that is shaped or graded to required dimensions and established in suitable vegetation for the stable conveyance of runoff to improve water quality. Benefits may include reduced soil erosion, and sedimentation and improve the quality of surface water pollution from dissolved and sediment-attached substances.

(10) Impervious surface conversion means the removal of impenetrable materials such as asphalt, concrete, brick and stone. These materials seal surfaces, repel water, and prevent precipitation from infiltrating soils. Removal of these impervious materials, when combined with permeable pavement or vegetation establishment, is intended to reduce stormwater runoff rate and volume, as well as associated pollutants transported from the site by stormwater runoff.

(11) Permeable pavement means materials that are designed to allow water to flow through them and thus reduce the imperviousness of traffic surfaces, such as patios, walkways, sidewalks, driveways and parking areas.

(12) A pet waste receptacle means a receptacle designed to encourage pet owners to pick up after animals in parks, neighborhoods and apartment complexes so as to prevent waste from being transported off-site by stormwater runoff.

(13) A riparian buffer means an area adjacent to a stream where a permanent, long-lived vegetative cover (sod, shrubs, trees or a combination of vegetation types) is established to improve water quality. Benefits may include reduced soil erosion, sedimentation, pathogen contamination and pollution from dissolved, particulate and sediment-attached substances.

(14) A stream restoration system means the use of bioengineering practices, native material revetments, channel stability structures and/or the restoration or management of riparian corridors to protect upland BMPs, restore the natural function of the stream corridor and improve water quality by reducing sedimentation to streams from streambanks.

(15) Streambank and shoreline protection is defined as the use of vegetation to stabilize and protect banks of streams, lakes, estuaries or excavated channels against scour and erosion.

(16) Marsh sills protect estuarine shorelines from erosion, combining engineered structures with natural vegetation to maintain, restore, or enhance the shoreline's natural habitats. A sill is a coast-parallel, long or short structure built with the objective of reducing the wave action on the shoreline by forcing wave breaking over the sill. Sills are used to provide protection for existing coastal marshes, or to retain sandy fill between the sill and the eroding shoreline, to establish suitable elevations for the restoration or establishment of coastal marsh and/or riparian vegetation.

(17) A structural stormwater conveyance includes various techniques to divert runoff from paved surfaces where a vegetated diversion is not feasible. The purpose is to direct stormwater runoff (sheet flow or concentrated) away from a direct discharge point and divert it to an approved BMP or naturally vegetated area capable of removing nutrients through detention, filtration, or infiltration.

Table 1: Best Management Practices eligible for cost share, minimum life expectancy of each practice, and the practice type

BMP	Maintenance Period of BMP*	Practice Type
Abandoned well closure	1	N/A
Backyard raingarden	10	Design
Backyard wetland	10	Design
Bioretention area	10	Design
Cisterns	10	Design
Critical Area Planting	10	Design
Diversion	10	Design
Grassed swale	10	Design
Impervious surface conversion	10	Design
Marsh sill	10	N/A
Permeable pavement	10	Design
Pet waste receptacle	10	N/A
Riparian buffer	10	Design
Stream restoration	10	Design
Streambank and shoreline stabilization	10	Design
Stormwater wetland	10	Design
Structural stormwater conveyance	10	Design

**** The maintenance period for single-family home sites is five years with the exception of Abandoned Well Closure which is one year.***

Attachment 12
CCAP Detailed Implementation Plan
2022 Fiscal Year
July 21,2021 SWCC Meeting

We are requesting your action for Item 12

Proposed Changes for the 2022 CCAP DIP follow

CCAP DIP Proposed Changes

Page 1

- **Background: removed language regarding the integration of the Cost Share Program rules**

Page 3

- **Figure 3 – updated proposed allocations for**
  - **BMPs – repair funds (remains at $10,000 year begin)**
  - **T&A – updated for changes in TA funds**
  - **Updated the language in the text describing Figure 3 changes**

CCAP DIP Proposed Changes - continued

Page 3 - continued

- **Last sentence, added language to clarify usage of grant funds when coupled with state allocated funds**

Page 4

- **FY22 Goals, Section II – added “and Commission” to JAA procedures to reflect new policy**

Page 7 – New!

- **Added Table 1 for BMPs, Life Expectancy, and Practice Type**

CCAP Regional Applications

Activity	Dates
Regional Applications Due	Oct 15
Preliminary Ranking	Oct 18 – 22
Site Assessments	Oct 25 – Nov 12
Final Ranking	Nov 15 – 19
Final Cooperator Acknowledgement Due	Dec 8
Present to SWCC	Jan 9

2021 Annual Spotchecks Reports

Soil and Water Conservation Commission Meeting
July 20 – 21, 2021

1

Spotcheck Policy

- The Commission delegated responsibility to district boards of supervisors for assuring that best management practices, funded through Cost Share Programs (CSPs) contracts, are properly implemented and maintained.
- The Commission requires supervisors spot check 5% of all active cost share program contracts annually.

2

Spotcheck Policy

- **In compliance -** BMPs are functioning properly and being used for their intended purpose of the program.
- **Maintenance needed -** BMPs need routine maintenance such as reseeding of vegetation, adding mulch, gravel, etc.
- **Out of compliance -** BMPs are <u>not</u> functioning properly or <u>not</u> being used for their intended purpose of the program.

3

2021 Summary

- Annual spotchecks were received from all **96** districts.
- **195** district supervisors participated in the spotchecks.
- **1067** contracts were spot checked across all three programs.
- **98.1%** were in compliance.

4

ACSP Spotcheck Results

Status	Contracts	
	Number	Percent
In Compliance*	712	98.1%
Out of Compliance	14	1.9%
TOTAL	726	100%

* **35** In Compliance contracts need maintenance **(4.8% of total)**

5

AgWRAP Spotcheck Results

Status	Contracts	
	Number	Percent
In Compliance*	257	97.7%
Out of Compliance	6	2.3%
TOTAL	263	100%

* **14** In Compliance contracts need maintenance **(5.3% of total)**

6

CCAP Spotcheck Results

Status	Contracts	
	Number	Percent
In Compliance*	78	98.7%
Out of Compliance	1	1.3%
TOTAL	79	100%

* **8** In Compliance contracts need maintenance **(10.1% of total)**

7

All Programs Spotcheck Results

Status	Contracts			
	2021		2020	
In Compliance*	1047	98.1%	1004	99.1%
Out of Compliance	21	2.0%	9	0.9%
TOTAL	1067		1013	
*Needing Maintenance	57	5.3%	50	4.9%

8

2021 Spotchecks Summary

Common BMPs Found Out of Compliance

1. **Cropland Conversion to Grass**
2. **Grassed Waterways**
3. **Long Term No-Till**

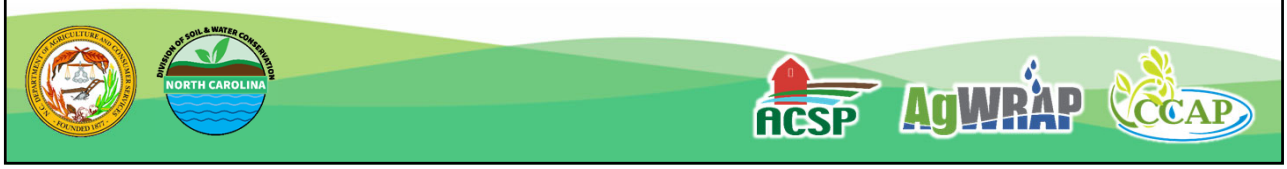
9

2021 Spotchecks Summary Cont…..

- For all contracts found out of compliance or needing maintenance, Districts will work with cooperators to repair, re-implement or repay a prorated amount of funds for the practice following the Commission's *Non-Compliance with Maintenance Requirements for Cost Share Contracts Policy*

10

Questions?



