



## GREEN RIVER BASIN COORDINATOR



**Colin Duncan**

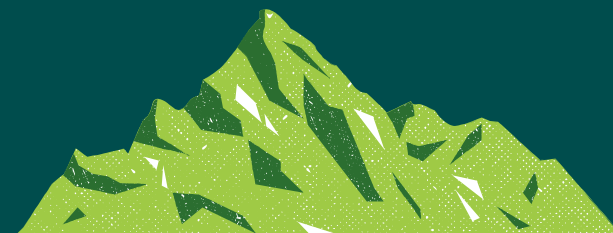
### What I Do:

Work with local groups and governments to develop and secure funding for watershed plans and nonpoint source pollution projects.

### Contact Information:

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# THE GREEN & TRADEWATER RIVERS BASIN

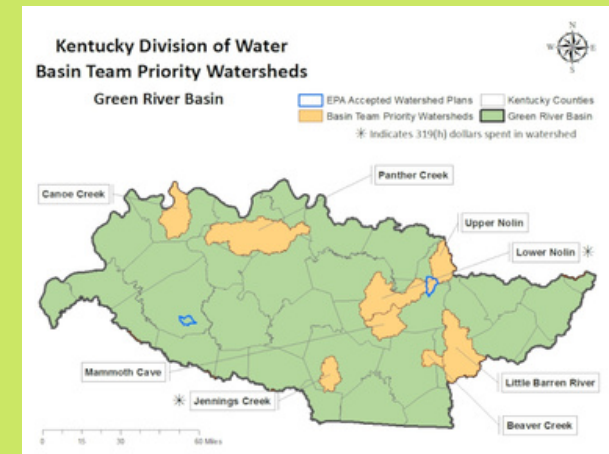
**TEAM  
KENTUCKY**

ENERGY AND  
ENVIRONMENT CABINET

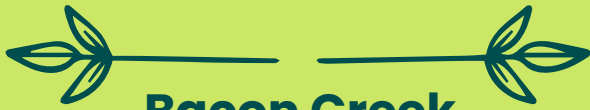
# WATERSHED PLANNING

Plans which help achieve water resource goals by reducing nonpoint source pollution in a geographically defined area, and improving ecological, community, and economic health.

## Priority Watershed Planning Areas:



# GREEN RIVER WATERSHED PROJECTS



## Bacon Creek

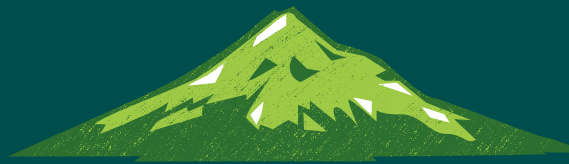
- Aimed at reducing fecal coliform (*E. coli*) concentrations.
- BMPs Include:
  - Native species plantings.
  - Improved riparian buffer.
  - Livestock exclusion fencing.
  - Septic system repair and replacement.

## Pleasant Run

- Collaborative effort with the Division of Abandoned Mine Lands.
- Aimed at reducing acid mine drainage.
- BMPs Include:
  - Constructed wetlands.
  - Vertical flow systems.
  - Alkaline recharge basins.
  - Limestone sand treatment.

## McDougal & Castleman Creek

- Aimed at reducing *E. coli*, nitrogen, and phosphorus.
- BMPs Include:
  - Septic system repair.
  - Cattle stream access control.
  - Rotational grazing.
  - Streambank stabilization.



# GREEN RIVER BASIN FACTS

- The Green River is rich in biodiversity, including over 150 fish species, 70 mussel species, and 42 endemic species.
  - 16 of the 70 mussel species are endangered.
- The karst topography of Kentucky leads to intricate groundwater and cave systems.
  - Acidic water reacts with the alkaline limestone bedrock to quickly erode it away.
- Forest and agriculture each make up 46% of the total land use in the Green River basin, with the remaining 8% consisting of urban land use (6%) and water bodies (2%).



# 319(H) PROGRAM AND NONPOINT SOURCE POLLUTION

Applicants interested in watershed planning can write a letter of intent and apply for 319(h) Grant Program funding to help create a watershed management plan. Letters of intent are due in November, with final applications due in February. If accepted, projects start in October.

Watershed plans must be aimed at reducing nonpoint source pollution.



Have questions about the 319(h) program? Scan the QR Code to learn more!

