

Stream Restoration Grant - City of Hendersonville, ESB
Must be awarded by May, 2025
\$5,000. Total

Submitted by Virginia Tegel, March, 2025

Purpose

To enact strategy as outlined in the Sustainability Strategic Plan regarding Water:

- stream restoration efforts to demonstrate the importance of riparian buffers and water quality.

To fulfill outreach support by the Environmental Sustainability Board:

- Promote, facilitate, and act as liaison to educate citizens on environmental sustainability issues affecting the City of Hendersonville
- Review programs and activities other communities have implemented that would be effective in Hendersonville.

Program

Offer \$500 to ten city of Hendersonville homeowners, application date May 1, 2025. Awards to be reviewed by two ESB members and approved by board on May 13 meeting. Homeowners must submit receipts to be reimbursed by May 27. Reimbursement for applicable plants only. Any monies remaining could be allocated to existing native gardens - Brooklyn Community Gardens

Promote the project at Hendo Earth Fest, Farmer's Market 5/3 and online. Share with similarly minded organizations to promote (e.g., Co-op, Mountain True, Conserving Carolina, etc.)

Projects to be considered:

Establishing rain garden

Planting native shrubs/trees along stream bank

Planting live stakes along stream bank

RipRap (Stabilization using large rocks)I think rip rap could be done with bigger projects next year - it's helpful to reduce sedimentation

Something to consider: Funding under the program is on a first-come, first-served basis. Eligible project applications that exceed available funds will be rolled into the following program year, and applicants can reapply for additional funds in the following year.

To Apply, please submit the following to Caitlyn Gendusa, Sustainability Manager, cgendua@hvlnc.gov

1. Description of homesite for streambank restoration, including parcel number, any available plot maps and pictures.
2. Indicate if project is in response to damage from Hurricane Helene
3. Narrative outlining the streambank restoration activities to be undertaken and materials used (max 3 pages)
4. Funding request and any homeowner financial contribution

Evaluation/Documentation

Awardees must submit photographs as follows:

Before picture

Immediate after completion of project

One year after

Two years after

NC State Soil and Water

<https://www.ncagr.gov/soil-water/swcccap-brochure/download?attachment>

Grant administered thru <https://www.hendersoncountync.gov/soilwater>

[Community Conservation Assistance Program \(CCAP\)](#) - The Community Conservation Assistance Program is a voluntary, incentive-based program designed to improve water quality through the installation of various BMPs on urban, suburban and rural lands, not directly involved in agricultural production. CCAP consists of educational, technical, and financial assistance provided to landowners who are responding to increased urbanization. CCAP can help educate landowners on water quality, storm water management, and retrofit practices to treat storm water runoff. Common BMPs include riparian buffers, stream restorations, and abandoned well closures. CCAP focuses on water quality.

The purpose of the Community Conservation Assistance Program 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.

Applicants can be reimbursed up to 75 percent of a predetermined average cost or actual cost up to a cost cap for each BMP installed. The applicant is responsible for 25 percent of the costs. This may include the use of existing material and labor.

Questions??

Are there remaining funds

Average \$\$ award to homeowners

Raleigh

<https://raleighnc.gov/stormwater/services/apply-raleigh-rainwater-rewards>

Program Process

Here's what you need to do to complete a project. This process can take several months and varies based on the project type, location, and approvals.

<https://raleighnc.gov/stormwater/services/drainage-assistance-program/stream-stabilization-program>

1. Stream Stabilization **Stream Stabilization** helps with **minor to moderate erosion issues** caused by stormwater runoff coming from public streets or public properties (not otherwise covered by the Drainage Assistance Program).

2. Buffer Builder Bag Program

The **Buffer Builder Bag (B3) Program** is a voluntary program that provides City of Raleigh property owners with free native shrub and tree seedlings to help improve or create a streamside buffer on their property.

Buffer Builder Bag Plants



3. Stream Bank Repair Workshops

If you are experiencing **minor to moderate stream bank erosion** on your property, consider participating in **Stream Bank Repair Workshops**.

Lawrence

<https://www.lawrencevillega.org/772/Ditch-Stream-Bank-Stabilization-Program>

About the Stabilization Program

Stream bank stabilization protects stream banks from erosion and landslides using structural, vegetative, or bioengineering methods. These methods help prevent land loss, damage to adjacent facilities, and the downstream effects of sediment and greatly improve the quality of stormwater runoff.

Eligibility

Eligible properties within the city limits may qualify for stabilization assistance through the Engineering Department. The Stabilization Program is available to property owners who have a **ditch** or **stream** located within their property limits. Because of the special characteristics of ditches and streambanks, specific stabilization methods must be used to prevent erosion.

Application

Property owners interested in stabilization assistance must complete a [Stabilization Program Application \(PDF\)](#). A site plan is required as part of the application process.

The site plan should include the following:

- Area of concern, property limits, property structures, any easements, and stormwater infrastructure
- Area of material drop off and proposed quantity of material needed to correct the erosive conditions
- Narrative describing the method of stabilizing the erosion

<https://www.lawrencevillega.org/DocumentCenter/View/2702/Ditch--Stream-Bank-Stabilization-Program-Application-PDF?bidId=>

Davenport

https://www.davenportiowa.com/services/public_works/water/stormwater_water_run-off/_streambank_stabilization_cost-share_program

The City of Davenport offers a 50/50 cost-share program for private streambank stabilization projects. Under the program, residents and commercial entities adjacent to a common waterway can request to participate in the streambank stabilization program and split the cost of stabilization with the City.

The City must agree that the repair is needed and projects must be approved by 100% of affected property owners.

Once stabilization is complete, properties are invoiced for a percentage of the work based on lineal feet adjacent to the waterway. Property owners may pay the bill within 30 days or have the cost assessed to the property, allowing property owners to spread the cost of stabilization over time (up to ten years).

Funding under the program is on a first-come, first-served basis. Eligible project applications that exceed available funds will be rolled into the following program year