

**Implementation Plan for One TMDL for Bacteria in Guadalupe River Above Canyon Lake**  
UGRA Bacteria Reduction Plan

2024 Implementation Tracking Report

<b>Management Measure</b>	<b>2024 Update</b>
1.0 Reduce bird feeding at Louise Hays Park and Kerrville-Schreiner Park	UGRA continues monthly surveys to track recreator and waterfowl presence at Louise Hays Park and Kerrville-Schreiner Park.
1.1 Public Education	UGRA staff continues to spread the public service announcement “ <a href="#">Don’t Feed the Ducks</a> ” on radio programs, social media posts, newspaper articles, and presentations. In 2016, UGRA partnered with the City of Kerrville Parks and Recreation staff to develop and install “Don’t Feed the Ducks” signage at city riverside parks. UGRA has purchased replacements and additional signs when necessary.
2.0 Reduce number of birds roosting and nesting on bridges directly over the study area waterways	UGRA continues monthly surveys of roosting and nesting along the Highway 16 bridge. In 2013, bird exclusion netting was installed along the Highway 16 bridge and UGRA staff routinely inspects the bridge netting from the ground.
3.0 Manage the waterfowl population at Louise Hays Park and Kerrville-Schreiner Park	UGRA continues monthly surveys to track recreator and waterfowl presence at Louise Hays Park and Kerrville-Schreiner Park.
4.0 Reduce human contributions through ongoing lateral sewage line re-placement, sewer inspection and rehabilitation, ongoing septic system plan review and registration, mapping of the priority OSSF area, and an education program for OSSF owners.	UGRA partnered with Kerr County Environmental Health Department (KCEHD) to develop and print <a href="#">homeowners’ guides</a> for proper OSSF usage and maintenance. UGRA continues to print and distribute these guides. UGRA staff continues to include OSSF topics in presentations and invites KCEHD staff when appropriate.
4.1 City of Kerrville Wastewater Infrastructure	The City of Kerrville continues to maintain and improve the system in accordance with their <a href="#">Water and Wastewater Master Plan</a>

4.2 On Site Sewage Facilities	KCEHD continues to be the Designated Representative in charge of enforcing OSSF rules and regulations.
5.0 Implement an education program for pet owners and install pet waste stations at public parks.	UGRA staff continues to spread the theme “pick up after your pet” on radio programs, social media posts, newspaper articles, and presentations.
5.1 Pet Waste Stations	Starting in 2010, UGRA partnered with Kerr County and the City of Kerrville to install pet waste stations at riverside parks and along the River Trail. There are currently 46 pet waste stations across the county with informational signage. Signage in Flat Rock Park was updated and replaced. Additional aging signs were replaced.
5.2 Public Education	UGRA staff continues to spread the theme “ <a href="#">pick up after your pet</a> ” on radio programs, social media posts, newspaper articles, and presentations. In addition to the signs at each station, there are two large educational signs at Flat Rock Park.
6.0 Reduce contributions from general urban runoff through street sweeping, river clean ups, and storm water education programs.	UGRA staff continues to spread information about <a href="#">urban runoff</a> on radio programs, social media posts, newspaper articles, and presentations.
6.1 Street Sweeping	The City of Kerrville continues to conduct routine street sweeping.
6.2 Storm Drain Marking Program	Stormdrain markers were placed in 90 locations throughout the watershed in 2017. The condition of existing markers will be spot checked in 2025.
6.3 Trash Removal	UGRA continues to host an annual River Clean Up. In 2024, there were 373 volunteers who collected 4,825 pounds of trash from the watershed. UGRA staff also conducted regular crossing cleanups throughout the year where 2,031 pounds of trash were collected from 13 high priority sites.

<p>6.4 Public Education</p>	<p>UGRA staff continues to spread information about urban runoff on radio programs, social media posts, newspaper articles, and presentations. UGRA and Kerr County partnered together to fund litter patrols with licensed peace officers at popular river crossings during the summer to promote the message, “Pack it in...pack it out”. In 2024, UGRA selected two projects to be the first recipients of the Water Resources Preservation Grant Program (WRPGP) to help address runoff by promoting the installation of Green Stormwater Infrastructure through cost share funding.</p>
<p>7.0 Preserve riparian areas through education of riparian area structure and function and restoration efforts</p>	<p>UGRA staff continues to spread information about riparian areas on radio programs, social media posts, newspaper articles, and presentations. UGRA’s WRPGP encourages riparian protection and restoration by prioritizing projects that include riparian areas.</p>
<p>7.1 Public education</p>	<p>UGRA staff continues to spread information about <a href="#">riparian areas</a> on radio programs, social media posts, newspaper articles, and presentations. UGRA’s new WRPGP provides additional resources about riparian areas for developers.</p>
<p>7.2 Healthy Creeks Initiative</p>	<p>UGRA continues to participate in the <a href="#">Healthy Creeks Initiative</a>. In 2024, 111 out of the 126 Kerr County properties enrolled in the program were surveyed by UGRA. The parcels not surveyed were all resurveys presumed to have no Arundo. Of the 126 properties, 79 had Arundo and all of them were treated by the sprayers during August and September.</p>

<p>7.3 Feral Hogs</p>	<p>Kerr County is one of the few places in Texas that encourages removal of <a href="#">feral hogs</a> by paying a bounty upon each hog removed. The Feral Hog Management program is supported by Kerr County and UGRA. In 2024, almost 1,600 hogs were removed in Kerr County and since the beginning of this unique program over 12,800 hogs have been removed. As a continuation of that program, UGRA and Kerr County own two traps one of which is operated by a local trapper and the other can be loaned out for use on private properties.</p>
<p>8.0 Promote green infrastructure to reduce stormwater runoff</p>	<p>UGRA staff continues to spread information about <a href="#">urban runoff</a> on radio programs, social media posts, newspaper articles, and presentations. In 2024, UGRA selected two new projects to be the first recipients of the WRPGP to help address runoff by promoting the installation of Green Stormwater Infrastructure through cost share funding. The projects include Kerr County’s Animal Services Facility and the City of Kerrville’s Public Safety Facility.</p>
<p>8.1 Rainwater Harvesting</p>	<p>UGRA continues its <a href="#">Rainwater Harvesting Rebate Program</a>, where applicants who install or upgrade their rainwater harvesting system, can receive a rebate up to \$500. In 2024, 51 rebates were fulfilled for over \$16,000. To promote rainwater harvesting in all parts of the community, UGRA has a Rainwater System Grant Program where nonprofit organizations, schools, and public entities can receive up to \$15,000 to install or improve their rainwater harvesting system.</p>

8.2 UGRA EduScape

The [UGRA EduScape](#) continues to be an educational asset as a demonstration landscape. Seven in person tours of the EduScape were held in 2024 and many visitors stopped by for a self-guided tour. This year was the third year of a severe drought for the Hill Country and the drought-tolerant landscaping survived through significant water restrictions and a summer flood.