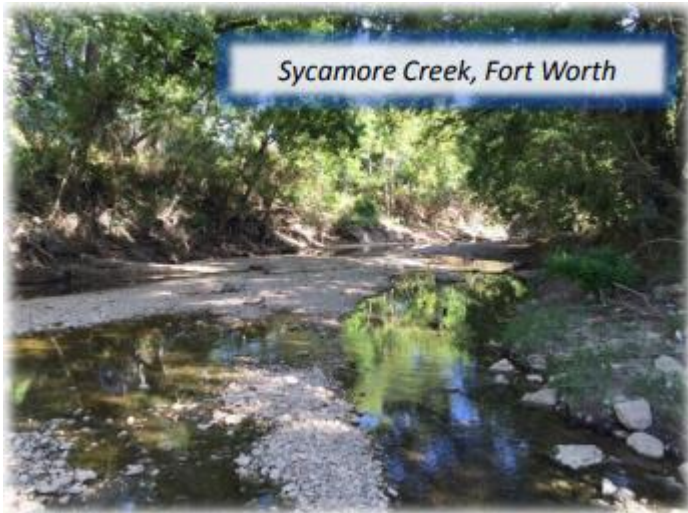


# Sycamore Creek TMDL Update

Greater Trinity River Bacteria TMDL I-Plan  
Coordination Committee  
NCTCOG  
June 14, 2018

# Sycamore Creek

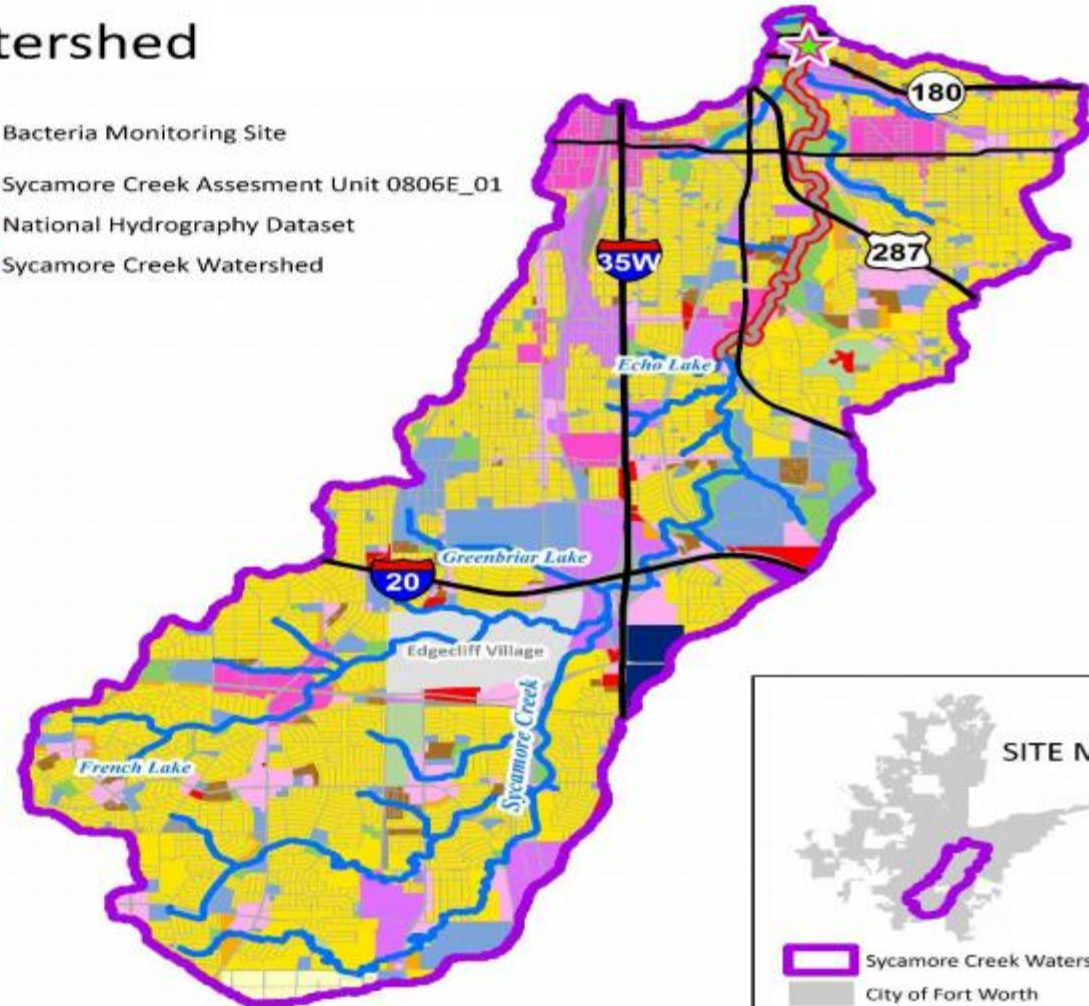
- Watershed – 22,660 acres
- 95.5% is within City of Fort Worth
- 303 (d) listed bacteria impairment in 2006