11

ATTACHMENT 13

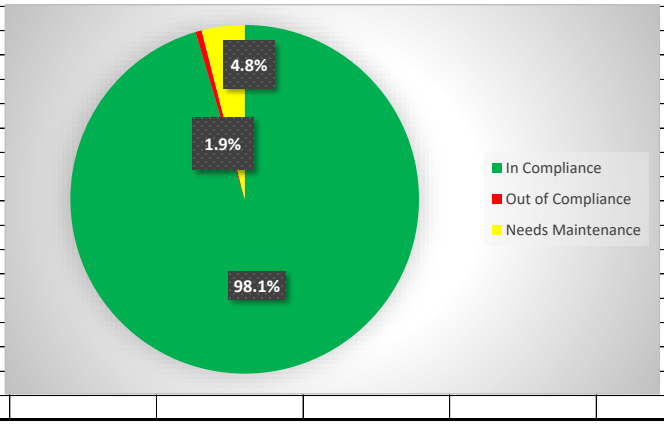
NORTH CAROLINA AGRICULTURE COST SHARE PROGRAM
SPOT CHECK REPORT SUMMARY FY2021

DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	TOTAL # CONTRACTS	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	IN COMPLIANCE/NEEDS MAINTENANCE
ALAMANCE	3	12	87	13.8%	11	1	1
ALEXANDER	3	15	36	41.7%	15	0	0
ALLEGHANY	3	4	71	5.6%	4	0	0
ANSON (BROWN CREEK)	3	11	31	35.5%	11	0	0
ASHE (NEW RIVER)	2	14	45	31.1%	14	0	0
AVERY	1	6	52	11.5%	6	0	0
BEAUFORT	2	5	27	18.5%	5	0	1
BERTIE	1	9	60	15.0%	9	0	0
BLADEN	1	8	92	8.7%	8	0	0
BRUNSWICK	3	5	33	15.2%	5	0	0
BUNCOMBE	2	5	82	6.1%	5	0	1
BURKE	3	2	35	5.7%	2	0	0
CABARRUS	1	4	41	9.8%	4	0	0
CALDWELL	3	3	45	6.7%	3	0	0
CAMDEN (ALBEMARLE)	1	5	7	71.4%	5	0	0
CARTERET	1	0	0	#DIV/0!	0	0	0
CASWELL	1	11	224	4.9%	11	0	0
CATAWBA	1	3	40	7.5%	3	0	0
CHATHAM	1	8	66	12.1%	8	0	1
CHEROKEE	1	17	175	9.7%	17	0	1
CHOWAN (ALBEMARLE)	1	5	29	17.2%	5	0	1
CLAY	2	7	13	53.8%	7	0	0
CLEVELAND	5	5	59	8.5%	5	0	0
COLUMBUS	2	4	75	5.3%	2	2	2
CRAVEN	1	3	11	27.3%	3	0	1
CUMBERLAND	2	9	81	11.1%	9	0	2
CURRITUCK (ALBEMARLE)	3	2	2	100.0%	2	0	0
DARE	1	1	2	50.0%	1	0	0
DAVIDSON	1	13	39	33.3%	13	0	0
DAVIE	2	16	46	34.8%	16	0	0
DUPLIN	1	9	160	5.6%	7	2	1
DURHAM	3	7	45	15.6%	7	0	0
EDGECOMBE	2	7	32	21.9%	7	0	0
FORSYTH	2	2	38	5.3%	2	0	0
FRANKLIN	2	12	55	21.8%	11	1	0
GASTON	4	2	27	7.4%	2	0	0
GATES	1	4	22	18.2%	4	0	0
GRAHAM	1	10	70	14.3%	10	0	0
GRANVILLE	1	7	105	6.7%	7	0	0
GREENE	1	8	68	11.8%	8	0	0
GUILFORD	4	21	87	24.1%	21	0	0
HALIFAX (FISHING CREEK)	4	2	41	4.9%	2	0	2
HARNETT	5	10	184	5.4%	10	0	0
HAYWOOD	1	4	63	6.3%	4	0	0
HENDERSON	2	6	69	8.7%	6	0	0
HERTFORD	1	2	17	11.8%	2	0	0
HOKE	2	8	23	34.8%	8	0	0
HYDE	4	6	56	10.7%	5	1	0
IREDELL	1	2	29	6.9%	2	0	0
JACKSON	2	7	56	12.5%	7	0	0
JOHNSTON	3	12	138	8.7%	11	1	1
JONES	1	9	45	20.0%	9	0	1
LEE	5	11	110	10.0%	11	0	0
LENOIR	1	12	12	100.0%	9	3	2
LINCOLN	2	8	19	42.1%	8	0	6
MACON	1	2	25	8.0%	2	0	1
MADISON	2	4	79	5.1%	4	0	1
MARTIN	1	4	68	5.9%	4	0	0
MCDOWELL	1	5	12	41.7%	5	0	0
MECKLENBURG	4	4	16	25.0%	4	0	0
MITCHELL	2	17	81	21.0%	17	0	0

