



2017 ANNUAL REPORT



Jack Stevens
President



Marty Leonard
Vice President



Leah M. King
Secretary



James Hill
Secretary Pro-Tem



Jim Lane
Director

In May 2017, two new members were elected to TRWD's Board of Directors - Leah M. King and James Hill. Mrs. King and Mr. Hill will both serve four-year terms, and have been named Secretary of the Board and Secretary Pro-Tem, respectively.

You can find more info on these two board members as well as President Jack Stevens, Vice President Marty Leonard and Director Jim Lane at TRWD.com

TRWD lends helping hand in the aftermath of Hurricane Harvey

Hurricane Harvey left a path of destruction along the Texas Coast last September, but it didn't destroy the Texas spirit. People from all walks of life came to help save those trapped by raging flood waters in numerous coastal cities. Among those brave souls was a dedicated group of TRWD employees who spent five long days rescuing more than 350 people who were trapped in homes, apartment complexes, assisted living centers and other flooded structures. Needless to say, we at TRWD are proud to call these people co-workers and thankful for their selfless efforts.



With many people stranded in dangerous flood waters, TRWD sent two teams and a mobile command center to the Houston area to assist with emergency rescue operations.



#TexasStrong #HoustonStrong



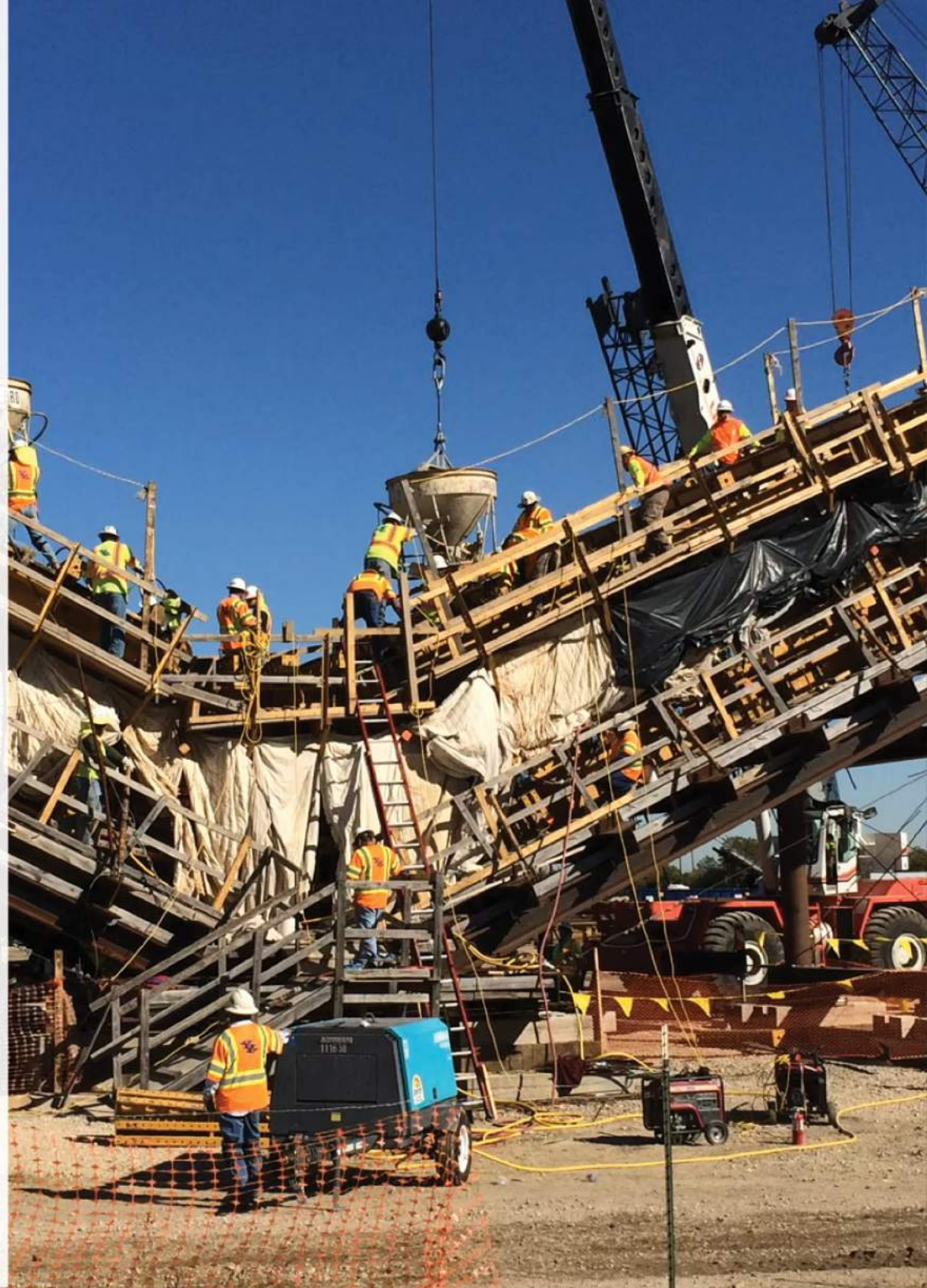
Trinity River Vision Construction Update