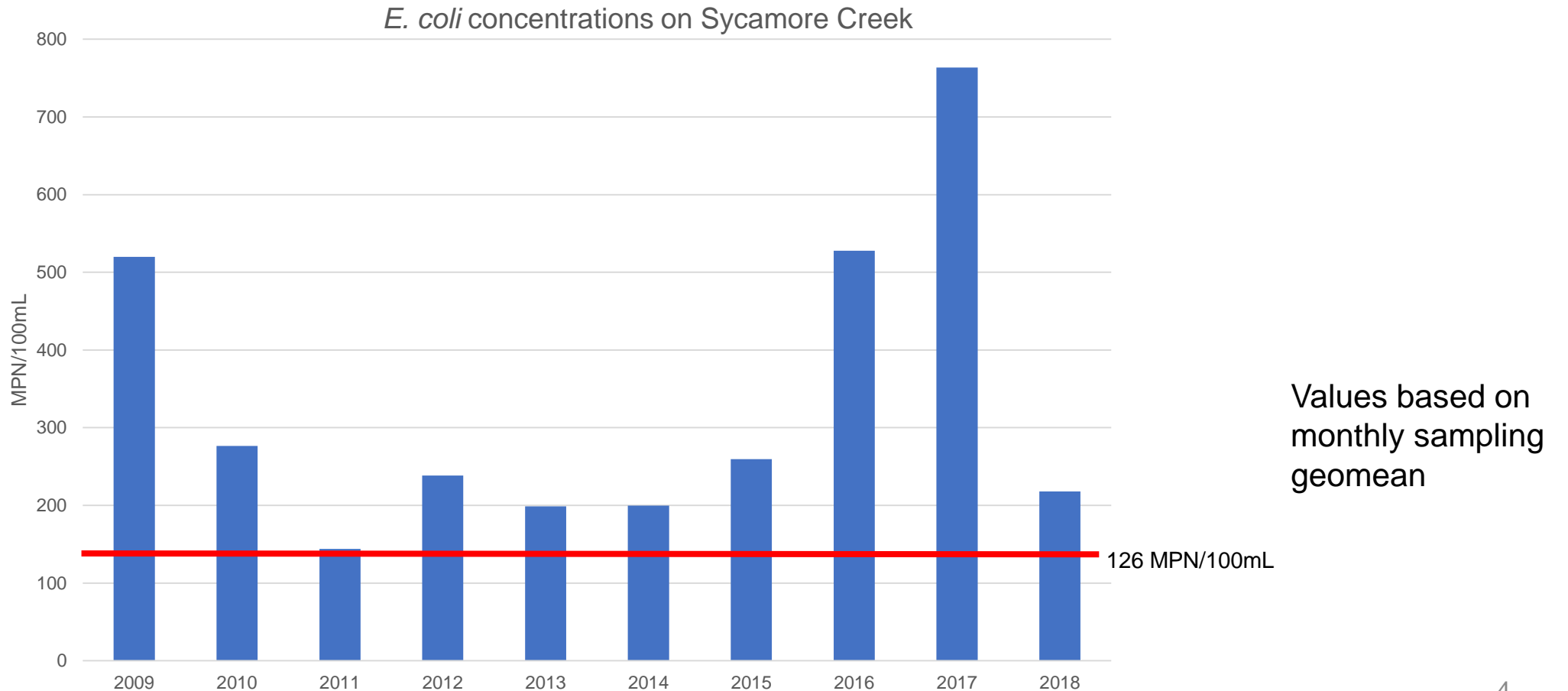
## Sycamore Creek Watershed

- Edgecliff Village (Not Classified)
- Rural Residential (0.84%)
- Single Family Residential (40.57%)
- Low Density Residential (1.07%)
- Medium Density Residential (1.67%)
- High Density Residential (0.03%)
- Transportation (21.81%)
- Institutional (9.07%)
- Neighborhood Commercial (5.83%)
- General Commercial (1.08%)
- Light Industrial (5.43%)
- Heavy Industrial (0.13%)
- Mixed-Use (3.84%)
- Industrial Growth Center (0.69%)
- Infrastructure (0.78%)
- Public Park, Recreation, Open Space (5.37%)
- Private Park, Recreation, Open Space (1.65%)
- Lakes and Ponds (0.14%)

- Bacteria Monitoring Site
- Sycamore Creek Assesment Unit 0806E\_01
- National Hydrography Dataset
- Sycamore Creek Watershed



# Sycamore Creek Average Annual Bacteria Concentrations



## Sycamore Creek TMDL

- June 16, 2016 : Discussed overview of Sycamore Creek watershed and TMDL development plan with a goal to include final TMDL in the Greater Trinity River Bacteria TMDL Implementation Plan
- June 15, 2017 : Recap on Sycamore Creek watershed and status update on TMDL development and upcoming public meeting

## 0806\_E

- TCEQ contracted the Texas Institute for Applied Environmental Research (TIAER) at Tarleton State University to begin work on TMDL development in 2016.
- TIAER finalized TMDL Technical Support Document in August 2017.
- TCEQ held a public meeting on August 15, 2017 in Fort Worth.
- City of Fort Worth began a watershed-based project for sources of bacteria in Fall 2017.