ATTACHMENT 13

NORTH CAROLINA AGRICULTURE COST SHARE PROGRAM
SPOT CHECK REPORT SUMMARY FY2021

DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	TOTAL # CONTRACTS	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	IN COMPLIANCE/NEEDS MAINTENANCE
MONTGOMERY	2	4	10	40.0%	4	0	0
MOORE	1	21	30	70.0%	21	0	0
NASH	4	2	37	5.4%	2	0	0
NEW HANOVER	2	0	0	#DIV/0!	0	0	0
NORTHAMPTON	1	6	6	100.0%	6	0	2
ONSLOW	1	8	39	20.5%	8	0	1
ORANGE	2	15	108	13.9%	15	0	0
PAMLICO	1	1	9	11.1%	1	0	1
PASQUOTANK (ALBEMARLE)	3	3	16	18.8%	3	0	0
PENDER	1	3	28	10.7%	3	0	0
PERQUIMANS (ALBEMARLE)	4	2	47	4.3%	2	0	0
PERSON	2	7	116	6.0%	7	0	1
PITT	2	8	115	7.0%	8	0	0
POLK	2	2	20	10.0%	2	0	0
RANDOLPH	2	5	34	14.7%	5	0	0
RICHMOND	1	3	20	15.0%	3	0	0
ROBESON	1	6	96	6.3%	6	0	0
ROCKINGHAM	2	9	167	5.4%	9	0	0
ROWAN	1	3	39	7.7%	3	0	0
RUTHERFORD	1	5	50	10.0%	4	1	0
SAMPSON	4	8	71	11.3%	8	0	0
SCOTLAND	1	3	20	15.0%	3	0	0
STANLY	2	5	33	15.2%	5	0	0
STOKES	3	8	85	9.4%	7	1	1
SURRY	1	6	106	5.7%	6	0	0
SWAIN	1	6	40	15.0%	6	0	0
TRANSYLVANIA	1	5	43	11.6%	5	0	0
TYRRELL	2	2	20	10.0%	2	0	0
UNION	1	15	59	25.4%	14	1	0
VANCE	1	3	60	5.0%	3	0	0
WAKE	5	5	100	5.0%	5	0	1
WARREN	1	6	73	8.2%	6	0	1
WASHINGTON	1	5	100	5.0%	5	0	0
WATAUGA	1	10	63	15.9%	10	0	0
WAYNE	2	18	119	15.1%	18	0	1
WILKES	5	29	51	56.9%	29	0	0
WILSON	1	5	67	7.5%	5	0	0
YADKIN	1	16	93	17.2%	16	0	0
YANCEY	1	22	172	12.8%	22	0	0
TOTALS	**195**	**726**	**5,820**	**12.5%**	**712**	**14**	**35**
					In Compliance	**Out of Compliance**	**Needs Maintenance**
					98.1%	**1.9%**	**4.8%**



ATTACHMENT 13

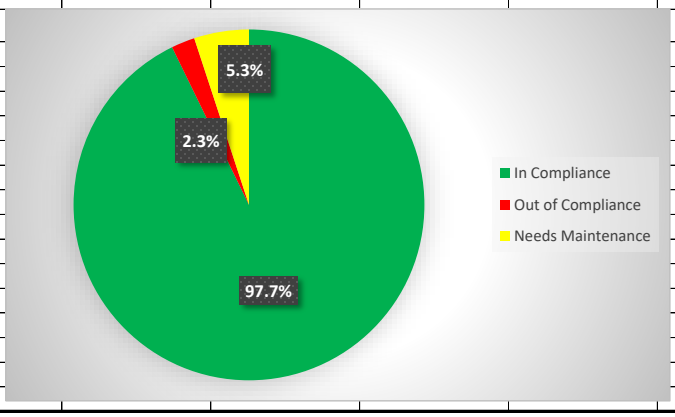
NORTH CAROLINA AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM
SPOT CHECK REPORT SUMMARY FY2021

DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	TOTAL # CONTRACTS	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	IN COMPLIANCE/NEEDS MAINTENANCE
ALAMANCE	3	2	2	100.0%	2	0	0
ALEXANDER	3	1	5	20.0%	1	0	0
ALLEGHANY	3	1	7	14.3%	1	0	0
ANSON (BROWN CREEK)	3	1	6	16.7%	1	0	0
ASHE (NEW RIVER)	2	1	8	12.5%	1	0	0
AVERY	1	6	8	75.0%	6	0	0
BEAUFORT	2	1	4	25.0%	1	0	0
BERTIE	1	1	1	100.0%	1	0	0
BLADEN	1	2	6	33.3%	2	0	0
BRUNSWICK	3	0	0	#DIV/0!	0	0	0
BUNCOMBE	2	5	10	50.0%	5	0	1
BURKE	3	3	7	42.9%	3	0	0
CABARRUS	1	1	6	16.7%	1	0	0
CALDWELL	3	1	3	33.3%	1	0	0
CAMDEN (ALBEMARLE)	1	0	0	#DIV/0!	0	0	0
CARTERET	1	1	1	100.0%	1	0	0
CASWELL	1	1	1	100.0%	1	0	0
CATAWBA	1	1	11	9.1%	1	0	0
CHATHAM	1	3	7	42.9%	3	0	0
CHEROKEE	1	7	30	23.3%	7	0	0
CHOWAN (ALBEMARLE)	1	1	1	100.0%	1	0	0
CLAY	2	5	10	50.0%	5	0	1
CLEVELAND	5	14	20	70.0%	14	0	0
COLUMBUS	2	1	8	12.5%	1	0	0
CRAVEN	1	0	0	#DIV/0!	0	0	0
CUMBERLAND	2	1	6	16.7%	1	0	0
CURRITUCK (ALBEMARLE)	3	0	0	#DIV/0!	0	0	0
DARE	1	1	1	100.0%	1	0	0
DAVIDSON	1	1	1	100.0%	1	0	0
DAVIE	2	1	1	100.0%	1	0	0
DUPLIN	1	10	39	25.6%	10	0	0
DURHAM	3	3	9	33.3%	2	1	0
EDGECOMBE	2	2	2	100.0%	2	0	0
FORSYTH	2	1	7	14.3%	1	0	0
FRANKLIN	2	2	7	28.6%	2	0	0
GASTON	4	2	7	28.6%	2	0	0
GATES	1	2	4	50.0%	2	0	0
GRAHAM	1	5	17	29.4%	4	1	0
GRANVILLE	1	1	3	33.3%	1	0	0
GREENE	1	1	1	100.0%	0	1	0
GUILFORD	4	3	19	15.8%	3	0	0
HALIFAX (FISHING CREEK)	4	9	9	100.0%	9	0	4
HARNETT	5	2	5	40.0%	2	0	0
HAYWOOD	1	4	7	57.1%	4	0	0
HENDERSON	2	6	17	35.3%	6	0	0
HERTFORD	1	4	4	100.0%	4	0	0
HOKE	2	1	2	50.0%	1	0	0
HYDE	4	1	2	50.0%	1	0	0
IREDELL	1	1	5	20.0%	1	0	0
JACKSON	2	1	1	100.0%	1	0	0
JOHNSTON	3	4	14	28.6%	4	0	1
JONES	1	2	5	40.0%	2	0	0
LEE	5	6	11	54.5%	6	0	0
LENOIR	1	1	4	25.0%	1	0	1
LINCOLN	2	12	9	133.3%	10	2	0
MACON	1	1	2	50.0%	1	0	0
MADISON	2	1	9	11.1%	1	0	0
MARTIN	1	0	0	#DIV/0!	0	0	0
MCDOWELL	1	1	7	14.3%	1	0	0
MECKLENBURG	4	2	6	33.3%	2	0	0