If you've driven north out of downtown Fort Worth over the past several months, then you've seen work on the Trinity River Vision's three landmark bridges moving full speed ahead. Located on Main Street, White Settlement Road and Jacksboro Highway, these bridges are being built in advance of a new 1.5 mile bypass channel that will help improve flood protection along Fort Worth's near Northside.

Another element of this important flood control project is the creation of valley storage sites at Riverside and Gateway Parks on the north and east sides, respectively, of Fort Worth. These locations will help store floodwaters when the river flows are high, reducing flood elevations.

Over the last couple of years, 1.5 million cubic feet of dirt was removed from Gateway Park and 225,000 cubic yards of dirt was removed from Riverside Park as part of this massive effort. With work wrapping up soon at these locations, sections of Trinity Trails that have been effected will soon reopen and, once again, provide continuous connections to both of these parks.

For more information on the Trinity River Vision Project, visit trinityrivervision.org



Protecting our water supply into the future

TRWD provides water to more than 70 cities in North Texas. Our commitment to delivering a reliable and sustainable water supply begins with monitoring the health of our reservoirs, tributaries and the Fort Worth Floodway.

Our data serves as a tool for complex questions, planning for the future and preparing for new regulations coming into effect.

Jennifer Owens, assistant environmental manager at TRWD, has been conducting water quality testing with the district for 18 years. Her love of science and the outdoors led to a career protecting and ensuring our most important natural resource is available for future generations. Owens performs these tests on a monthly, quarterly or seasonal basis.

“When it comes to trends in test results, it’s difficult to draw water quality conclusions when just comparing one year of data to another,” said Owens. “We tend to look at long-term trends (10-20 years) so we have a better understanding of all the variables in play.”

Owens and her team members work hard to build a routine, consistent dataset that provides a solid baseline for water quality information. Water Quality reports are delivered to TRWD customers like the cities of Fort Worth, Arlington, Mansfield and the Trinity River Authority.

“Our data serves as a tool for complex questions, planning for the future and preparing for new regulations coming into effect,” said Owens.





IPL Project reaches major milestone

This summer will mark a major milestone in the construction of one of our most important water supply projects - the Integrated Pipeline Project (IPL). After an initial testing phase this spring, the first completed section of the pipeline will bring additional water supply back to our rapidly growing population as soon as this summer. This section of 108-inch diameter steel pipeline will not only increase the amount of water we can pump back from Richland-Chambers Lake in East Texas, but also increase the efficiency with which we move it. Another benefit of the IPL is the redundancy it creates in our water delivery system. This new pipeline gives us the ability to bring water back to Tarrant County if one of our existing pipelines breaks or is disrupted because of a natural disaster.

To give you an idea of how massive this pipeline is and how much water it can move, check out this video from last fall of the last of three gate valves being lowered into the ground. This valve stands 44 feet tall and weighs 110 tons, making it the largest of its kind in the world.

Teaming up on the Trinity Trails

In April 2017, TRWD donated eight 2017 KTM street legal, off-road motorcycles to the City of Fort Worth to assist with patrolling the Trinity Trails. Previously, some areas of the more than 72 miles of Trinity Trails were difficult or impossible to reach with patrol cars. The motorcycles provide enhanced safety and security to the people who enjoy some of Fort Worth's favorite recreational areas.



