

# Detailed Implementation Plan

Fiscal Year 2021



## Background

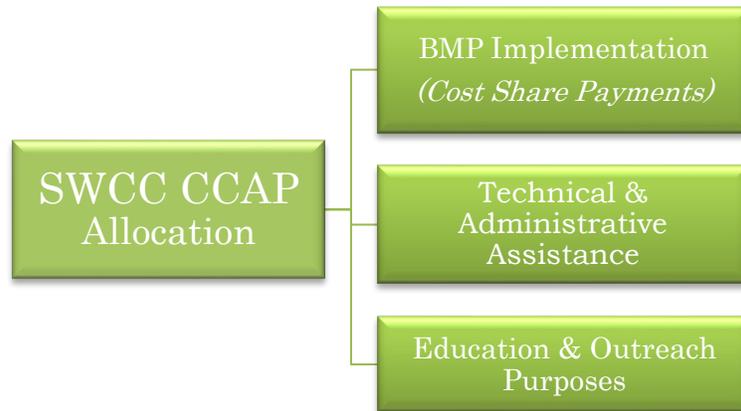
The North Carolina Community Conservation Assistance Program was authorized through Session Law 2006-78 and became effective on July 10, 2006. CCAP is implemented in accordance with the rules as published 02 NCAC 59 D .0104. CCAP is now a part of the Cost Share Program Rules, becoming effective on January 1, 2020. 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.

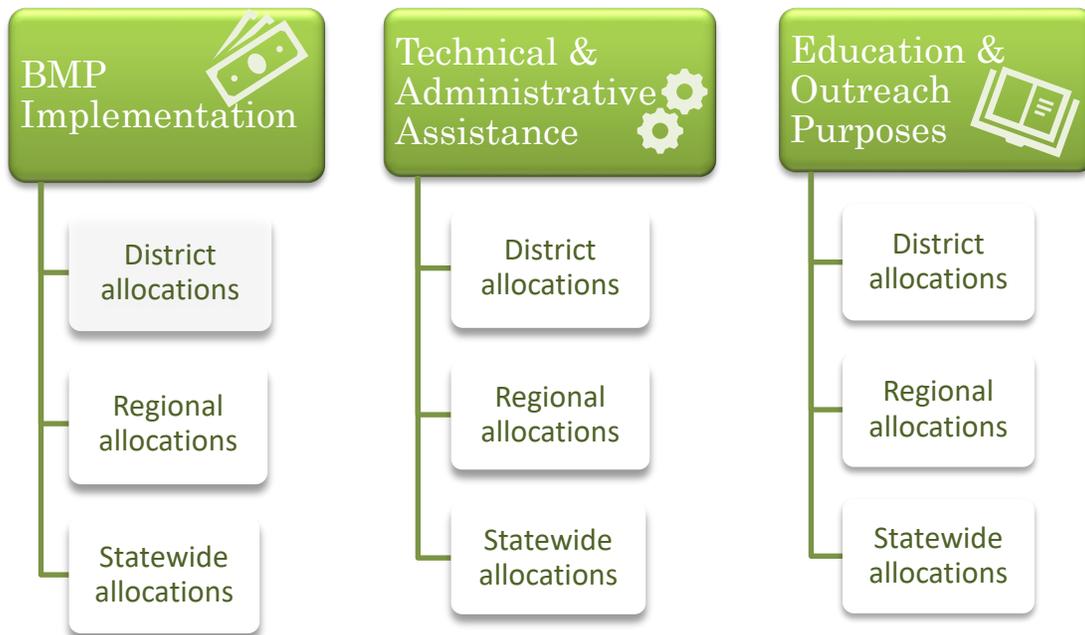
The Administrative Code governing the CCAP program allows the Commission to specify in this document, the CCAP annual Detailed Implementation Plan, the proportion of available funds to allocate for cost share payments, technical and administrative assistance, and education and outreach purposes and the 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

