Sycamore Creek TMDL Update

Great Trinity River Bacteria TMDL I-Plan
Coordination Committee

NCTCOG · Arlington, Texas

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Sycamore Creek, Fort Worth

TMDL Purpose

- To create a measure for improved water quality by reducing bacteria loading into Sycamore Creek.

- To restore Sycamore Creek water quality with bacteria levels that support designated aquatic use.

- To maintain partnerships in support of regional bacteria control efforts.

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.

Sycamore Creek

- Watershed - 22,660 acres

- 95.5% is within City of Fort Worth

- 303(d) listed for bacteria impairment in 2006

Sycamore Creek, Fort Worth

Sycamore Creek, Fort Worth
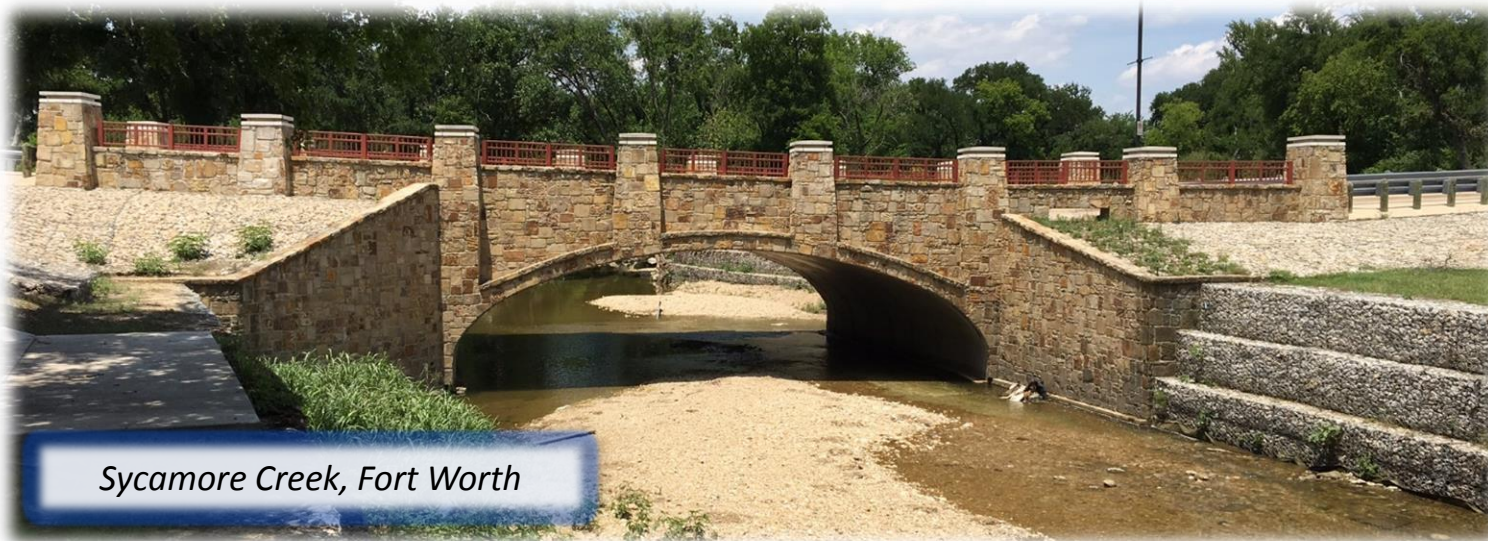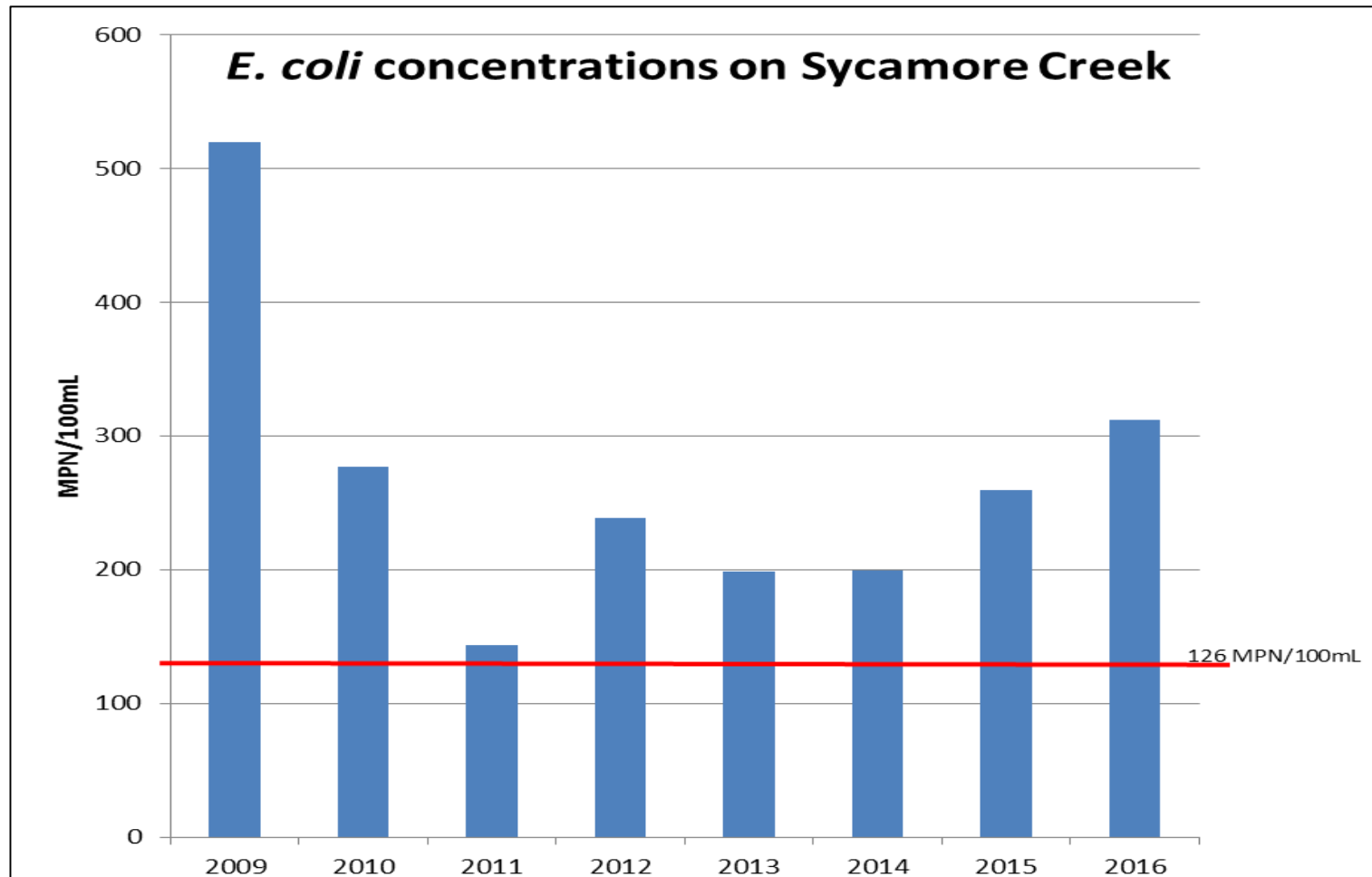
Sycamore Creek Watershed

