

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

2023 Implementation Tracking Report

Management Measure	2023 Update
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 “ Don’t Feed the Ducks ” 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. In 2023, UGRA staff made needed repairs to the netting.
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 homeowners’ guides 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 Water and Wastewater Master Plan

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. There are plans to replace a significant amount of signage in 2024.
5.2 Public Education	UGRA staff continues to spread the theme “ pick up after your pet ” 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 urban runoff 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 the future.
6.3 Trash Removal	UGRA continues to host an annual River Clean Up. In 2023, there were 549 volunteers who collected 8,110 pounds of trash from the watershed. To accompany this main event, there was an “On Your Own” river clean up where 59 volunteers conducted cleanups at 7 locations. UGRA staff also conducted regular crossing cleanups throughout the year where 2,518 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 2023, UGRA launched the Water Resources Preservation Grant Program (WRPGP) to help address runoff by promoting the installation of Green Stormwater Infrastructure through cost share funding up to \$150,000.</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 new 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 riparian areas 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 Healthy Creeks Initiative. In 2023, delays at TPWD and difficulties getting access to the databases postponed the start of the Healthy Creeks Initiative Arundo management program from May to July. Staff reviewed most of the Kerr County parcels in the program and surveyed enough properties to make up the two days of spraying Kerr County received. The spraying season was shortened by winds and wildfires in other counties. Previously treated parcels were given priority this season and those surveyed and not treated from last year were treated this year. Staff continues to flag properties for future outreach, but no new parcels were added this year. Communication towards the end of this summer suggested that the admin complications will be improved for next year.</p>
<p>7.3 Feral Hogs</p>	<p>Kerr County is one of the few places in Texas that encourages removal of feral hogs by paying a bounty upon each hog removed. The Feral Hog Management program is supported by Kerr County and UGRA. In 2023, almost 1,900 hogs were removed in Kerr County and since the beginning of this unique program over 11,300 hogs have been removed. As a continuation of that program, UGRA and Kerr County own two traps that are operated by a local trapper on private properties.</p>
<p>8.0 Promote green infrastructure to reduce stormwater runoff</p>	<p>UGRA staff continues to spread information about urban runoff on radio programs, social media posts, newspaper articles, and presentations. In 2023, UGRA launched the WRPGP to help address runoff by promoting the installation of Green Stormwater Infrastructure through cost share funding up to \$150,000.</p>

8.1 Rainwater Harvesting	UGRA continues its Rainwater Harvesting Rebate Program , where applicants who install or upgrade their rainwater harvesting system, can receive a rebate up to \$500. In 2023, 46 rebates were fulfilled for over \$17,000. 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. In 2023, a recipient of this grant was the Hunt Volunteer Fire Department.
8.2 UGRA EduScape	The UGRA EduScape continues to be an educational asset as a demonstration landscape. Three in person tours of the EduScape were held in 2023 and many visitors stopped by for a self-guided tour. This year was the second year of a severe drought for the Hill Country and the drought-tolerant landscaping survived through significant water restrictions.