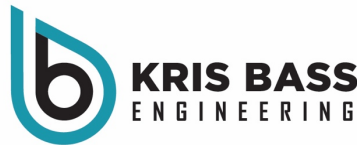


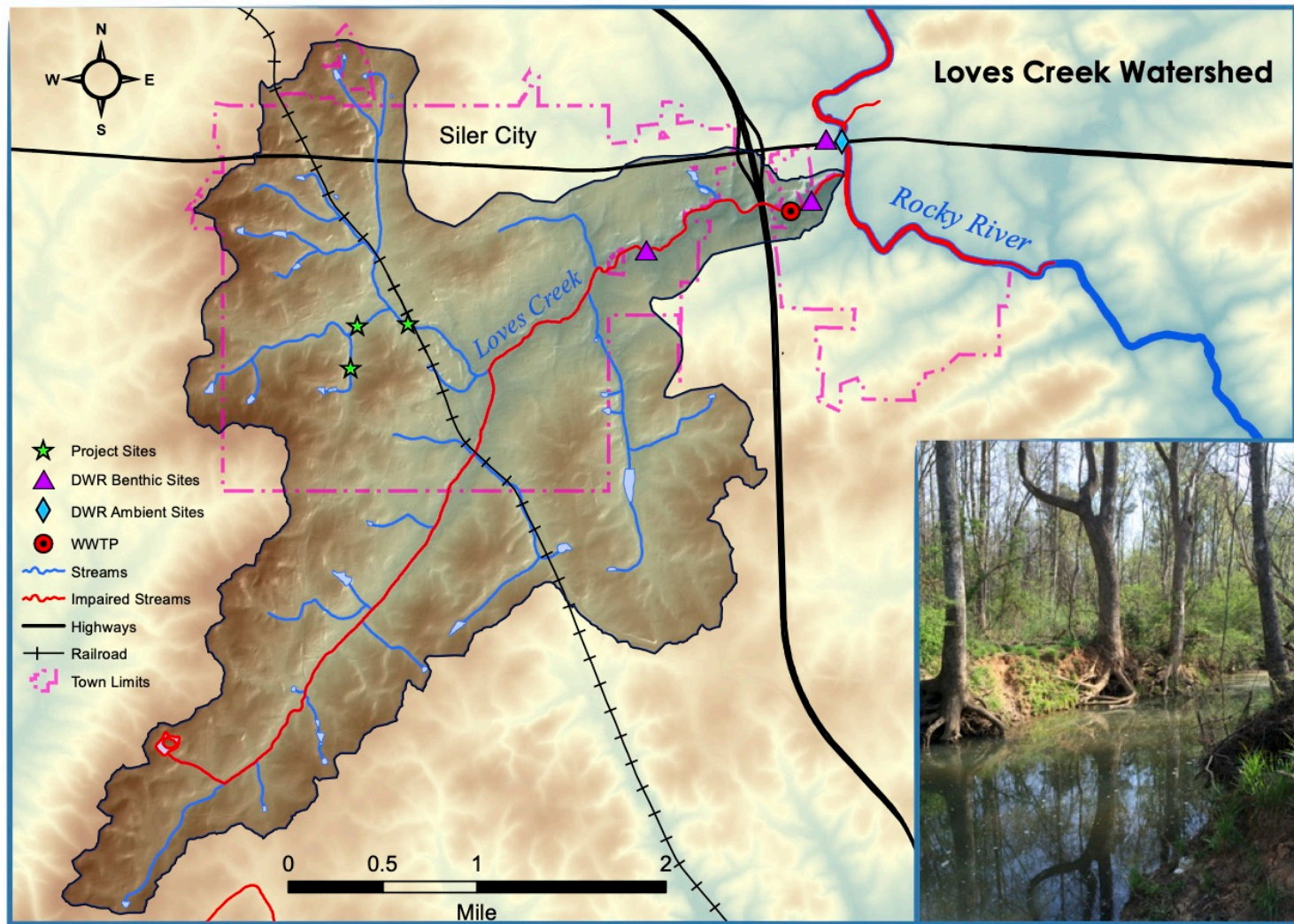
# Loves Creek Watershed Stewards



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# Loves Creek Watershed Stewards





**A WATERSHED IS THE AREA OF LAND THAT DRAINS TO A BODY OF WATER.**



The Loves Creek Watershed lies within the Rocky River Watershed in Chatham County, North Carolina, and encompasses 8 square miles. The Loves Creek Watershed is both rural and urban and is located mostly within the Town of Siler City and its jurisdiction. The majority of the land use is urban with some forested areas as well as cultivated crops and livestock pastures.

