

Well Monitoring is Critical Aquifer Management Tool

One of the many ways the Trinity Glen Rose District manages the Trinity Aquifer in its jurisdiction is by monitoring a series of wells within the district boundaries. A monitoring well is used to measure the water level, quality, quantity, or movement of water through an aquifer. Currently, the District utilizes five real-time groundwater level monitoring stations.

“Groundwater is one of Texas’ most important resources. Of the approximate 14 million acre-feet of water used in Texas each year, 8.4 million acre-feet (60.4%) is from groundwater and the remaining 5.5 million acre-feet (39.6%) is from surface water,” said TGR General Manager George Wissmann. “The Trinity Aquifer in Bexar County is a dynamic resource and its levels rise with rainfall and fall with droughts and water well pumping. Groundwater-level monitoring wells are the main tools we use to track trends regarding the overall viability of the aquifer within our district. This data also goes into modeling how much water our region can safely withdraw over many years without irreparably damaging the resource.”



TGR well monitoring of the Trinity Aquifer.

Each month, monitoring well data is reported to the TGR Board of Directors to keep the district’s policy makers well informed on the water quantity health of the Trinity Aquifer. In addition to these monitoring devices, the District regularly receives groundwater data from several public supply purveyors located throughout northern Bexar County.

The State of Texas uses the long-term monitoring data collected over years and decades for groundwater-surface water interaction studies, monitoring groundwater flow directions, determining regional effects of groundwater development, and recording the possible effects of changing weather patterns which can reduce recharge resulting in lower water levels in Texas aquifers.

You can read more about groundwater monitoring at the Texas Water Development Board website link: www.twdb.texas.gov/groundwater/data. If you’re interested in learning about the Trinity Aquifer well system in Bexar County, you can visit the TRG website at: www.trinityglenrose.com/waterwell-maps. 

Save Water this Winter with TGR's Top Two Tips

It is always good to practice sound water conservation measures every day, however, many tend to think about conservation in the heat of summer or in times of drought. So now that cooler weather has returned, the Trinity Glen Rose District urges you to maximize your water savings this winter with these top two water conservation recommendations.

1. Turn off the automatic sprinkler system controller and only use manually if it is needed. Turf grass does not grow with cooler weather and so watering grass this time of year is wasteful.
2. Check your indoor water plumbing for leaks. Simply turn off all of the water devices in your home, then head out to your water meter. There is a small triangle dial on the top of the meter. It should not be spinning around. If it is, that is an indication that water is going through the meter. If it is spinning rapidly, you have a sizable leak and you should turn the water off at the meter, find the leak and have it repaired.



Here is a great link to more indoor water conservation ideas from the Texas Save Water Coalition.

<https://www.savewatertexas.org/2020/09/30/save-water-money-kitchen-laundry/>. 

