

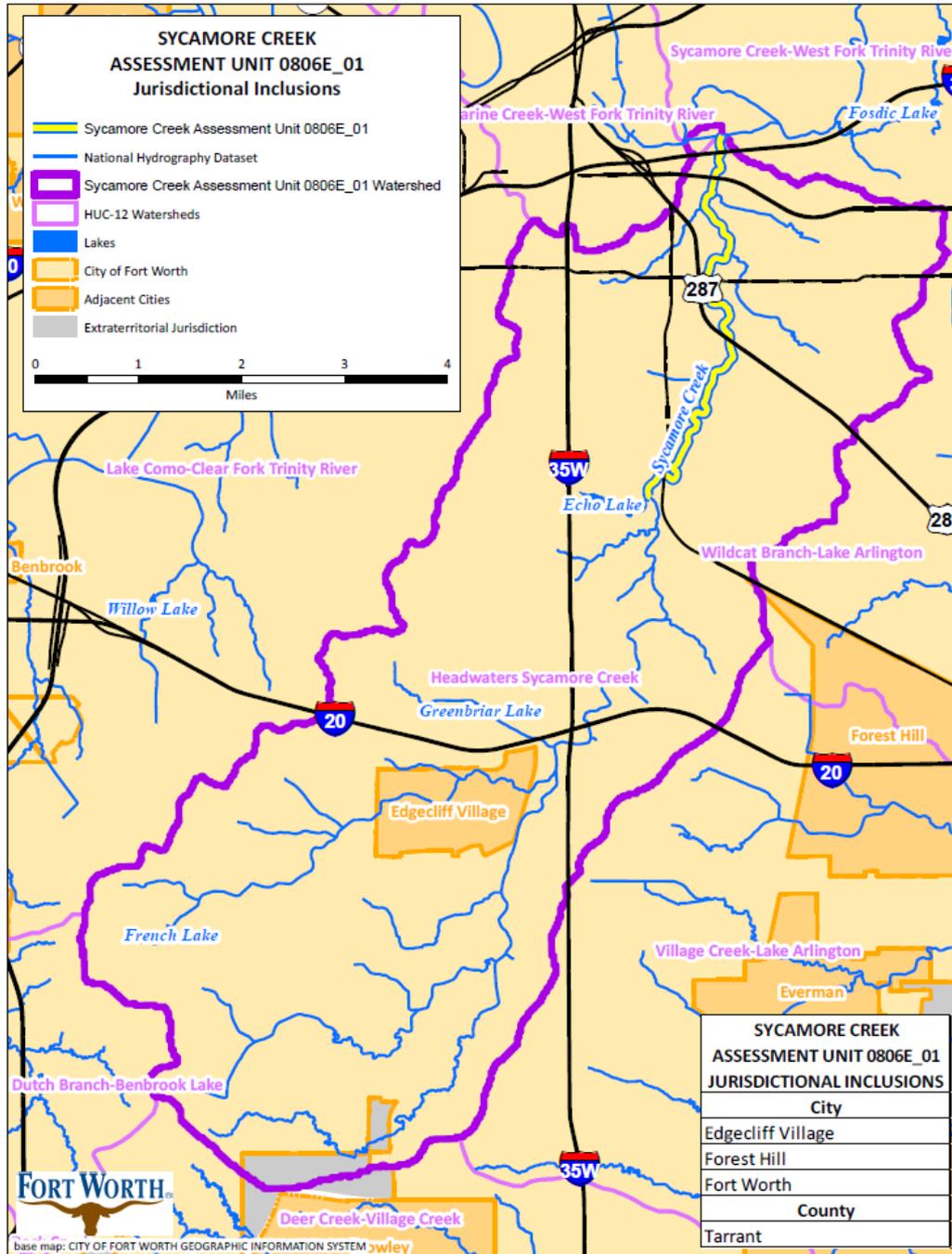
303d Vision

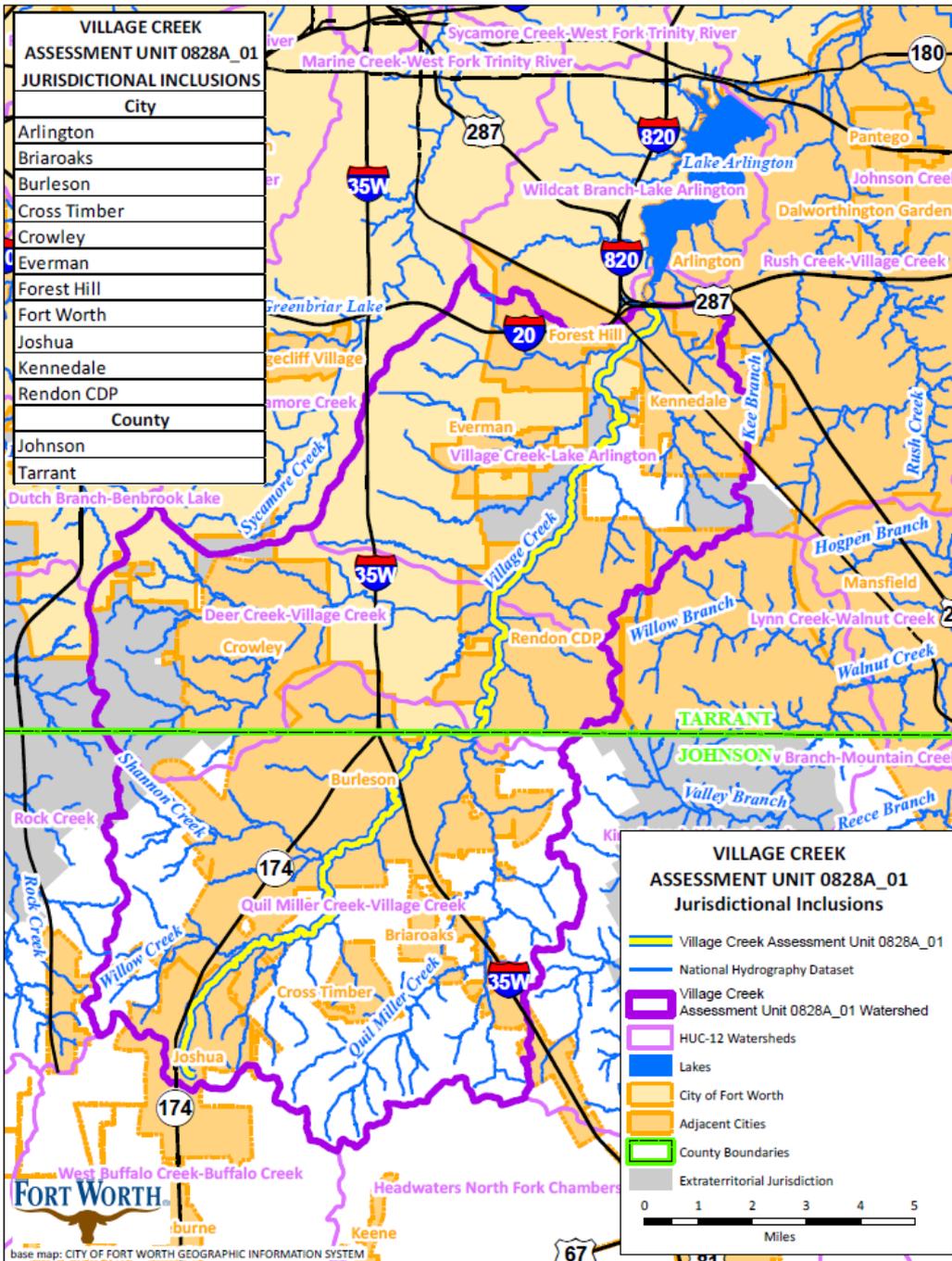