**Downtown Siler City lies completely within this watershed.**

Cuidadores de la Cuenca de Loves Creek



Loves Creek Watershed Stewards

Trabajamos para restaurar la función ecológica del Arroyo Loves Creek y brindar beneficios económicos y de salud comunitaria a través de la administración de la cuenca

Loves



Working to restore the ecological function of Loves Creek and provide economic and community health benefits through watershed stewardship

## Floodplains are Important

They provide space for creeks to flood and create a rich ecosystem

Low-lying land on either side of a stream creates a floodplain for that stream. Healthy floodplains give streams space to spread out and slow down. Floodplains provide essential habitat for wildlife, improve water quality, and protect human communities.

The floodplain restoration project included the purchase of 6.2 acres between South Chatham Avenue and South Cedar Avenue, removal of a condemned house, extensive invasive plant and trash removal, and stream and floodplain restoration. At project completion, the land was gifted to the Town of Siler City for use as a downtown open green space in 2021.

**Healthy Floodplain Benefits:**

- ✓ Store and slow floodwaters
- ✓ Improve water quality
- ✓ Safeguard people and property
- ✓ Recharge groundwater
- ✓ Create fertile soil for crops
- ✓ Support diverse wildlife
- ✓ Provide recreational open space








Grading of streambanks reconnected this tributary of Loves Creek with its floodplain

Trash in floodplain prior to restoration

Kudzu prior to floodplain restoration

Volunteers planting the floodplain

- ◆ Negotiated with 24 owners for land purchase
- ◆ Treated 5.3 acres of exotic invasive plants
- ◆ Removed 544 tons (34 dump truck loads) of trash
- ◆ Restored 400 linear feet of stream channel
- ◆ Installed over 1000 native plants
- ◆ Obtained \$369,148 in grants and matching funds

Funded by Environmental Enhancement grant administered by NC Department of Justice






Visit project website



## Los planicies inundables son importantes

Estos brindan espacio para que los arroyos se inunden y formen un ecosistema vibrante

La tierra baja a cada lado de un arroyo crea un planicie inundable para ese arroyo. Los planicies inundables saludables les dan a los arroyos espacio para que se estiren y bajen la velocidad. Los planicies inundables le brindan un hábitat esencial a la vida silvestre, mejoran la calidad del agua y protegen a las comunidades humanas.

El proyecto de restauración del planicie inundable incluyó la compra de 6.2 acres entre South Chatham Avenue y South Cedar Avenue, la extracción de una casa no habitable, la eliminación extensa de plantas invasoras y basura, y la restauración del arroyo y el planicie inundable. Al finalizar el proyecto, la tierra fue obsequiada al Municipio de Siler City para su uso como un espacio verde abierto y urbano en el 2021.

**Beneficios de los planicies inundables saludables:**

- ✓ Guardan y frenan las aguas de inundación
- ✓ Mejoran la calidad del agua
- ✓ Protegen a la gente y a la propiedad
- ✓ Recargan los acuíferos
- ✓ Crean tierra fértil para los cultivos
- ✓ Apoyan la vida silvestre diversa
- ✓ Brindan espacio abierto recreacional








La gradación de los riberas volvió a conectar este afluente de Loves Creek con su planicie de inundación

Basura en el planicie inundable antes de la restauración

Kudzu antes de la restauración del planicie inundable

Voluntarios siembran en el planicie inundable

- ◆ Se negoció con 24 propietarios para la compra del terreno
- ◆ Se trataron 5.3 acres de plantas invasoras exóticas
- ◆ Se removieron 544 toneladas de basura
- ◆ Se restauraron 400 pies lineales del canal del arroyo
- ◆ Se instalaron más de 1,000 plantas nativas
- ◆ Se obtuvieron \$369,148 en subvenciones y fondos paralelos

Fundado por la subvención de Mejoras Ambientales administrado por el Departamento de Justicia de Carolina del Norte






Visite el sitio web del proyecto



# Loves Creek Watershed Stewards Projects

| Years        | Project  | Funds     | Grant |
|--------------|--|-----------|-------|
| 2015 to 2018 | Boling Lane Park Stormwater BMP                                      | \$150,000 | 319   |
| 2015 to 2016 | Water Resources Planning project                                     | \$18,000  | 205J  |
| 2016         | Boling Lane Creek Buffer   | \$3,618   | CCAP  |
| 2016 to 2020 | 2016 Stream and Floodplain Rehabilitation Project                    | \$270,000 | EEG   |
| 2017 to 2019 | Park Shopping Center Stream Restoration Study                        | \$101,219 | CWMTF |
| 2018 to 2020 | Siler City Stormwater Infrastructure Mapping and Assessment          | \$20,962  | 205J  |
| 2020 to 2023 | Stormwater Controls in the Piggly Wiggly subwatershed of Loves Creek | \$221,012 | 319   |
| 2021 to 2022 | Loves Creek Watershed 9-Element Plan                                 | \$75,000  | NCLWF |



# Questions?



watercolor by Travis Cohn