City of Fort Worth Mayor Betsy Price stood proud with Fort Worth police officers and TRWD Board Members during a presentation of the motorcycles.



"TRWD has allowed us to provide access to places quicker ... to help us patrol the trails in a proactive manner," said City of Fort Worth Police Chief Dr. Joel Fitzgerald during the press conference.



A grand opening for Airfield Falls

TRWD opened its newest park and trailhead in April 2017. Located next to the Naval Air Station JRB Fort Worth, Airfield Falls Trailhead & Conservation Park features an airfield theme and offers visitors access to Tarrant County's only natural waterfall. It's a great place to escape the hustle and bustle of the city. Come out, relax, and enjoy the scenic trail and butterfly walk on your way to the falls. The park is a joint effort between the Tarrant Regional Water District and the City of Westworth Village.



Grand opening attendees celebrated with a ribbon-cutting ceremony and speeches from TRWD Board Member Jack Stevens, Mayor of Fort Worth Betsy Price, Mayor of Westworth Village Mike Coleman, and Commander of the Naval Air Station Fort Worth Joint Reserve Base Captain Michael Steffen.



In October 2017, TRWD's Airfield Falls Trailhead & Conservation Park was honored as the home of two Texas Historic Markers (Fort Worth Army Airfield - marker #18383 and Horace Seaver Carswell, Jr. - marker #18384).

Fort Worth's Fourth

AT PANTHER ISLAND PAVILION



"As a Presenting Sponsor, TRWD is proud to be able to provide a free family festival that is available to our entire city," said TRWD Board President Jack Stevens.



In its 10th year, Fort Worth's Fourth returned to Panther Island Pavilion with a fun-filled afternoon of family activities, tubing and fly board shows.



Fort Worth's Fourth is home to the largest fireworks show in North Texas.



Innovation and excellence honored in 2017



2017 John Ivey Higher Standards Award

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2017 Envision Award

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2017 Outstanding Subscriber Award for Applied Research

3



2017 Achievement of Excellence in Procurement Award

4

(1) 2017 John Ivey Higher Standards Award - The award honored the district's efforts to address flood damage reduction with the Trinity River Common Vision and Corridor Development Certificate program. The program won the award for its successful long-term cooperative efforts to address flood damage reduction by establishing and enforcing higher standards for development along the Trinity River corridor. (2) 2017 Envision Award - TRWD is completing our biggest project, the IPL, which was awarded the highest honor by the Institute for Sustainable Infrastructure (ISI). The IPL is the 14th North American project to win the Envision Award from the ISI and the first pipeline project to ever win platinum. (3) 2017 Outstanding Subscriber Award for Applied Research - The Water Research Foundation's (WRF) Outstanding Subscriber Award honors utilities that have made notable improvements to their treatment, delivery, and/or management processes through the successful application of WRF research, aiming to protect both the environment and public health. (4) 2017 Achievement of Excellence in Procurement Award - The National Procurement Institute established a program to recognize organizations that demonstrate leadership attributes, productivity, innovation, professionalism and e-procurement. TRWD's Purchasing Department was one of four water districts to receive this award nationally.

TRWD's urban fishing program gets students outside

For more than 30 years, the district has teamed up with Texas Parks & Wildlife to create an urban fishing experience for Fort Worth residents. In 2017, dozens of students from M.H. Moore Elementary and J.P. Elder Middle School took a break from the classroom to enjoy the great outdoors.

This year also marked the second annual TRWD Flyfest - a family-friendly event that draws hundreds of anglers to the banks of the Trinity River, spreading awareness about the outstanding fishing opportunities the river provides.



TRWD released 1,200 pounds of Rainbow Trout and nearly 3,000 Texas native fish into the Trinity River at the 2017 TRWD Flyfest.



Boy Scouts listen closely at TRWD Flyfest, during this free class to earn their Fly Fishing Merit Badge.



Partnering with City of Fort Worth at Rockwood Golf Course

TRWD partnered with the City of Fort Worth's Park and Recreation Department in 2017 on an important initiative at the newly redesigned Rockwood Golf Course that helps protect the quality of the water in the Trinity River.

