Dry Comal Creek and Comal River Watershed Protection Plan Implementation Update

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**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

Keep Our Wildlife Wild

Do Not Feed the Wildlife
Notice: Anyone found feeding wildlife may be subject to fines. See ORDINANCE NO. 2018-58

Keep it Clean!

Watershed Management
Outreach and Education

Hands-on Learning Activity

• Hands-on activity focuses on the how bacteria levels of a sample are determined in a laboratory 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
Additional WPP Information:

www.newbraunfels.gov/wpp
Questions?

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