ATTACHMENT 13

NORTH CAROLINA AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM
SPOT CHECK REPORT SUMMARY FY2021

DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	TOTAL # CONTRACTS	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	IN COMPLIANCE/NEEDS MAINTENANCE
MITCHELL	2	4	17	23.5%	4	0	0
MONTGOMERY	2	1	2	50.0%	1	0	0
MOORE	1	21	30	70.0%	21	0	0
NASH	4	1	5	20.0%	1	0	0
NEW HANOVER	2	0	0	#DIV/0!	0	0	0
NORTHAMPTON	1	0	0	#DIV/0!	0	0	0
ONSLOW	1	10	10	100.0%	10	0	1
ORANGE	2	2	6	33.3%	2	0	0
PAMLICO	1	1	1	100.0%	1	0	0
PASQUOTANK (ALBEMARLE)	3	1	1	100.0%	1	0	0
PENDER	1	3	10	30.0%	3	0	0
PERQUIMANS (ALBEMARLE)	4	2	3	66.7%	2	0	0
PERSON	2	1	1	100.0%	1	0	0
PITT	2	2	7	28.6%	2	0	0
POLK	2	2	3	66.7%	2	0	0
RANDOLPH	2	1	10	10.0%	1	0	0
RICHMOND	1	1	3	33.3%	1	0	1
ROBESON	1	2	39	5.1%	2	0	0
ROCKINGHAM	2	4	16	25.0%	3	1	0
ROWAN	1	2	10	20.0%	2	0	0
RUTHERFORD	1	4	4	100.0%	4	0	0
SAMPSON	4	8	13	61.5%	8	0	4
SCOTLAND	1	1	2	50.0%	1	0	0
STANLY	2	2	9	22.2%	2	0	0
STOKES	3	1	6	16.7%	1	0	0
SURRY	1	2	22	9.1%	2	0	0
SWAIN	1	1	1	100.0%	1	0	0
TRANSYLVANIA	1	2	2	100.0%	2	0	0
TYRRELL	2	0	0	#DIV/0!	0	0	0
UNION	1	1	14	7.1%	1	0	0
VANCE	1	1	5	20.0%	1	0	0
WAKE	5	1	10	10.0%	1	0	0
WARREN	1	1	1	100.0%	1	0	0
WASHINGTON	1	1	1	100.0%	1	0	0
WATAUGA	1	2	6	33.3%	2	0	0
WAYNE	2	2	7	28.6%	2	0	0
WILKES	5	11	42	26.2%	11	0	0
WILSON	1	1	3	33.3%	1	0	0
YADKIN	1	2	20	10.0%	2	0	0
YANCEY	1	3	6	50.0%	3	0	0
TOTALS	**195**	**263**	**753**	**34.9%**	**257**	**6**	**14**
					In Compliance	**Out of Compliance**	**Needs Maintenance**
					97.7%	**2.3%**	**5.3%**



ATTACHMENT 13

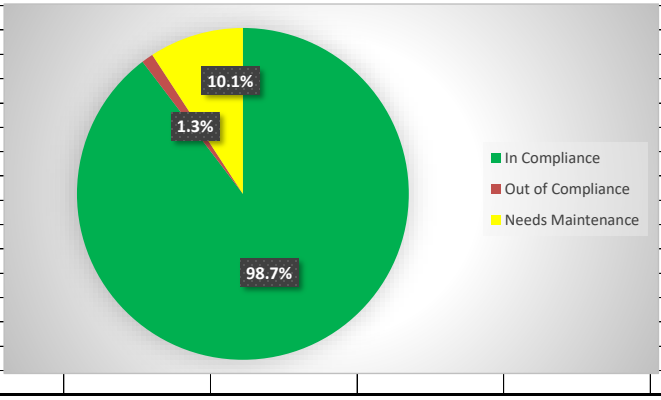
NORTH CAROLINA COMMUNITY CONSERVATION ASSISTANCE PROGRAM
SPOT CHECK REPORT SUMMARY FY2021

DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	TOTAL # CONTRACTS	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	IN COMPLIANCE/NEEDS MAINTENANCE
ALAMANCE	3	0	0	#DIV/0!	0	0	0
ALEXANDER	3	1	7	14.3%	1	0	0
ALLEGHANY	3	2	5	40.0%	2	0	0
ANSON (BROWN CREEK)	3	0	0	#DIV/0!	0	0	0
ASHE (NEW RIVER)	2	1	4	25.0%	1	0	0
AVERY	1	4	6	66.7%	4	0	1
BEAUFORT	2	0	0	#DIV/0!	0	0	0
BERTIE	1	0	0	#DIV/0!	0	0	0
BLADEN	1	0	0	#DIV/0!	0	0	0
BRUNSWICK	3	2	6	33.3%	2	0	0
BUNCOMBE	2	1	8	12.5%	1	0	0
BURKE	3	1	7	14.3%	1	0	0
CABARRUS	1	1	12	8.3%	1	0	0
CALDWELL	3	1	10	10.0%	1	0	0
CAMDEN (ALBEMARLE)	1	1	1	100.0%	1	0	0
CARTERET	1	7	9	77.8%	7	0	0
CASWELL	1	0	0	#DIV/0!	0	0	0
CATAWBA	1	1	5	20.0%	1	0	0
CHATHAM	1	1	13	7.7%	1	0	0
CHEROKEE	1	1	1	100.0%	1	0	0
CHOWAN (ALBEMARLE)	1	0	0	#DIV/0!	0	0	0
CLAY	2	3	3	100.0%	3	0	0
CLEVELAND	5	1	1	100.0%	1	0	0
COLUMBUS	2	0	0	0.0%	0	0	0
CRAVEN	1	0	0	#DIV/0!	0	0	0
CUMBERLAND	2	0	0	#DIV/0!	0	0	0
CURRITUCK (ALBEMARLE)	3	0	0	#DIV/0!	0	0	0
DARE	1	1	2	50.0%	1	0	0
DAVIDSON	1	0	0	#DIV/0!	0	0	0
DAVIE	2	0	0	#DIV/0!	0	0	0
DUPLIN	1	0	0	0.0%	0	0	0
DURHAM	3	1	17	5.9%	0	1	0
EDGECOMBE	2	1	1	100.0%	1	0	0
FORSYTH	2	1	9	11.1%	1	0	0
FRANKLIN	2	0	0	#DIV/0!	0	0	0
GASTON	4	1	3	33.3%	1	0	0
GATES	1	0	0	#DIV/0!	0	0	0
GRAHAM	1	0	0	#DIV/0!	0	0	0
GRANVILLE	1	0	0	#DIV/0!	0	0	0
GREENE	1	0	0	#DIV/0!	0	0	0
GUILFORD	4	1	5	20.0%	1	0	0
HALIFAX (FISHING CREEK)	4	0	0	#DIV/0!	0	0	0
HARNETT	5	1	5	20.0%	1	0	1
HAYWOOD	1	1	7	14.3%	1	0	0
HENDERSON	2	1	8	12.5%	1	0	1
HERTFORD	1	1	3	33.3%	1	0	0
HOKE	2	0	0	#DIV/0!	0	0	0
HYDE	4	0	0	#DIV/0!	0	0	0
IREDELL	1	0	0	#DIV/0!	0	0	0
JACKSON	2	2	4	50.0%	2	0	0
JOHNSTON	3	1	10	10.0%	1	0	0
JONES	1	1	1	100.0%	1	0	0
LEE	5	0	0	#DIV/0!	0	0	0
LENOIR	1	0	0	#DIV/0!	0	0	0
LINCOLN	2	2	2	100.0%	2	0	0
MACON	1	2	2	100.0%	2	0	0
MADISON	2	1	6	16.7%	1	0	1
MARTIN	1	0	0	#DIV/0!	0	0	0
MCDOWELL	1	1	2	50.0%	1	0	0
MECKLENBURG	4	2	5	40.0%	2	0	0
MITCHELL	2	1	5	20.0%	1	0	0