Working together, the organizations created an expanded drainage system that captures rain runoff and naturally filters it through a man-made water hazard on the golf course. This system helps keep fertilizers and chemicals used to maintain the course from reaching the Trinity River, one of Fort Worth's most beloved natural resources.



Help take the guesswork out of watering your lawn



The watering advice service is designed to give you a better idea of how much water your lawn really needs based on season and weather conditions, not whims and rumors.

One of the best ways we can increase our efficient use of water and have a positive, long-term impact on our water supplies is getting a handle on how much water we use on our lawns. On an annual basis, the water we use outdoors can account for up to 40 percent of our overall water bill. But, lowering that amount is within easy reach.

A great way to do that is to sign up to automatically receive weekly watering recommendations in your inbox. The advice is issued on Mondays and is based on recent weather conditions, including rainfall amounts to determine: 1) whether or not your lawn needs to be watered in the upcoming week, and 2) to let you know how much to apply, if it does need water. Another important feature of the watering advice page offers suggestions on how long to run your irrigation system to apply the recommended amount of water. Different types of sprinklers — spray heads, rotors, or multi-stream — apply water at different rates.

TRWD and Dallas Water Utilities created the program, available on WaterIsAwesome.com, to take the guesswork out of watering your lawn. The program uses weather variables, such as temperature, wind speed, relative humidity, and solar radiation, to determine soil moisture losses from the previous week and provide an estimate on how much water is needed to replace those losses. Any rainfall in the previous week is used to offset the recommended amount. So, by following the advice you're only replenishing the moisture your lawn needs - and not turning on your sprinklers when you don't have to.

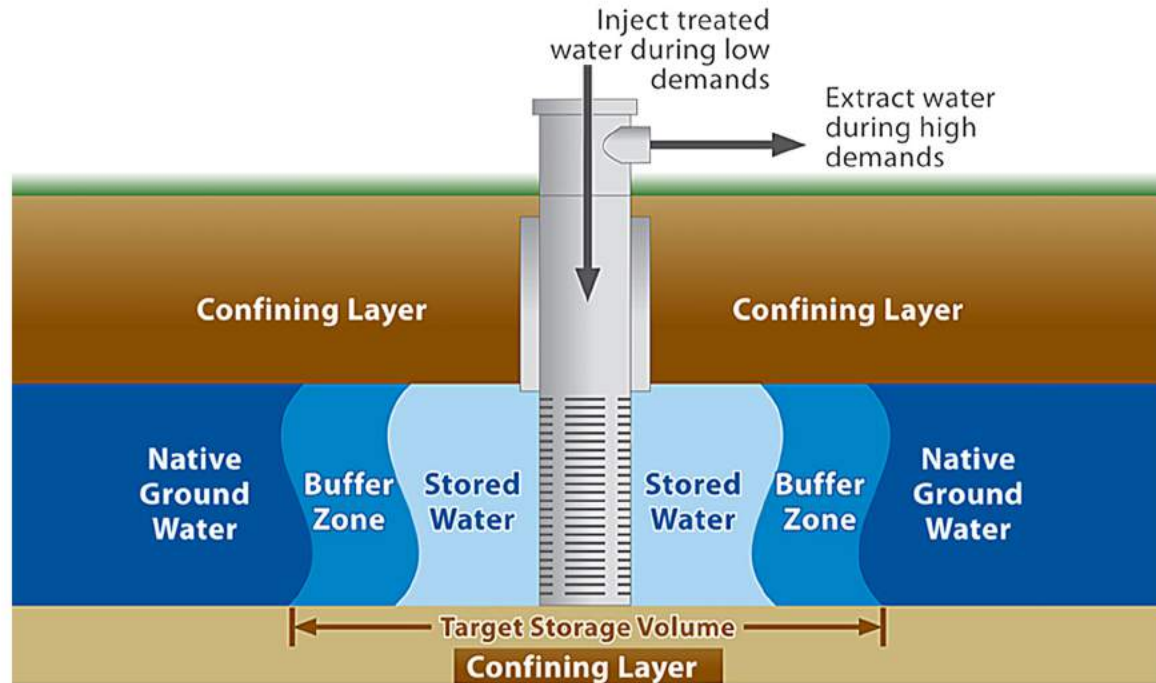
Give it a try. And see if you can decrease your water use and save a few bucks on your water bill. Water is awesome. Use it. Enjoy it. Just don't waste it.