Legend:

- 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
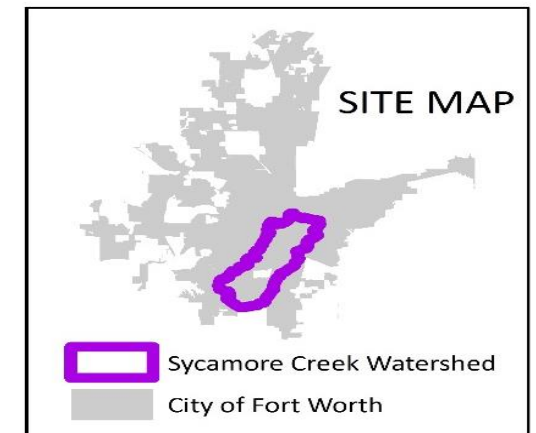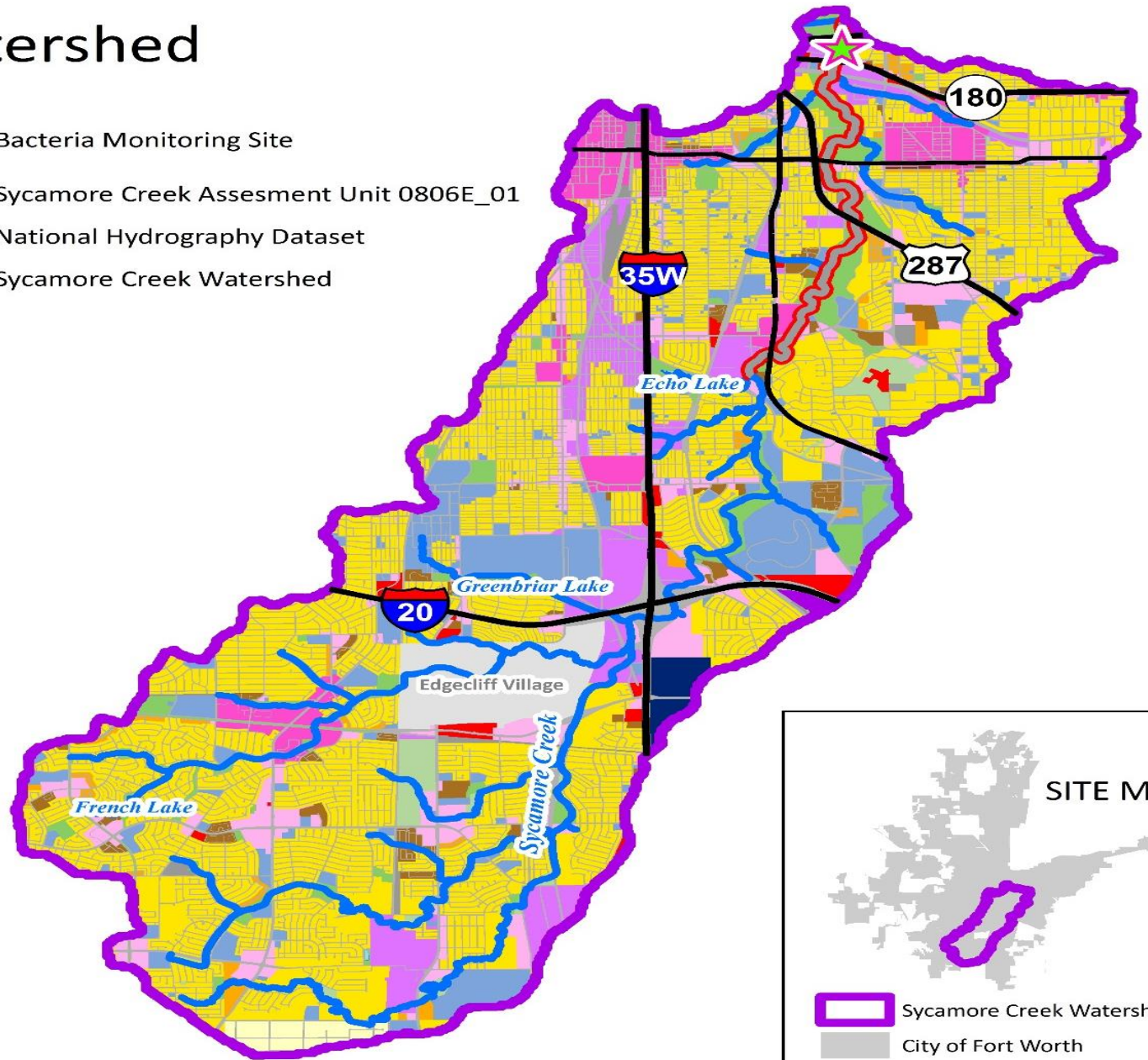
FORT WORTH®

base data: CITY OF FORT WORTH 2016 COMPREHENSIVE PLAN
base map: CITY OF FORT WORTH GEOGRAPHIC INFORMATION SYSTEM

SITE MAP

▭ Sycamore Creek Watershed
City of Fort Worth

(Map features: Echo Lake, Greenbriar Lake, French Lake, Edgecliff Village, Sycamore Creek; Highways 180, 287, 35W, 20)

Sycamore Creek Average Annual Bacteria Concentrations

Values based on average of monthly samples.

- TCEQ finalized QAPP to acquire data for a TMDL which allowed Texas Institute for Applied Environmental Research (TIAER) [contractor] at Tarleton State University to begin work in 2016.

- TIAER to finalize TMDL Technical Support Document in June/July 2017.

- TCEQ, with support from City of Fort Worth, to hold public meeting in August 2017 in Fort Worth.

- City of Fort Worth to begin watershed-based research for sources of bacteria in Fall 2017.

- TCEQ plans to finalize TMDL in late 2017 or early 2018.

- City of Fort Worth to request support for a resolution to adopt Sycamore Creek into the existing Greater Trinity River Bacteria TMDL I-Plan on June 14, 2018 (next year).

- City of Fort Worth and partners to continue efforts for watershed-wide bacteria management research.

- City of Fort Worth to begin implementation of identified bacteria mitigation strategies.

Contact Information:

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Thank you!

Sycamore Creek, Fort Worth