ATTACHMENT 13

NORTH CAROLINA COMMUNITY CONSERVATION ASSISTANCE PROGRAM
SPOT CHECK REPORT SUMMARY FY2021

DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	TOTAL # CONTRACTS	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	IN COMPLIANCE/NEEDS MAINTENANCE
MONTGOMERY	2	0	0	#DIV/0!	0	0	0
MOORE	1	0	0	#DIV/0!	0	0	0
NASH	4	1	5	20.0%	1	0	0
NEW HANOVER	2	2	2	100.0%	2	0	2
NORTHAMPTON	1	0	0	#DIV/0!	0	0	0
ONSLOW	1	1	9	11.1%	1	0	0
ORANGE	2	1	15	6.7%	1	0	0
PAMLICO	1	0	0	#DIV/0!	0	0	0
PASQUOTANK (ALBEMARLE)	3	1	1	100.0%	1	0	0
PENDER	1	2	2	100.0%	2	0	0
PERQUIMANS (ALBEMARLE)	4	0	0	#DIV/0!	0	0	0
PERSON	2	0	0	#DIV/0!	0	0	0
PITT	2	1	3	33.3%	1	0	0
POLK	2	0	0	#DIV/0!	0	0	0
RANDOLPH	2	1	11	9.1%	1	0	0
RICHMOND	1	0	0	#DIV/0!	0	0	0
ROBESON	1	0	0	#DIV/0!	0	0	0
ROCKINGHAM	2	0	0	#DIV/0!	0	0	0
ROWAN	1	0	0	#DIV/0!	0	0	0
RUTHERFORD	1	1	1	100.0%	1	0	0
SAMPSON	4	0	0	#DIV/0!	0	0	0
SCOTLAND	1	0	0	#DIV/0!	0	0	0
STANLY	2	0	0	#DIV/0!	0	0	0
STOKES	3	1	8	12.5%	1	0	0
SURRY	1	1	10	10.0%	1	0	0
SWAIN	1	1	1	100.0%	1	0	0
TRANSYLVANIA	1	1	4	25.0%	1	0	0
TYRRELL	2	1	4	25.0%	1	0	0
UNION	1	0	0	#DIV/0!	0	0	0
VANCE	1	0	0	#DIV/0!	0	0	0
WAKE	5	1	18	5.6%	1	0	1
WARREN	1	1	1	100.0%	1	0	1
WASHINGTON	1	0	0	#DIV/0!	0	0	0
WATAUGA	1	2	5	40.0%	2	0	0
WAYNE	2	0	0	#DIV/0!	0	0	0
WILKES	5	3	4	75.0%	3	0	0
WILSON	1	1	1	100.0%	1	0	0
YADKIN	1	2	6	33.3%	2	0	0
YANCEY	1	1	4	25.0%	1	0	0
TOTALS	**195**	**79**	**310**	**25.5%**	**78**	**1**	**8**
					In Compliance	**Out of Compliance**	**Needs Maintenance**
					98.7%	**1.3%**	**10.1%**



Extension Requests

Contract Extensions Requested

- 161 Contracts impacting 46 Districts
- Division staff provided follow-up resulting in cancellations and payments
- Revised handouts for 14A and 14B provided to reflect only outstanding contracts.

Item 14A: Contract Extension for Contracts Meeting May 2021 Policy Exceptions

Waived District Supervisor attendance requirement for the following reasons:

1. Contracts pended for JAA for those outside district JAA level.
2. Contracts with designs provided with less than 1 year to install.
3. COVID related hardship
4. Wet weather

Item 14A: Contract Extension for Contracts Meeting May 2021 Policy Exceptions

- All contracts in 14A meet one or more of the requirements for the exception.
- All contracts meet SWCC extension criteria.
- Staff recommendation to extend all contracts.

Item 14B: Contract Extension Requests from Districts

- 4 Contracts impacting 3 Districts
- Districts are available to present their requested extensions and answer questions as listed in Attachment 14B.

Craven Soil & Water Conservation District

- 25-2019-001 – ACSP Waste Treatment Lagoon: Waste Impoundment Closure

Duplin Soil & Water Conservation District

- 31-2019-804 – AgWRAP Water Supply Well & Pump

Onslow Soil & Water Conservation District

- 67-2019-504 – CCAP Critical Area Planting
- 67-2019-901 – CREP Cropland Conversion to Trees

Item 14B: Contract Extension for Contracts

- All contracts meet SWCC extension criteria. Staff recommendation to extend all contracts.

Process Improvements for FY2022

- New online Cancellation Form for District Use
- New online 6 Month Extension Form for District Use with Division follow-up.

