

Dry Comal Creek and Comal River Watershed Protection Plan Implementation Update

Phillip Quast
Watershed Supervisor
City of New Braunfels

March 15, 2023

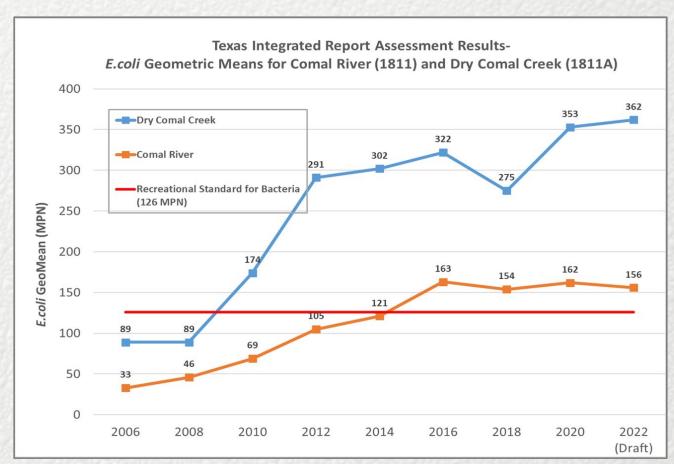
Water Quality Concerns



Dry Comal Creek: initially placed on the 303(d) list for bacteria in 2010.

Comal River: initially placed on the 303(d) list for bacteria in 2016.

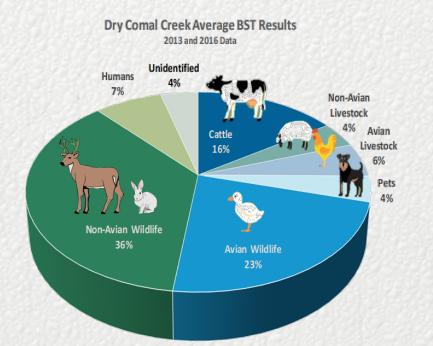
Note: Each data point represents the GeoMean of approx. 84 samples. For example, the 2020 assessment data points include 84 samples collected 2011-2018.

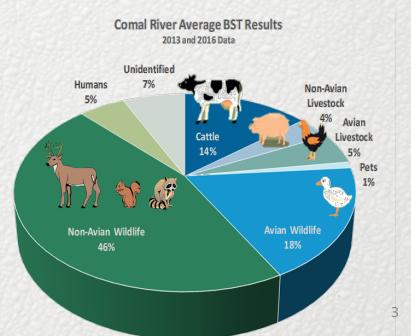


Water Quality Concerns



- Bacteria Source Tracking (BST) analysis was conducted in 2013 & 2016 by Texas A&M lab to identify sources of bacteria in creek/ river
- Approx. 60% of the bacteria found in Comal River & Dry Comal Creek from wildlife
- The Watershed Protection Plan (WPP) for the Dry Comal Creek and Comal River includes wildlife management measures to address bacteria loading. WPP accepted by TCEQ and EPA in September 2018. Funding also provided by TCEQ/ EPA to support WPP implementation.





Previous Efforts







Do Not Feed the Wildlife

Notice: Anyone found feeding wildlife may be subject to fines up to ORDINANCE NO. 2018-58

> Para rida información, visite http://www.nbteras.org/Wildlife











City of New Braunfels

WATERSHED MANAGEMENT



Previous Efforts



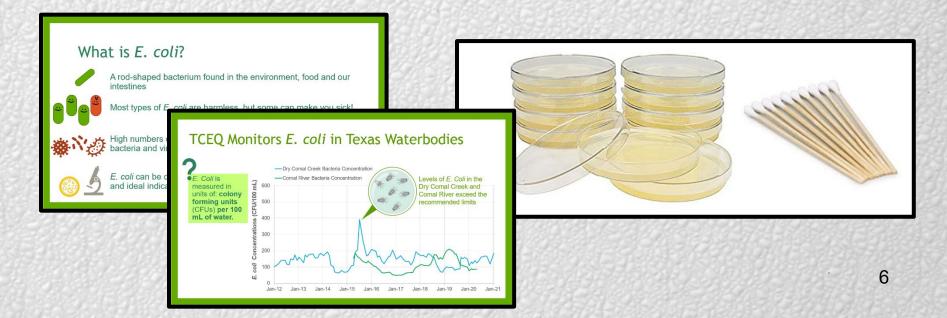


Outreach and Education



Hands-on Learning Activity

- Hands-on activity focuses on the how bacteria levels of a sample are determined in a labratory setting
- Classroom kits consist of a handbook for the activity, student workbooks, Petri dishes, and cotton swabs
- CoNB staff provides kits to teachers interested in incorporating this activity into their curriculum