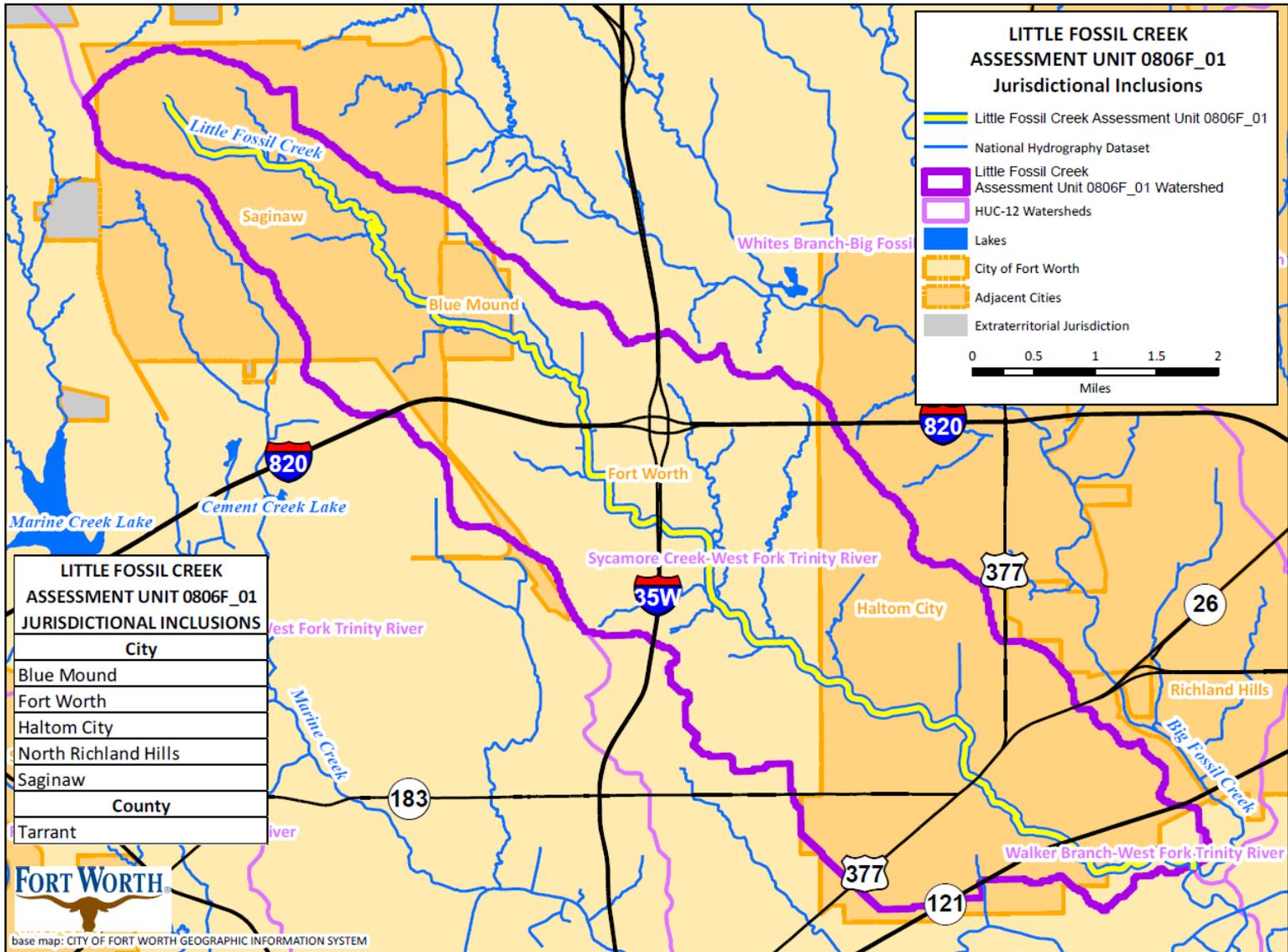
City of Fort Worth
October 2015

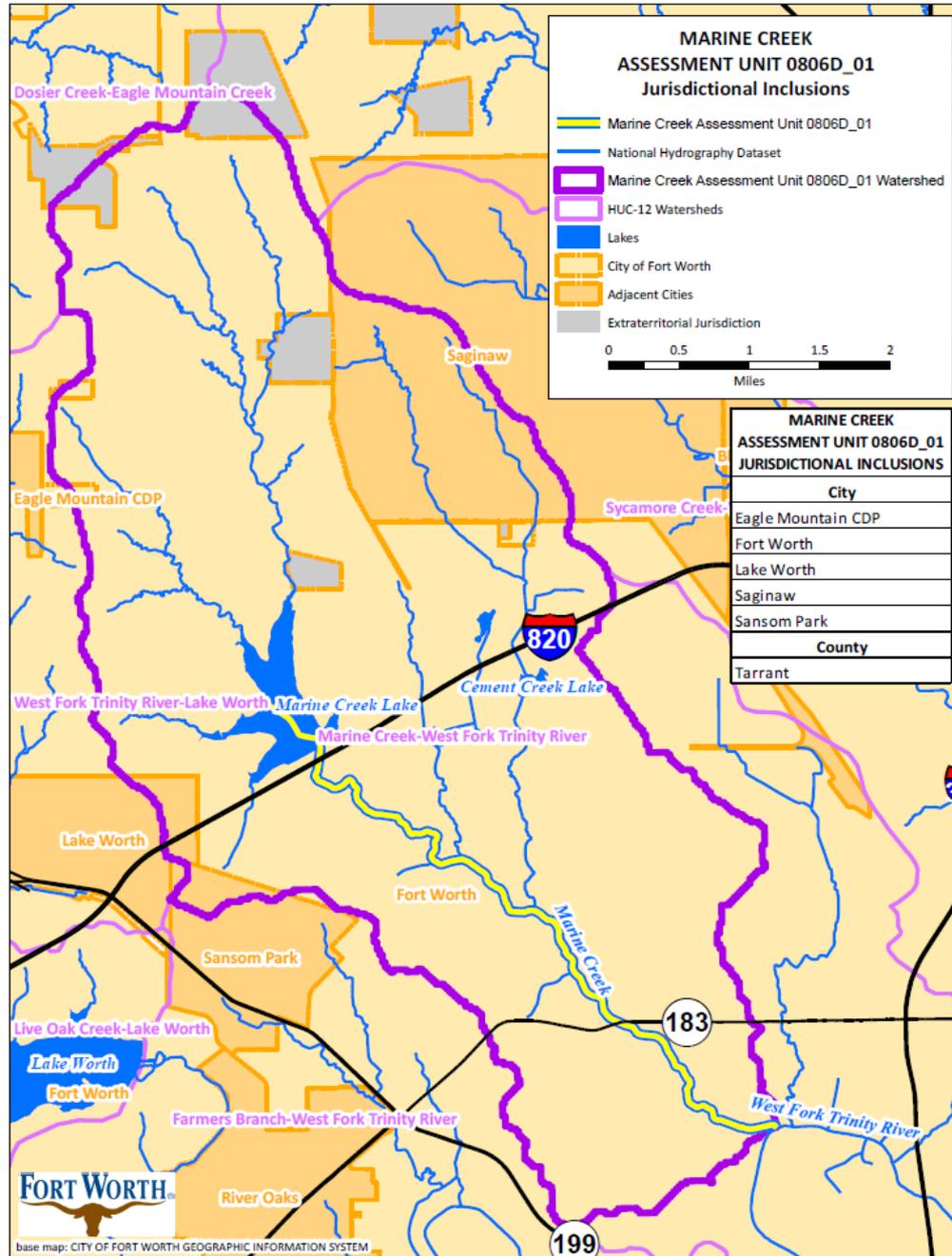