ATTACHMENT 14A - BLUE

Contract Number	District	Program	Reason for extension	Meets May 2021 Approved Exception
00-2019-005	Yancey	ACSP	COVID Related Hardship| Engineering/JAA/Design delays	Yes
06-2019-501	Avery	CCAP	Engineering/JAA/Design delays	Yes
07-2018-802	Beaufort	AgWRAP	COVID Related Hardship	Yes
07-2019-004	Beaufort	ACSP	Weather related (excessive rain)	Yes
07-2019-008	Beaufort	ACSP	Weather related (excessive rain)	Yes
11-2017-002	Buncombe	ACSP	Engineering/JAA/Design delays	Yes
11-2017-007	Buncombe	ACSP	Engineering/JAA/Design delays	Yes
11-2018-801	Buncombe	AgWRAP	Engineering/JAA/Design delays	Yes
11-2019-008	Buncombe	ACSP	Engineering/JAA/Design delays	Yes
11-2019-009	Buncombe	ACSP	COVID Related Hardship| Other - Provide description below: Materials are hard to get at a reasonable cost	Yes
11-2019-802	Buncombe	AgWRAP	COVID Related Hardship	Yes
11-2019-803	Buncombe	AgWRAP	COVID Related Hardship| Engineering/JAA/Design delays	Yes
12-2019-002	Burke	ACSP	Weather related (excessive rain)| COVID Related Hardship| Contractor related (equipment access, breakdown)	Yes
12-2019-005	Burke	ACSP	Engineering/JAA/Design delays	Yes
12-2019-501	Burke	CCAP	Engineering/JAA/Design delays	Yes
13-2017-003	Cabarrus	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
13-2017-007	Cabarrus	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
13-2018-001	cabarrus	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
13-2018-002	Cabarrus	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
13-2019-005	Cabarrus	ACSP	Weather related (excessive rain)	Yes
17-2018-026	Caswell	AgWRAP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
18-2019-001	Catawba	ACSP	Weather related (excessive rain)| COVID Related Hardship| Personal related (sickness, death in family)	Yes
20-2014-807	Cherokee	AgWRAP	Weather related (excessive rain)| COVID Related Hardship| Other - Provide description below: lack of availability of needed drop boxes for pond repair	Yes
20-2018-805	Cherokee	AgWRAP	Engineering/JAA/Design delays	Yes
21-2019-001	Chowan	ACSP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
21-2019-004	Chowan	ACSP	Weather related (excessive rain)	Yes
21-2019-007	Chowan	ACSP	Weather related (excessive rain)	Yes
22-2018-803	Clay	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays| Financial hardship| Other - Provide description below: Property was sold. Substitution of Parties was given to both parties for their signature.	Yes
~~22-2019-003~~	~~Clay~~	~~ACSP~~	~~Weather related (excessive rain)| COVID Related Hardship~~	~~Yes~~
22-2019-006	Clay	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
26-2019-003	Cumberland	ACSP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
26-2019-206	Cumberland	DISASTER	Weather related (excessive rain)	Yes
26-2019-801	Cumberland	AgWRAP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
26-2019-802	Cumberland	AgWRAP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
28-2018-504	Dare	CCAP	COVID Related Hardship	Yes
28-2019-502	Dare	CCAP	COVID Related Hardship	Yes
29-2018-011	Davidson	ACSP	COVID Related Hardship| Other - Provide description below: Delay in receiving utilities easement.	Yes
29-2019-002	Davidson	ACSP	Weather related (excessive rain)	Yes
29-2019-003	Davidson	ACSP	Weather related (excessive rain)	Yes
31-2019-006	Duplin	ACSP	Engineering/JAA/Design delays	Yes

ATTACHMENT 14A - BLUE

31-2019-007	Duplin	ACSP	Engineering/JAA/Design delays	Yes
31-2019-010	Duplin	ACSP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
31-2019-511	Duplin	DISASTER	Weather related (excessive rain)| Personal related (sickness, death in family)	Yes
31-2019-514	Duplin	DISASTER	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
31-2019-519	Duplin	DISASTER	Weather related (excessive rain)| Other - Provide description below: Installation of Grassed Waterway will destroy renovation. Wallace received design 8/10/20.	Yes
31-2019-521	Duplin	DISASTER	Weather related (excessive rain)| COVID Related Hardship	Yes
31-2019-523	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-535	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-536	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-540	Duplin	DISASTER	Weather related (excessive rain)| COVID Related Hardship| Personal related (sickness, death in family)	Yes
31-2019-541	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-544	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-546	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-547	Duplin	DISASTER	Weather related (excessive rain)| COVID Related Hardship| Contractor related (equipment access, breakdown)	Yes
31-2019-553	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-555	Duplin	DISASTER	Weather related (excessive rain)| Other - Provide description below: Personnel change	Yes
31-2019-556	Duplin	DISASTER	Weather related (excessive rain)	Yes
31-2019-558	Duplin	DISASTER	Weather related (excessive rain)| Personal related (sickness, death in family)| Contractor related (equipment access, breakdown)	Yes
31-2019-560	Duplin	DISASTER	Weather related (excessive rain)| Other - Provide description below: Lack of sprigs in spring 2020.	Yes
34-2018-802	Forsyth	AgWRAP	Weather related (excessive rain)	Yes
34-2019-001	Forsyth	ACSP	Engineering/JAA/Design delays	Yes
36-2019-290	Gaston	ACSP	COVID Related Hardship	Yes
41-2019-803	Guilford SWCD	AgWRAP	Engineering/JAA/Design delays| Other - Provide description below: Waiting on Land Quality-Dam Safety to approve, Required the farmer to get a Geologist for soils investigation.	Yes
42-2018-811	Halifax (Fishing CreeK)	AgWRAP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
42-2018-812	Halifax (Fishing Creek)	AgWRAP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
42-2019-813	Halifax (Fishing Creek)	AgWRAP	Weather related (excessive rain)| Personal related (sickness, death in family)	Yes
44-2016-003	Haywood	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
44-2017-003	Haywood	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
44-2018-018	Haywood	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
47-2019-004	Hoke	ACSP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)| Other - Provide description below: Land was sold before owner install and new owner will put in the practice	Yes
48-2019-004	Hyde	ACSP	Engineering/JAA/Design delays	Yes
52-2018-002	Jones	ACSP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
52-2019-601	Jones	DISASTER	Weather related (excessive rain)	Yes
52-2019-609	Jones	DISASTER	Weather related (excessive rain)|	Yes
54-2019-006	Lenoir	ACSP	Engineering/JAA/Design delays	Yes
54-2019-305	Lenoir	AgWRAP	Weather related (excessive rain)	Yes
54-2019-332	Lenoir	DISASTER	Weather related (excessive rain)| Personal related (sickness, death in family)	Yes