BMPs Addressing Stormwater

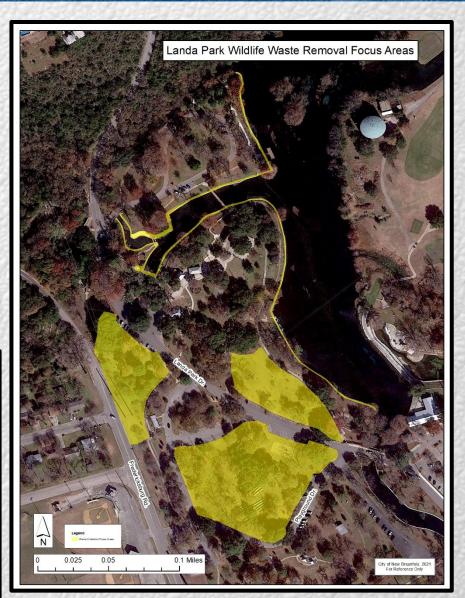


Wildlife Waste Removal

- CoNB has contracted with an animal waste removal service to pick up animal waste in Landa Park
- Waste removal service is performed twice per month
- Since May 2021, over 3000 lbs.
 of waste has been removed







BMPs Addressing Stormwater



Stormwater Structural BMP

- Design work has begun for a stormwater filtration system to be installed at Eikel St. and Santa Clara Ave.
- Pilot study; upstream and downstream data collected will be used to determine effectiveness of filter system
 - Two biofiltration beds will also be monitored



BMPs Addressing Stormwater



Stormwater Structural BMP - Biofiltration



Next Steps...

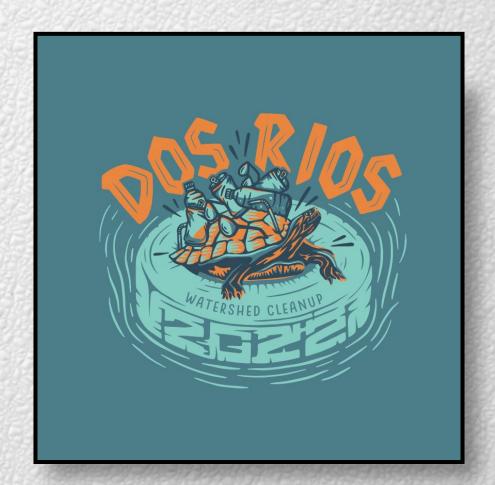


- Construction of Stormwater Structural BMP tentatively to occur in FY 2024
- Outreach and Education
 - Digital campaign is being designed by CoNB Communications Dept. – Social media, strategic advertisement placement
 - Printed infographics in Herald-Zeitung, Community Impact

Watershed Events



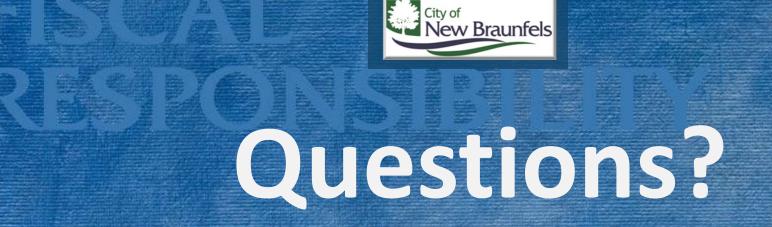
- Dos Rios Watershed
 Cleanup
 - City-wide annual single-day volunteer event
 - Held in early October
- Adopt-a-Spot Program



City of New Braunfels

Additional WPP Information:

www.newbraunfels.gov/wpp



Phillip Quast
Watershed Supervisor
City of New Braunfels
(830) 221-4651
pquast@newbraunfels.gov