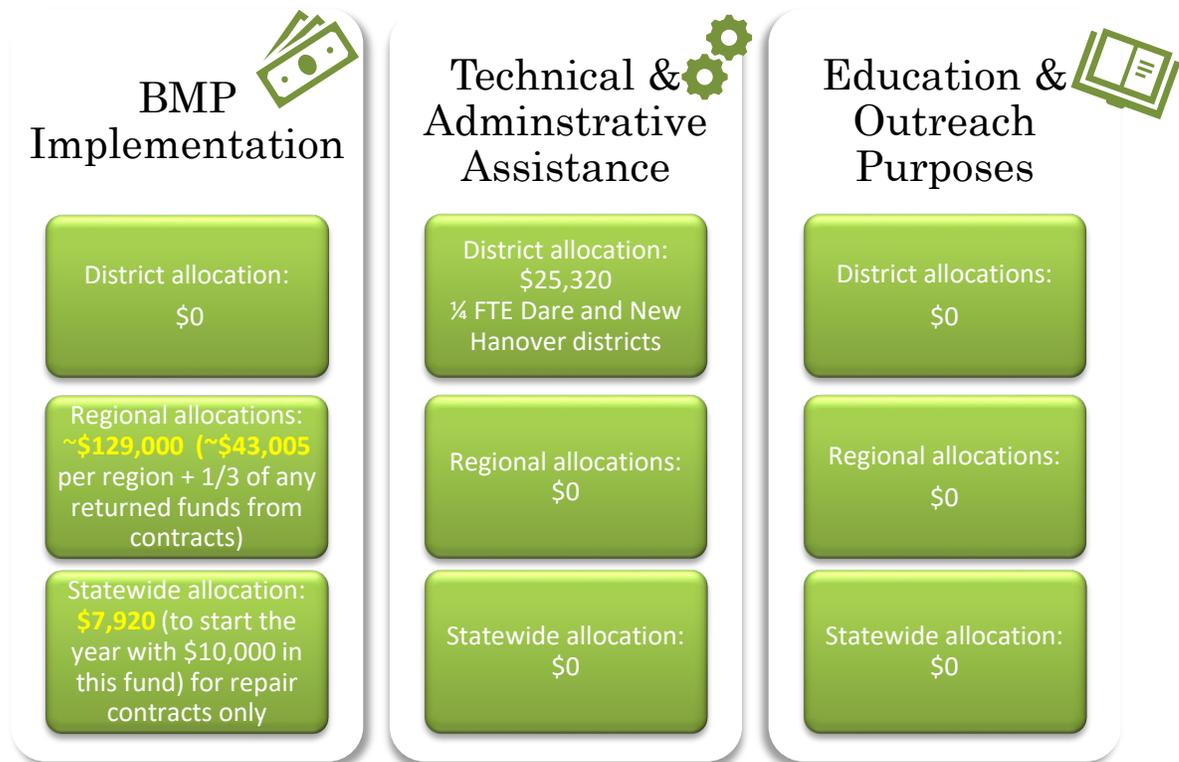


**Figure 2:** Soil and Water Conservation Commission CCAP allocation process for different funding pools



## Fiscal Year 2021 Allocation

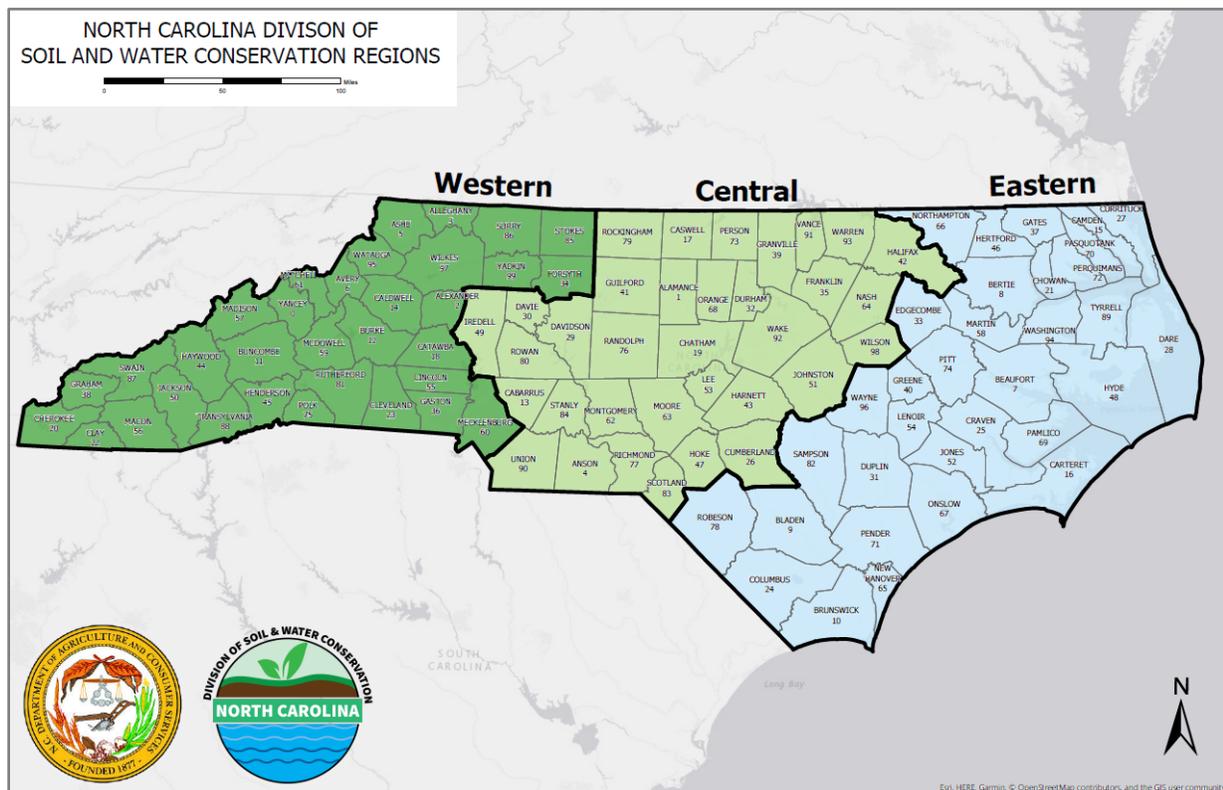
**Figure 3:** Proposed Soil and Water Conservation Commission FY2021 CCAP Allocation Strategy



The Commission will allocate approximately \$136,000 through a competitive regional application process for any of the approved 2020 CCAP conservation practices. \$7,920 will be allocated statewide for repair contracts as two repair contracts were funded in fiscal year 2020 and \$2,080 remains in this account. 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.

The remaining \$ allocation 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 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. 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.

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



## Fiscal Year 2021 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 procedures to obtain job approval authority
  - e. Implement CCAP education and outreach efforts

## Best Management Practices

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<sup>2</sup>. *Design Practice*
- (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<sup>2</sup>. *Design Practice*
- (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<sup>2</sup>. *Design Practice*
- (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<sup>2</sup>. *Design Practice*
- (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. *Design Practice*
- (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. *Design Practice*



- (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. *Design Practice*
- (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. *Design Practice*
- (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. *Design Practice*
- (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. *Design Practice*
- (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. *Design Practice*
- (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. *Design Practice*