ATTACHMENT 14A - BLUE

55-2019-375	Lincoln	ACSP	Engineering/JAA/Design delays| Other - Provide description below: District Issues	Yes
57-2017-003	Madison	ACSP	Weather related (excessive rain)| COVID Related Hardship| Financial hardship	Yes
57-2017-005	Madison	ACSP	Weather related (excessive rain)| COVID Related Hardship| Personal related (sickness, death in family)| Contractor related (equipment access, breakdown)	Yes
57-2018-001	Madison	ACSP	Weather related (excessive rain)| COVID Related Hardship| Personal related (sickness, death in family)| Contractor related (equipment access, breakdown)	Yes
57-2018-802	Madison	AgWRAP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
57-2019-101	Madison	AgWRAP	Weather related (excessive rain)|COVID Related Hardship|	Yes
59-2019-001	McDowell	ACSP	Engineering/JAA/Design delays	Yes
60-2018-001	Mecklenburg	ACSP	COVID Related Hardship| Engineering/JAA/Design delays	Yes
60-2019-002	Mecklenburg	AgWRAP	COVID Related Hardship| Contractor related (equipment access, breakdown)	Yes
60-2019-003	Mecklenburg	ACSP	Engineering/JAA/Design delays	Yes
60-2019-004	Mecklenburg	ACSP	Engineering/JAA/Design delays	Yes
61-2019-001	Mitchell	ACSP	Weather related (excessive rain)| COVID Related Hardship	Yes
66-2019-004	Northampton	ACSP	Weather related (excessive rain)| Engineering/JAA/Design delays| Contractor related (equipment access, breakdown)| Other - Provide description below: Contractor out due to physical injury, contractor scheduling conflicts	Yes
67-2019-005	Onslow	ACSP	COVID Related Hardship| Other - Provide description below:	Yes
67-2019-109	Onslow	DISASTER	Engineering/JAA/Design delays	Yes
~~67-2019-504~~	~~Onslow~~	~~CCAP~~	Moved to 14B	No
67-2019-804	Onslow	AgWRAP	Engineering/JAA/Design delays| Contractor related (equipment access, breakdown)	Yes
68-2019-014	Orange	ACSP	Weather related (excessive rain)| Other - Provide description below: Development/approval of Nutrient Management Plan (NMP)	Yes
72-2019-001	Perquimans	ACSP	Weather related (excessive rain)	Yes
72-2019-002	Perquimans	ACSP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
73-2019-006	Person	ACSP	Weather related (excessive rain)	Yes
73-2019-008	Person	ACSP	Weather related (excessive rain)	Yes
~~73-2019-009~~	~~Person~~	~~ACSP~~	~~Weather related (excessive rain)| Contractor related (equipment access, breakdown)| Other~~	Yes
73-2019-801	Person	AgWRAP	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
78-2019-004	Robeson	ACSP	COVID Related Hardship| Contractor related (equipment access, breakdown)	Yes
78-2019-200	Robeson	DISASTER	Weather related (excessive rain)| Contractor related (equipment access, breakdown)	Yes
79-2018-010	Rockingham	AgWRAP	Weather related (excessive rain)| Financial hardship| Other - Provide description below: The farmer had to figure if they had enough funds and this took awhile because they wanted to see if we could get more funding through the commission.	Yes
80-2019-007	Rowan	AgWRAP	COVID Related Hardship| Engineering/JAA/Design delays	Yes
80-2019-008	Rowan	AgWRAP	Engineering/JAA/Design delays	Yes
80-2019-009	Rowan	CCAP	Engineering/JAA/Design delays	Yes
80-2019-010	Rowan	ACSP	COVID Related Hardship| Personal related (sickness, death in family)| Financial hardship	Yes
82-2017-801	Sampson	AgWRAP	Weather related (excessive rain)| COVID Related Hardship	Yes
82-2019-403	Sampson	DISASTER	Weather related (excessive rain)	Yes
82-2019-803	Sampson	AgWRAP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
84-2016-802	Stanly	AgWRAP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays| Contractor related (equipment access, breakdown)	Yes

ATTACHMENT 14A - BLUE

84-2017-801	Stanly	AgWRAP	Engineering/JAA/Design delays| Contractor related (equipment access, breakdown)	Yes
84-2019-004	Stanly	ACSP	Weather related (excessive rain)| COVID Related Hardship| Contractor related (equipment access, breakdown)	Yes
84-2019-005	Stanly	ACSP	Weather related (excessive rain)	Yes
89-2019-005	Tyrrell	ACSP	Weather related (excessive rain)| COVID Related Hardship| Engineering/JAA/Design delays	Yes
91-2019-802	Vance	AgWRAP	COVID Related Hardship	Yes
92-2019-017	Wake	ACSP	Engineering/JAA/Design delays	Yes
94-2019-001	Washington	ACSP	Weather related (excessive rain)	Yes
94-2019-006	Washington	CREP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
94-2019-007	Washington	CREP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
94-2019-008	Washington	CREP	Weather related (excessive rain)| Engineering/JAA/Design delays	Yes
96-2019-740	Wayne	DISASTER	Weather related (excessive rain)	Yes

ATTACHMENT 14B - BLUE

Contract Number	District	Program	Reason for extension
~~07-2019-008~~	~~Beaufort~~	~~ACSP~~	~~Engineering/JAA/Design delays.~~ Moved to 14A due to wet weather exception after speaking with district.
25-2019-001	Craven	ACSP	Problems discovered regarding application of waste which may require revision of waste plan. JAA for this contract is through NRCS. Per NRCS, "the lagoon cleanout (removal of liquid/sludge and installation of spillway) meets NRCS standards but the land application of effluent does not since it was over applied and will result in “high” phosphorus levels. Also, contractor applied on a field that was excluded from the plan due to high phosphorus levels. We will need to rerun PLAT using the application rates the contractor used for documentation purposes." NRCS is planning to re-run the waste plan before making a final/official decision.
31-2019-804	Duplin	AgWRAP	There was miscommunication with paperwork and the producer thought his contract was dead. He had an NRCS application for irrigation and did not update his AGI form so his NRCS contract was canceled. The letter the producer received was from NRCS and he assumed it was for the AgWRAP well also.
~~47-2019-005~~	~~Hoke~~	~~ACSP~~	~~Contractor related (equipment access, breakdown)| Financial hardship.~~ District requested cancellation after speaking with cooperator.
~~54-2019-003~~	~~Lenoir~~	~~ACSP~~	~~Other - Provide description below: HEL Violation needed to be fixed prior to converting cropland so it was not damaged or destroyed during the installation of terraces and water control structures.~~ Division received signed RFP.
~~54-2019-801~~	~~Lenoir~~	~~AgWRAP~~	~~Personal related (sickness, death in family)| Contractor related (equipment access, breakdown).~~ Contract was approved on July 8, 2021. Moved to 14A
67-2019-504	Onslow	CCAP	The Town of Swansboro is in need of an extension due to lack of funds in the town FY 2021 budget to fix the critical area project. The critical area was planned to fix a small erosion site developing around a french drain. The town identified that the erosion was being caused by a leaking pipe from the town's building a few hundred feet from the drain. The Town wanted to fix the pipe before fixing the erosion site around the french drain so that they wouldn’t have to fix the critical area site twice. However, they did not have enough funds in their FY 2021 budget to cover fixing the pipe and the critical area. This extension is requested so that they can use FY 2022 funds to fix the site. The critical area will be the last payment/project associated with this contract (4/5 BMPS for this contract are already completed). *Appeared on other list in packet.*
67-2019-901	Onslow	CREP	The cooperator on this contract passed away on February 8, 2021. This extension is requested to give the cooperator's son and the family lawyer time to conduct the paperwork to create a Trust, to transfer the contracts into the Trust's name, and to make the final payment in 2022. The CREP contract called for disking in year 2022. There be one more payment to make in 2022 and then the contract will be completed (6/7 BMPS have been completed).
~~91-2018-006~~	~~Vance~~	~~ACSP~~	~~Other - Provide description below: Sediment removal was completed, but was never paid. Will submit RFP soon.~~ Cooperator had two pond sediment removal contracts, the other one was completed. The District cancelled this contract.

