



# Licking River Basin Team





## **Purpose**

Encourage equitable and meaningful collaboration among diverse programs, organizations, and communities to restore, maintain, and protect the watersheds in Kentucky's Licking River Basin.

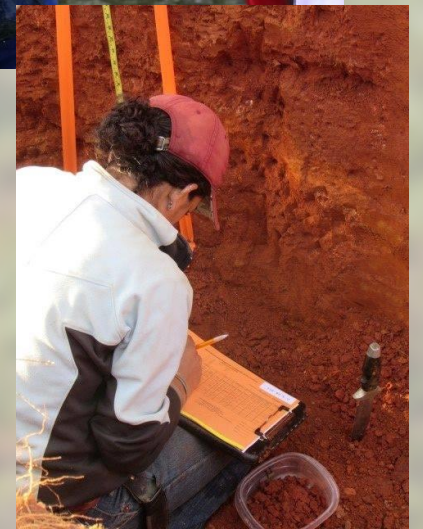
## **Vision**

Provide technical assistance, partnerships, and resources for communities of the Licking River Basin through collective action, open communication, and coordinated education and outreach strategies.



## Meet your Basin Coordinator:

- Name: Mahtaab Bagherzadeh
- From: (Northern) Virginia
- Background: B.S. (Biology, 2015) from Virginia Tech; M.S. (Soil Science, 2018) from University of Kentucky
- Fun fact: my days off (and select PTO) are spent climbing in the Red River Gorge





## **What do Basin Coordinators do??**

- **Bridge between communities and Division of Water**
- **Build partnerships**
- **Provide technical advising**
- **Coordinate outreach & engagement**
- **Catalyze collective action**



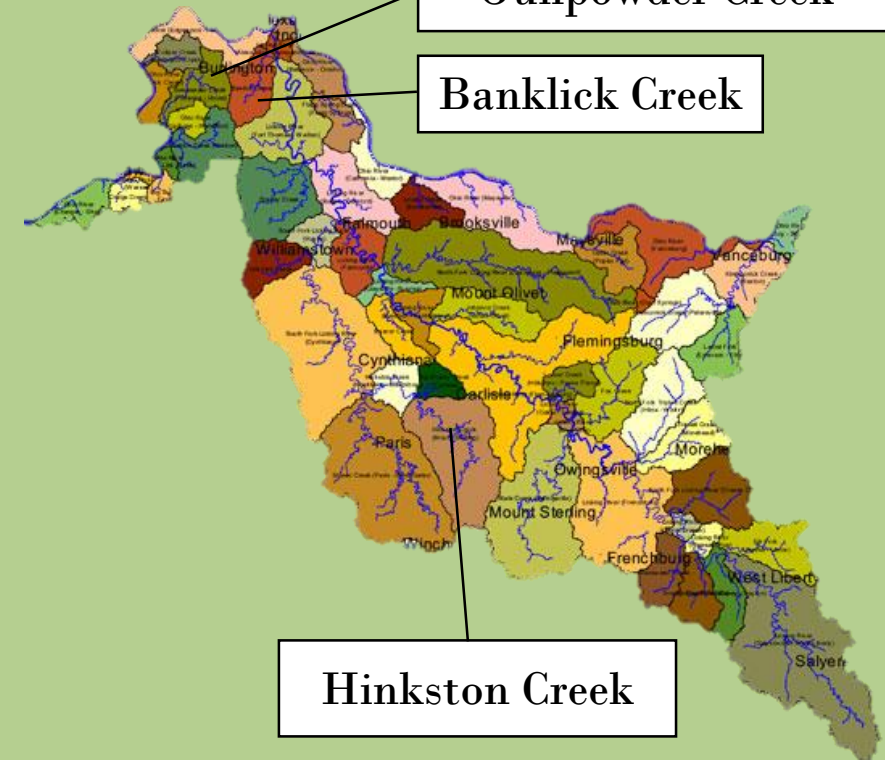
# Licking River Basin Overview: We Are Unique!

- River flows from SE Magoffin County → Covington, KY
- Land use/cover
  - Predominately: forested
  - Secondary: farmland (pasture)
  - Headwaters: old coal mines; logging
- Biologically diverse flora and fauna
  - As of September 2019, 98% historic mussel fauna has been restored
- Part of Kentucky Underground Railroad

Active Watershed Planning Areas:

Gunpowder Creek

Banklick Creek



Hinkston Creek

# What major pollutants need to be addressed?

## Major issues:

1. Sediment and Flooding
2. Nutrients (Nitrogen & Phosphorus)
  - Fertilizer, manure, septic sources
  - Harmful algal blooms (HABs)
3. Bacteria
  - Livestock in waterways
  - Failing Septic Systems





- Citizen-driven water quality monitoring program
- LRWW Chair: Marie Halpin  
(mariehalpin47@gmail.com)
- Programs under Watershed Watch:
  - Core Stream Monitoring Program
  - Volunteer Lakes Monitoring Program
  - 4H Stream Team
  - Science Advisory Council





# Want to join our network?

**Let's connect:**

Mahtaab Bagherzadeh

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Facebook: @ILoveKYWater

Monthly Newsletter:

[https://mailchi.mp/242ea0c563f5/  
licking-river-basin](https://mailchi.mp/242ea0c563f5/licking-river-basin)