A vibrant sunset over a body of water. The sun is low on the horizon, creating a bright orange and yellow glow that reflects on the water's surface. The water transitions from a deep blue in the foreground to a lighter, turquoise color near the horizon. The overall mood is serene and hopeful.

**FORWARD
THINKING**

Innovative Water Supply Strategies



Because the population in our service area is expected to double by 2060, TRWD is constantly looking for ways to meet the future water supply needs of the more than four million residents who will call this area home.

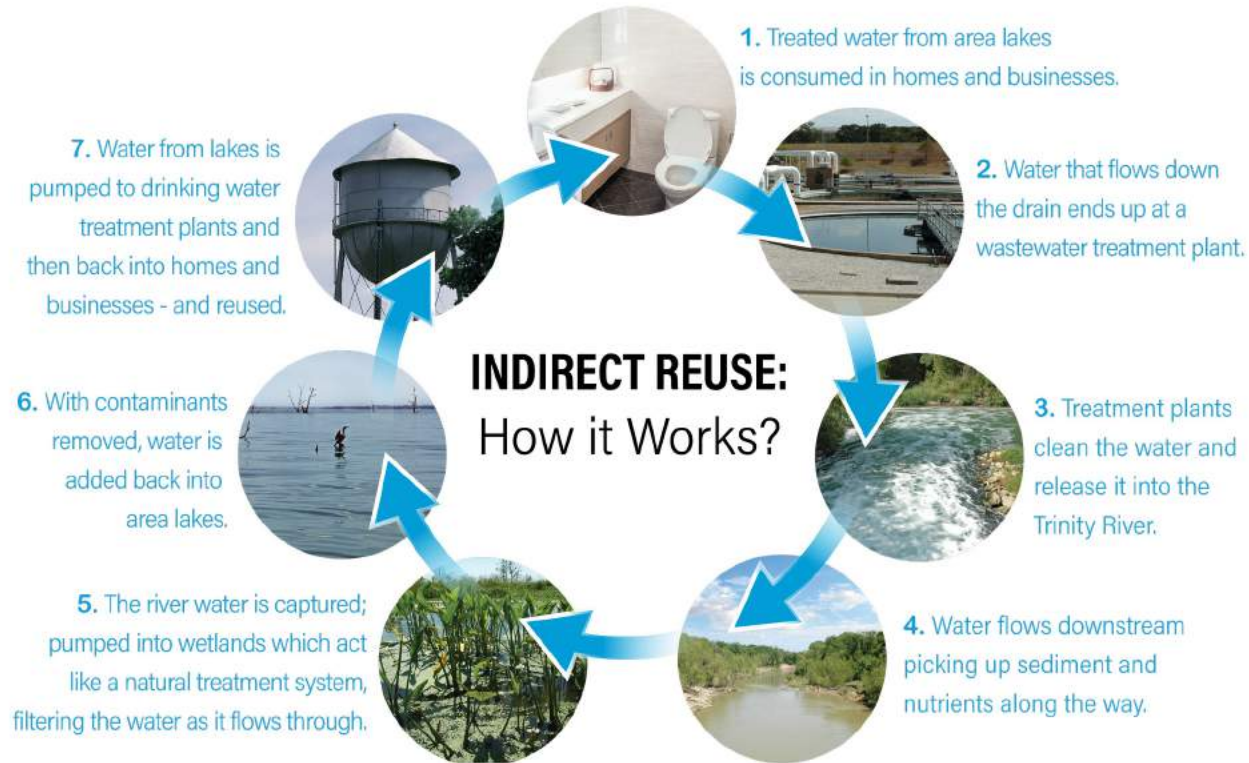
Through proactive water conservation efforts, we have seen a 30 percent reduction in demands throughout our service area. That is the same amount of water Fort Worth is permitted to use from Eagle Mountain Lake in one year. That is a huge savings and one that wouldn't be possible without the support of our customer cities and their citizens.

We are also exploring an innovative water supply strategy called Aquifer Storage and Recovery (ASR). This means pumping water into the ground to store (where it won't evaporate) until needed, such as during droughts, emergencies or times of high water

use. This method has been very successful in other parts of the country. We will break ground on our first ASR pilot well later in 2018, and hope to learn more about how this water storage alternative can work here.