ATTACHMENT 15A

STANLY
SOIL & WATER
CONSERVATION DISTRICT
26032-C Newt Road
Albemarle, NC 28001
PHONE: 704-986-3059 FAX: 704-982-1835

June 21, 2021

Dear North Carolina Soil and Water Conservation Commission Members:

This letter is a documented request asking that the Commission Members consider granting "Post Approval" to Cooperator William Howerton of Howerton Family Farms, contract number 84-2021-001. The contract is a Cropland Conversion to Trees in the amount of $5,176.00.

The contract was approved by the Stanly SWCD board at the October 2020 meeting. Rebecca Brickner, a new district employee, did not correctly enter the contract in CS2. This was the first contract she initiated and it was not done correctly due to her lack of experience, coupled with a lack of training due to COVID and social distancing. This oversight was discovered when Rebecca attempted to initiate a payment. Working with Regional Coordinator Ralston James as well as Lisa Fine, 84-2021-001 has been updated in CS2, and Rebecca has been made aware of the appropriate process as well as resources to seek guidance so this will not happen again. Our main concern is making this situation right for the Cooperator, as this mistake was not their fault.

I kindly ask you to please review this case and grant "Post Approval" to Contract 84-2021-001

Thank you very much for your consideration.

Curtis Furr
Chairman
Stanly Soil & Water Conservation District

ATTACHMENT 15B

STANLY
SOIL & WATER
CONSERVATION DISTRICT
26032-C Newt Road
Albemarle, NC 28001
PHONE: 704-986-3059 FAX: 704-982-1835

June 28, 2021

Dear North Carolina Soil and Water Conservation Commission Members:

This letter is a documented request asking that the Commission Members consider granting "Post Approval" to Cooperator Kenneth Linker, contract number 84-2020-802. The contract is a AGWRAP Well in the amount of $6,309.00.

The contract was approved by the Stanly SWCD board at the June 2020 meeting. Rebecca Brickner, a new district employee, uploaded additional reference material requested in November 2020. She did not fully "submit" the page, so they were never brought to the attention of Lisa Fine and the contract stayed pending. Again, this incorrect use of CS2 was due to her lack of experience, coupled with a lack of training due to COVID and social distancing. This was discovered when Rebecca attempted to initiate a payment in June 2021. 84-2020-802 was immediately updated in CS2, and Rebecca is reaching out to all Stanly SWCD's cooperators whose contracts are pended to ensure no work is scheduled until they are fully approved. Our main concern is making this situation right for the Cooperator, as this mistake was not his fault.

I kindly ask you to please review this case and grant "Post Approval" to Contract 84-2020-802.

Thank you very much for your consideration.

Curtis Furr
Chairman
Stanly Soil & Water Conservation District

ATTACHMENT 16

SUPERVISOR TRAINING CREDIT REPORT - July 2021

Since January 1, 2021, the following training credits have been awarded by the Division:

NCASWCD ANNUAL MEETING

- 285.25 STCs – Awarded to participating supervisors (176) – 1.0 STCs for meeting participation, plus awards vary based on Standing Committee participation and program/presenters

BASIC TRAINING FOR SOIL AND WATER CONSERVATION DISTRICT SUPERVISORS (UNC SOG)

- 504 STCs – Awarded to participating supervisors (84) – 6.0 STCs for participation

NCASWCD AREA SPRING MEETINGS

- 502 STCs – Awarded to participating supervisors in 8 Area Meetings – awards range from 1.5 STCs to 2.25 STCs based on program/presenters

LOCAL TRAINING ACTIVITIES

Division Sponsored

- 2.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Winter Training Series (live webinar) – *Calculation Tools and Facilitating an FLP Workshop*
- 1.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Winter Training Series (live webinar) – *District Share Session – Organizing Local Fundraisers*
- 1.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Winter Training Series (live webinar) – *Forestry BMPs and Water Quality*
- 1.25 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Winter Training Series (live webinar) – *CCAP Online Tests and how to obtain JAA*
- 1.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Winter Training Series (live webinar) – *Digging in to Soil Properties*
- 1.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Winter Training Series (live webinar) – *Riparian Buffer Rules in Nutrient Sensitive Waters*
- 1.25 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *Wildlife Management*
- 1.0 STCs – Awarded to one Buncombe Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *Long Range Planning*
- 1.0 STCs – Awarded to one Burke Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *Impaired Impacted Stream Survey Benefits to SWCDs*
- 1.0 STCs – Awarded to one Orange Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *EFH-2 Determining Peak Runoff*
- 1.0 STCs – Awarded to one Northampton Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *District Confidentiality*
- 1.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *Improving Soil Health While Grazing Cropland and Grassland*

- 1.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *Understanding the Produce Safety Rule and its relation to AgWRAP and ACSP*
- 1.0 STCs – Awarded to one Cumberland Supervisor and one Orange Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *Job Approval Authority Update*
- 1.5 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *Sales and Use Tax for SWCDs*
- 1.0 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *District Share Session – Contests and School Scheduling*
- 1.5 STCs – Awarded to one Cumberland Supervisor for participation in Division Sponsored Spring Training Series (live webinar) – *JEDI in Ag and Environmental Education*

Local Board Meetings

- 0.5 STCs – Awarded to five Richmond Supervisors (board meeting) for facilitated presentation on *AmeriCorps and NRCS Earth Team opportunities*
- 0.25 STCs – Awarded to five Harnett Supervisors (board meeting) for facilitated presentation on *Conservation Reserve Enhancement Program (CREP)*
- 1.5 STCs – Awarded to four New Hanover County Supervisors (board meeting) for training received at a board meeting with invited guest speakers – *NC Coastal Land Trust Executive Director, Walker Golder; New Hanover County Director of Recovery & Resilience, Beth Schrader*

Local Field Days / Outreach Events

- 1.5 STCs – Awarded to four New Hanover County Supervisors for participation in a water quality public outreach event featuring speakers from UNCW, City of Wilmington and private engineering firm (outreach event) – *A Watershed Moment Community Event*
- 1.5 STCs – Awarded to one New Hanover County Supervisor for participation in BMP field tour associated with the public outreach event (outreach event) – *A Watershed Moment Community Event*

In total, the following STCs have been awarded since December 2018:

2018-2022 TERMS

Total supervisors	6+ STCs	0-6 STCs	0 STCs
296	240	34	22
100 %	81 %	11.5 %	7.5 %

2020-2024 TERMS

Total supervisors	6+ STCs	0-6 STCs	0 STCs
196	58	91	47
100 %	29.5 %	46.5 %	24 %