



# QUARTERLY NEWSLETTER



## HAMILTON COUNTY *Water Quality Program*

### Staff Spotlight

*Kelly Stephens*

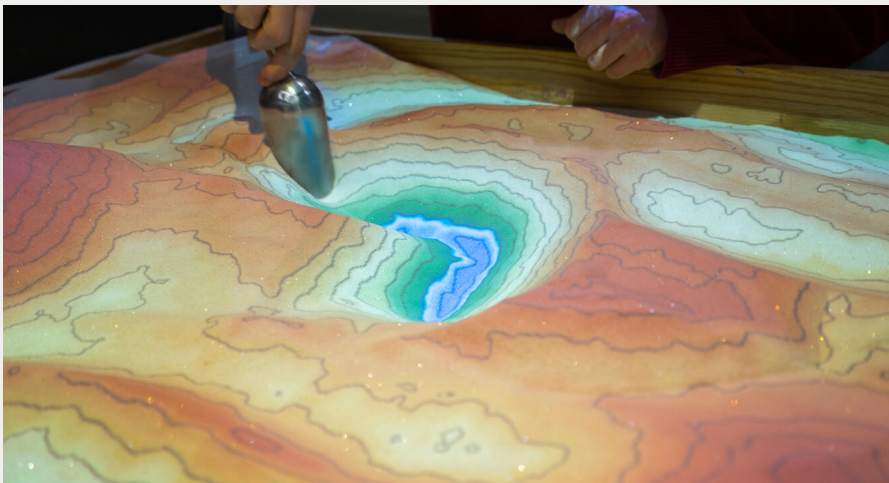


#### **Introducing Kelly Stephens, Water Quality Senior Account Clerk.**

Though originally from Northern California, Kelly has been a resident and active member of the Chattanooga community for over 20 years. Her background in customer service and experience as the proprietor of three restaurants make her a valuable addition to the team. Additionally, her familial ties to the construction industry have contributed to her extensive knowledge of the field.

Over her nine years of employment with Hamilton County Government, Kelly has worked with 911, Water and Wastewater Treatment Authority (WWTA), and Building Inspections. Her expertise in customer service coupled with her knowledge of development make her a valuable asset to the program.

### Augmented Reality Sandbox



Topobox, the AR Sandbox, is an implementation of an open source project at U.C. Davis supported by the National Science Foundation. Topobox consists of an interactive sand table, a scanner, and a projector. The scanner (a Kinect 3D Scanner) detects the height and placement of the sand in the basin, calculates the appropriate projection, and transmits the information to the projector, which then projects topographic lines and colors onto the corresponding sand below.



19

**Illicit Discharge Investigations**

27

**Land Disturbing Permits Issued**



50+

**Lot Stabilization Inspections**





# The Annual Report Was Submitted and Accepted by TDEC

## Education and Outreach Updates

**WaterWays Kids 4 Clean Water Camp, McCoy farm and Greenway Farm** - 2 weeks approximately 20 children.

**CSTHEA Homeschool Expo at Camp Jordan** - tabling event with approximately 1,000 homeschool families in attendance.

**Tennessee River Rescue** - 7,000 pounds of litter collected at the Mountain Creek Site alone!

**Keep Cleveland and Bradley County Beautiful, Conservation Camp** - 454 students, chaperones, and partners over three days.

**Haunted Trail at Enterprise South Nature Park** - record breaking attendance!

Please email [bonniec@hamiltontn.gov](mailto:bonniec@hamiltontn.gov) to schedule an Enviroscape or Topobox demonstration!



## Joint Watershed Monitoring Network

**Exciting News:** Joint Watershed Monitoring Network Approved Four New Continuous Monitoring Stations

We are proud to announce that our partnership with the City of Chattanooga has resulted in the approval of four new continuous monitoring stations. In the next few months, we will be launching these stations at the following locations:

- North Chickamauga Creek, upstream at Ivy Academy
- South Chickamauga Creek, near US 24
- Mountain Creek, at Red Bank Elementary
- Citico Creek, near Amnicola Highway

Stay tuned for more updates as we move closer to the launch date!

## Message from Management

Autumn Friday, P.E.

Cheers to our fourth newsletter!!!!

Going into the winter months I wanted to give a few tips for pond maintenance during the fall/winter. Poor water quality and algae blooms are often the result of excess nutrients like phosphorus and nitrogen. If your pond suffers from problematic algae take the winter months to remove leaves, trash, and trees. If the pond has excess sediment remove properly to increase the oxygen in the pond.

Buffers are beneficial to ponds; however, in the winter months take the time to trim buffer plants and remove any non-native species. Continue to aerate the pond this is critical to increase oxygen for the survival of fish. Look at all outfall pipes and structures to verify they are in working order.

As part of our Hamilton County Water Quality program ponds are expected to be inspected and maintained. Please reach out with any further question.