One of our other upcoming water supply projects is the construction of another wetlands facility near Cedar Creek Lake, one of the district's East Texas water supply sources. TRWD has built a similar wetlands facility at nearby Richland-Chambers Lake, which was the first of its kind in the United States. These innovative wetland facilities naturally filter water released into the Trinity River from North Texas wastewater treatment plants and then pump it back into the district lakes for future use. This project was originally expected to help meet demands by 2020, but has been pushed back at least 10 years because of the savings created from water conservation efforts.

How the TRWD wetlands recycle water naturally



TRWD's George W. Shannon Wetlands are a 2,000-acre water reuse project that sits right next to the Richland-Chambers Reservoir. It's called a reuse project because it naturally filters water from the Trinity River and drops it back into the lake. Although the majority of the wetlands system was down for flood repairs and research this year, more than three trillion gallons of water was delivered to Richland-Chambers in November and December.

TRASH BASH 2017

Smashing success for the 26th annual Trinity River Trash Bash. More than 7,000 volunteers took to the Trinity Trails in Fort Worth to clean up trash that lined the banks of the river after heavy downpours. Together they collected more than 30,000 pounds of trash and left a cleaner river in their wake. Thank you 2017 Trash Bash Volunteers!



Trail maintenance is just part of it

For Angel Portales, TRWD floodway manager, every day is something new.

"I love my job. I wake up and know there is going to be something different that needs to get done that day, and that is exciting for me," he said.

Portales and his team maintain 27 miles of floodway in Fort Worth and more than 70 miles of Trinity Trails. They also execute the logistics of community events, such as Mayfest, TRWD Trash Bash and lake area cleanups. The district hosts three annual cleanups - Eagle Mountain Lake Cleanup, Lake Bridgeport Community Cleanup and the Cedar Creek Lake Cleanup.

"If a trail isn't properly maintained, then a user could get injured; we work hard to make sure that doesn't happen," said Portales, adding that maintenance includes mowing, painting and mending fences, concrete upkeep and soft trail maintenance.

"Social media is a big part of how we communicate today, and we know about a problem fairly quickly," he said. "And we appreciate that. We want to know if something is not right out there so we can fix it. We want people to have a good experience on the trails.

"Fort Worth has a lot to offer. There is so much to do when it comes to recreation and just getting outside. TRWD also manages Eagle Mountain Park, Twin Points Park and Marine Creek Lake."

To help manage the workload, Portales said his group is always trying to improve processes and streamline jobs as much as possible.

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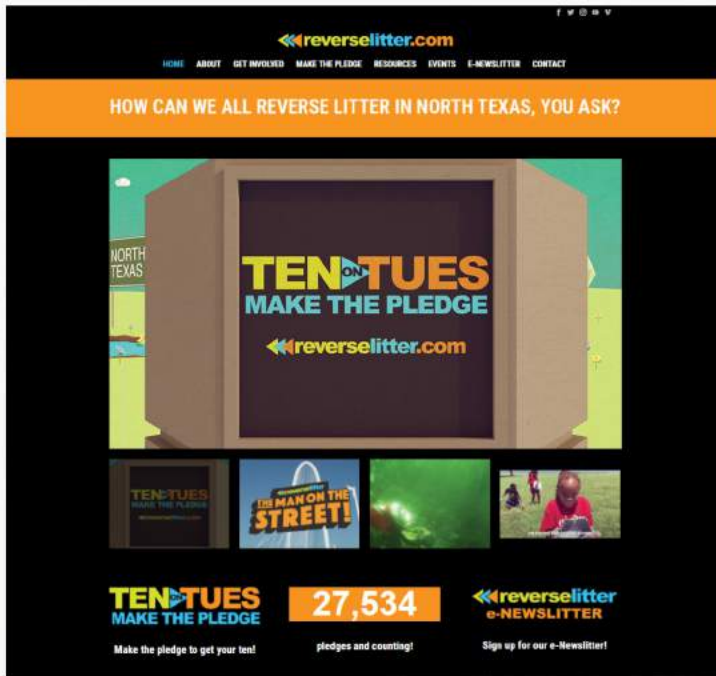
"We are a small group but we are diverse and efficient," he said. "We only like to do a job once. So we try to get it right the first time."

