



# Chartiers Creek Streambank Restoration Project at Houston Borough, PA



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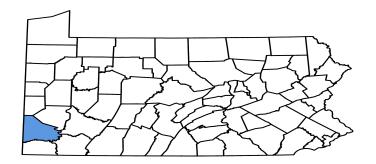
#### Upper Chartiers Creek Watershed Association

- Established 1999
- All Volunteer Organization
- Monitors Streams
- Promote Good Water Conservation Practices
- Conduct Educational and Recreational Events
- Under umbrella of Washington
  County Watershed Alliance 501 C(3)
  - ➢ Our Fiscal agent
  - Helps Coordinate Our Conservation e
  - > Efforts



# **Houston Borough**

- Southwest Region of PA
- Washington County
- One of 37 municipalities that fall within the Chartiers Creek Watershed
- Population: approx. 1200
- Total area: 0.4 square miles





# **Chartiers Creek**

- Headwaters near Washington, PA
- Approx. 48 miles total length
- Meets the Ohio River 3 miles west of the Point at Pittsburgh
- Watershed: Drains approximately 277 square miles southwest of Pittsburgh, PA



# Why this Location?

- Erosion Control is a component of the UCCWA's
  - Water Management Plan
  - River's Conservation Plan
- Existing Water Monitoring site of the Upper Chartiers Creek Watershed Association
- Houston Borough Council: Enthusiastic about improving creek access for recreational use by their community members.





Approximately 1,035 feet of the left bank owned by Houston Borough

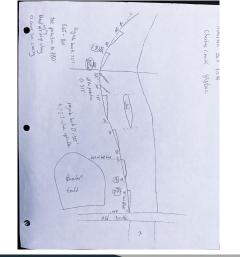
## **Getting Started**

UCCWA water monitoring volunteers noticed the erosion over a period of years

- Volunteers Contacted Houston Borough Mayor and Council Members
- Contacted WCCD and WCWA for advice
- WCCD watershed staff reached out to an engineer who created a (very) preliminary plan and sample budget.

WCCD staff Informally contacted CNX to request a meeting regarding the project but interest was not returned at that time.





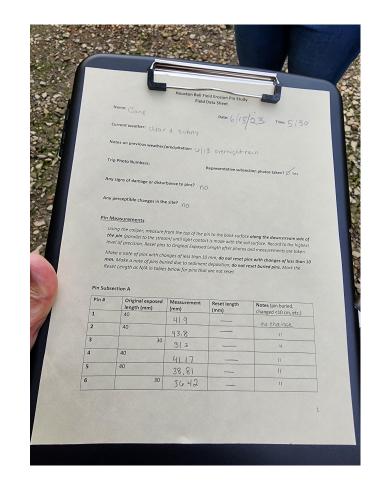
# **3RQ/GAPS**

The 3RQ GAPS program came to the attention of the WCWA/ UCCWA volunteers

- data collection
- professional analysis and report
- bolster future funding applications

Rachel Spirnak from the West Virginia Water Institute

- Created erosion data collection plan
- met and trained volunteers at the project site
- Monthly data collection is ongoing up to one year (April 2024)



### **Thank you to our Project Partners**



Washington County Watershed Alliance

Upper Chartiers Creek Watershed Association



Houston Borough Council

Washington County Conservation District

West Virginia Water Research Institute/3RQ /GAPS support





Questions, thoughts or ideas? Please contact us through social media or email.









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