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Above: Heavy equipment is visible to neighbors and boaters near Boone Dam.

Below: An up-close look at the slurry mixture used in testing rows of grout. Sonic drill rigs inject the grout.



Progress Update: Upstream/Downstream Berm Construction Underway

Construction activities remain highly visible at Boone Dam as trucks roll onto the site hauling loads of stone from local quarries for the upstream berm construction. Already nearly 4,000 tons of stone has been placed on the upstream berm. The new rock will add stability to the earthen embankment. Work is also underway on the downstream side of the dam where some instruments are being relocated in preparation for the new construction. The fortified berms are the first part of construction plans that call for widening the top of the dam to create an improved working surface for cutoff wall construction.

Slurry Cell Testing, Drilling Continues at Boone Dam

Slurry cell testing on the dam's earthen embankment involves drilling and then injecting a cement, water and bentonite clay slurry mixture into the dam along the previously constructed grout lines, or "grout curtains." Engineers and geologists are evaluating the grout curtain's ability to contain slurry and provide stability during cutoff wall construction.

The slurry is similar to the material used in completing the cutoff wall, a key component in the composite seepage barrier being constructed inside and underneath the embankment, to depths that could approach 300 feet. You can see a basic schematic of the cutoff wall [here](#). Collectively, these improvements will prevent further erosion or seepage under the embankment.

Boone Lake Marina Earns “Tennessee Clean Marina” Certification

Boone Lake Marina is now a two-time recipient of the Tennessee Clean Marina certification. It is the only marina on Boone Lake to complete this rigorous certification process and receive this award. “By flying the clean marina flag, we are making a statement about our commitment to clean water,” said Jerry Frank, Boone Lake Marina owner. “It’s a way to let the public know we are serious about protecting the environment and we want to take care of what we have.” There are seven categories to the Clean Marina certification program. A marina must complete all categories mandated by regulation and choose from the others in order to complete 75% of the actions. For more information visit www.tva.gov/cleanmarinas.



Above: Boone Lake Marina Owner Jerry Frank accepts the Tennessee Clean Marina sign from TVA Watershed Representative Melinda Watson.

TVA Supports Boone Lake Association Tire Cleanup

The Boone Lake Association recently completed the cleanup of 1,200 tires from Boone Lake with the support of TVA, which underwrote the removal costs of the tires that were once used for fish habitats on the lake. After pulling the tires from the lake, the Boone Lake Association crew hauled them to a staging area across from Boone Beach and Boat Ramp where they were transported to the Washington County Tire Recycling Facility in Gray. The project began July 13 and ended August 24. Boone Lake Association’s Ron Siegfried said, “I would like to thank our crew for all their hard work to complete this project in record time.” Siegfried said several board members and volunteers were also instrumental in the tire clean-up. Next up, TVA will work with Tennessee Wildlife Resources Agency to create new fish habitats on Boone Lake.

Below: 750 of the 1200 tires that the Boone Lake Association cleaned up from Boone Lake.



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.

<p><u>How to Receive Regular Updates</u></p>	<p><i>“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.</i></p>
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