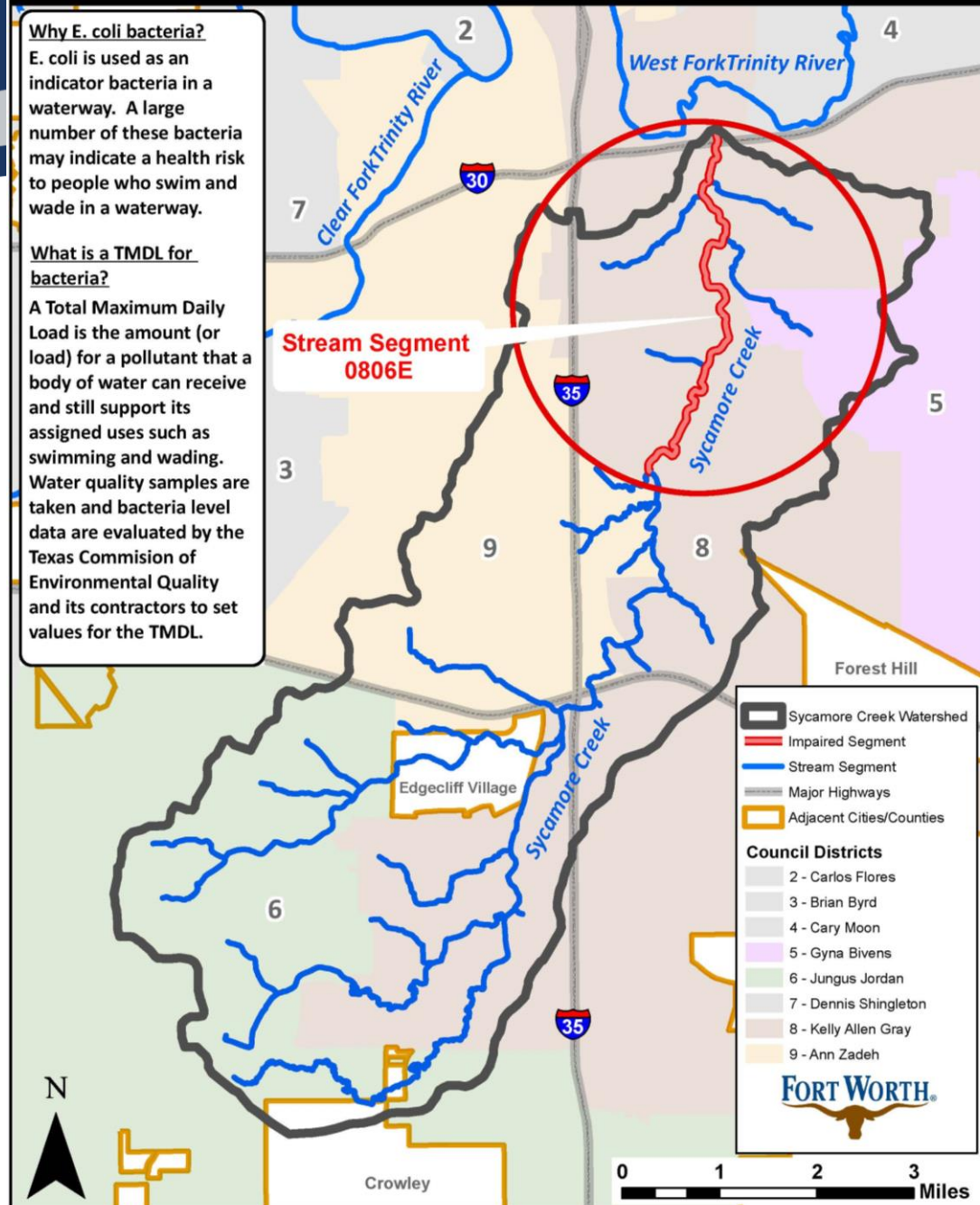
## Proposed Total Maximum Daily Load (TMDL) for *E. coli* Bacteria Sycamore Creek Segment 0806E

### Why *E. coli* bacteria?

*E. coli* is used as an indicator bacteria in a waterway. A large number of these bacteria may indicate a health risk to people who swim and wade in a waterway.

### What is a TMDL for bacteria?

A Total Maximum Daily Load is the amount (or load) for a pollutant that a body of water can receive and still support its assigned uses such as swimming and wading. Water quality samples are taken and bacteria level data are evaluated by the Texas Commission of Environmental Quality and its contractors to set values for the TMDL.



## Current and Future Status

- TCEQ public meeting on June 26, 2018
- Public comment period ends July 9, 2018
- TCEQ plans to finalize TMDL later in 2018.
- City of Fort Worth and partners to continue efforts for watershed-wide bacteria management research
- 2019: Begin implementation of identified bacterial management strategies
- City of Fort Worth requests support for a resolution to adopt Sycamore Creek into the existing I-Plan

**GOAL: To restore Sycamore Creek water quality to bacteria levels that support designated aquatic use**



# Thank you!

## Contact Information:

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