But Portales said the public's involvement can be the biggest help to his sometimes over-sized workload.

"Litter," he said. "We cleanup up a lot of trash. We are picking up the piece of trash that flies out of someone's car. It goes into a storm drain and ends up in the river. If everyone did their part to help pick up a piece or two, the trash in the river could be cut in half easily."



Reverse Litter launches new website



The redesigned ReverseLitter.com gives visitors a more interactive experience and provides additional resources to the community.

ReverseLitter.com, the anti-litter awareness campaign produced by TRWD and the partner cities of Dallas, Denton and Fort Worth, received a new digital look in 2017. The website, which hosts social feeds, videos, interactive downloads and the Ten on Tuesday Pledge, has a new streamlined style making it easier to connect with citizens who strive for a cleaner North Texas region.

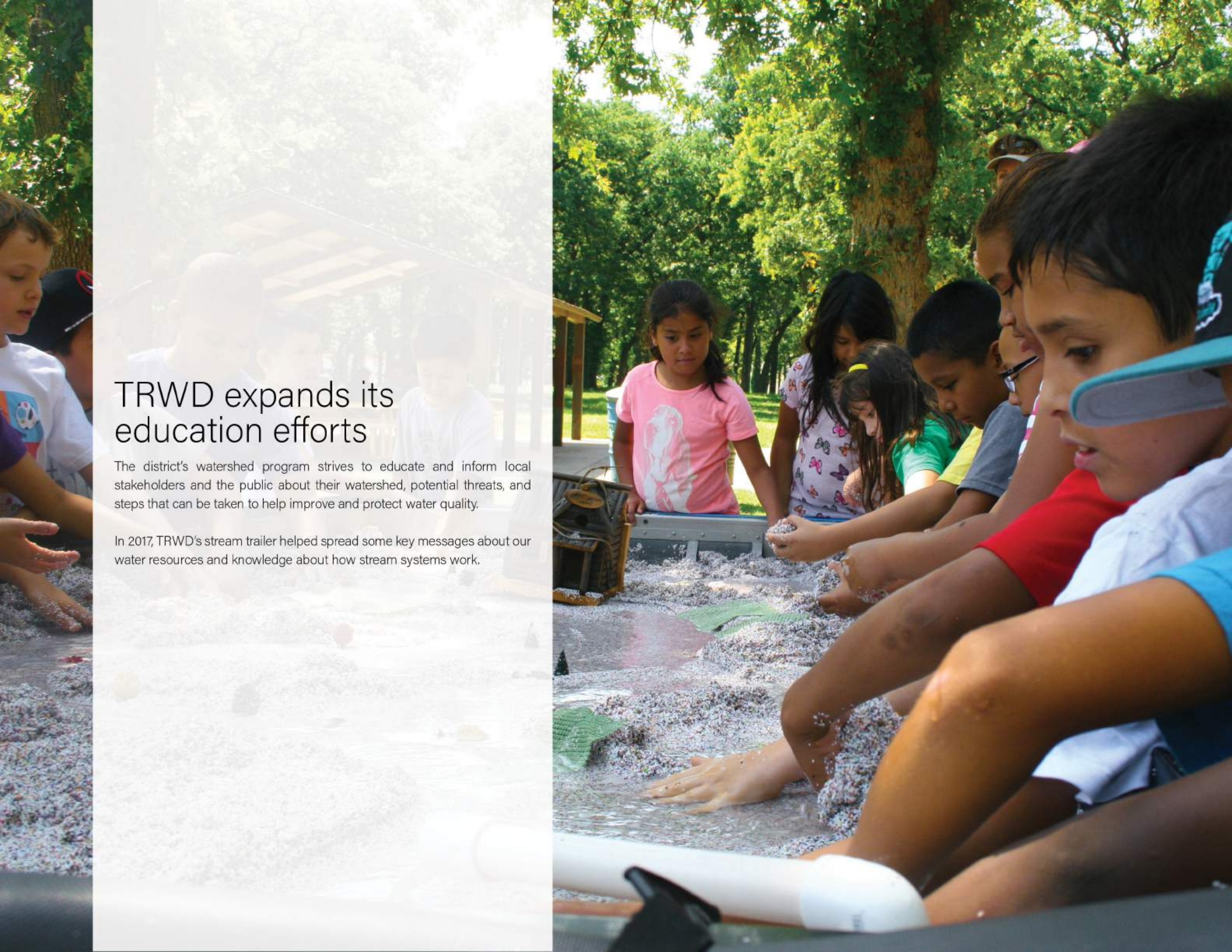
"Content is king and this new site allows us to engage better with our mobile users, promote our e-newsletter and be a thought leader for the litter-free movement in our communities," said Kari Littrell, TRWD community relations manager.



