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Top: Auger Drilling collects undisturbed soil samples. Bottom: Engineer Veronica Barredo points to the Shelby Tube Bill Butler is holding. Lenny Peterson, at left, checks for quality.

Progress Update: Auger Drills, Sampling, Testing, Sensors, Evaluate Effectiveness of Boone Dam Construction Project

Additional sensors are currently being installed and exploratory drilling conducted to provide more detailed data on the progress of the underground repair work at Boone Dam. Auger drills and test rigs are working all around Boone’s earthen embankment to perform in-situ tests and recover soil samples for subsequent laboratory testing. “This work provides us with more detailed data on the progress and impacts of the underground repair work completed to date,” says Civil Engineering Manager Patrick Kiser. “We are optimizing the project in order to move as safely, effectively and quickly as possible.”

Additional changes at Boone Dam include the removal of the white dome over the former grout plant. Also, fewer workers are onsite due to the drilling and grouting contractor demobilizing during the testing and evaluation work. We are also considering moving ahead with construction of a downstream rock and sand berm that will provide additional support to the embankment as we proceed with construction. An upstream berm was already planned for installation later this year.

Changing the order of planned activities is a normal and expected part of major construction projects, and such changes were anticipated in the expected five-to-seven year timing of the Boone Project plan. We will continue to monitor data and make adjustments as necessary.

Community News: TVA Sponsors First-Ever “Career Quest” Event

Nearly 5,000 students from Morristown to Johnson County took part in a two-day Career Quest event at the ETSU Mini Dome March 21-22. TVA and Johnson City Power Board representatives worked side-by-side teaching students about weather stripping, caulking and electric circuitry as well as future STEM related careers. First Tennessee Development District sponsored the event which was the first of its kind in Tennessee.



Liberty Bell Middle School 8th graders learn about weather stripping to make their homes more energy efficient.

Kiser Addresses State Conference

Boone Dam Civil Engineering Manager Patrick Kiser addressed the Tennessee State Environmental Conference at the MeadowView Conference Center in Kingsport March 15th. Patrick's presentation, *Boone Dam Hydrogeologic Model and Project Update*, discussed the project's history, geology and work to date, including the continuous surveillance and monitoring methods used in the dam's comprehensive remedial program.



Civil Engineering Manager Patrick Kiser discussed Boone Dam's Hydrogeologic Model at the state conference.

Boone Lake Annual Clean Up Set for April 29; Successful River Cleanup Complete

The 18th consecutive Boone Lake Annual Clean Up Day is just a few weeks away. Boone Lake Association organizers say the event will kick off at 9 a.m. on Sat., April 29 and end at 3 p.m. According to the BLA, trash will be collected at Boone Lake Marina, Davis Marina, Lakeview Marina, Rockingham Marina and Jay's Dock (at Pickens Bridge Ramp). Additionally, the Bluff City and TWRA/11E ramps will be used. The event will conclude with a picnic for volunteers at the Winged Deer Park Pavilion at 4 p.m. with prize drawings at 5 p.m. For more information visit the BLA website

<http://www.boonelakeassociation.org/>.

Also, thanks to the over 100 people who participated in the First Annual Tailwater Clean Up *and* the Third Annual Bill Beazell Memorial Clean Up. Both clean up events were held on the Watauga River March 25th. TVA was pleased to supply volunteers, trash bags and gloves.



Top: Boone Lake Clean Up '16 was all in the family at Rockingham Marina. Bottom: Some of trash hauled from Watauga River.

Vegetation Management Questions? Be sure to download: <https://www.tva.com/Newsroom/Boone-Dam-Project/Boone-Exposed-Lakebed-An-Owners-Guide> for tips on maintaining lakebed property.

New Community News Updates: Remember, we'll keep you informed in between monthly editions of this newsletter through the new "Community News" section of the [Boone website](#). We'll also update the @BooneRepair Twitter feed and, if needed, provide special newsletter editions. You can always e-mail us questions at boonelake@tva.gov, or stop by the TVA Community Relations trailer at the intersection of Boone Dam and Minga Roads.

How to Receive Regular Updates "The Boone Dam Update" is published monthly to help keep TVA's stakeholders informed on the activities associated with repairing the earthen embankment at Boone Dam. These updates and other information are available at TVA's website: [Boone Repair](#) and via email distribution.

If you'd like to be included on the Boone Update email distribution list, please visit [Boone Repair](#) and submit your email address where you see "Sign up below to get weekly updates via email."

Learn more the Boone Project and other TVA activities on Facebook at <http://www.Facebook.com/TVA> and on twitter @BooneRepair.

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