One source for Trinity Trail events

Do you want to know what is happening on the Trinity Trails? TRWD offers a recreational calendar that lets you search for upcoming trail events in one location..



A group of diverse children are gathered around a stream trailer exhibit. They are looking at and touching a model of a stream bed made of gravel and sand. The children are wearing colorful t-shirts. The background shows a lush green park with trees and a wooden structure. The scene is bright and sunny.

TRWD expands its education efforts

The district's watershed program strives to educate and inform local stakeholders and the public about their watershed, potential threats, and steps that can be taken to help improve and protect water quality.

In 2017, TRWD's stream trailer helped spread some key messages about our water resources and knowledge about how stream systems work.

When potential flooding threatens TRWD lakes, our team jumps into action

When rapidly rising flood waters threaten district lakes, TRWD has a designated flood monitoring team that jumps into action. Using an intricate modeling software and real-time information, these dedicated employees work around the clock to make decisions about how much water to release or hold at each lake. Conditions can change quickly in these situations so the team shares up-to-date information with the public and emergency services personnel throughout the region.

One of those dedicated team members is TRWD's Manager of Energy and Water Management Laura Blaylock, who has worked flood events on the West Fork lakes since 2003.

"When you live right next to the water, it can be a frightening experience to look out your window and see the water inching closer and closer to your home. We make it our priority to provide citizens with the most useful and timely information we can through our website, social media and phone bank. We know they are depending on us during these stressful situations, and it is a responsibility we all take very seriously."

While the flood team members work long hours and miss time with their own families, Blaylock says it is all worth it knowing shoreline residents are resting easy because TRWD is monitoring conditions 24-hours a day.

We make it our priority to provide citizens with the most useful and timely information.

"For years we had an elderly gentleman who would call us for lake level projections right before he went to bed and first thing the next morning. He was always so thankful for the information we were providing and the fact we were trying to keep everyone around the lake safe. Having that kind of impact on the people we serve makes it all worth it."



TWIN POINTS PARK:

A premier staycation destination

2017 was the second year for the newly opened Twin Points Park. The season brought many families together and hosted events like the Kite Festival, Super Soaker Saturday and Sand Sculptors Extravaganza.

Park goers also enjoyed activities all summer long like sand volleyball, backyard style barbecues, cool sandy beaches and plenty of water to splash around.



Visitors paused to take pictures of the impressive work done by professional sand sculptor Joaquin Cortez, who transformed several tons of sand into a Tarrant County-themed castle at Twin Points Park for the Sand Sculptors Extravaganza.



The park hosted a mega kid-friendly scavenger hunt with super soakers and buried treasures.



In the Community Gallery



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(1) The district's annual Cedar Creek Cleanup educates residents about the impact litter has on local waterways and helps cleanup the surrounding community. (2) TRWD employees participate in Adopt-A-River and Adopt-A-Highway programs across North Texas. (3) TRWD's Panther Island Pavilion hosted the Fort Worth Fire 440 Auxiliary Family Picnic. (4) In 2017, AgriLife Water University was recognized as Texas Nursery & Landscape Association Award Winner for their design on TRWD's Demonstration Landscaping. We are proud to offer this asset to our communities. (5) TRWD Law Enforcement celebrated its 15th year participating in Career Day at Eagle Heights Elementary in 2017. (6) Celebrating its 9th year in 2017, the Annual Marine Creek Health & Safety Fair promotes bike safety education, health and wellness. (7) The district's Hydration Station can be seen throughout the year around Fort Worth at events like the Cowtown Marathon. (8) TRWD is a founding organization of Mayfest and been involved with the event since 1987.



Water is
awesome.

Enjoy it. Don't waste it.