Bacteria and Fort Worth

- We've got a bacteria problem
- Two watersheds within FW are 303(d)
 - Sycamore Creek (22,660 acres—95.5%)
 - Village Creek (14,511 acres—18.7%)
- Two more are Watersheds of Concern
 - Little Fossil (5,471 acres—43.4%)
 - Marine Creek (12,154 acres—86.8%)



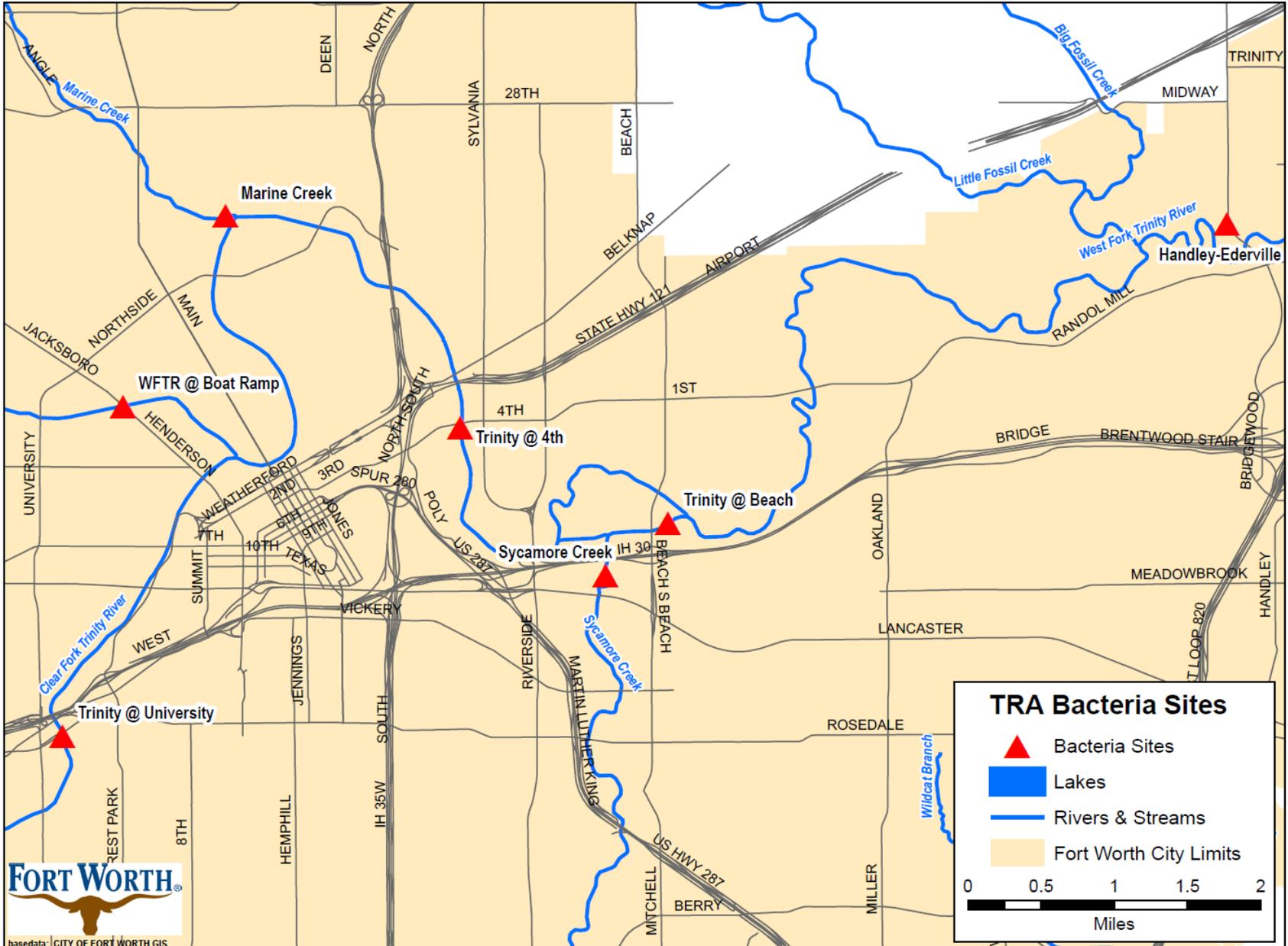






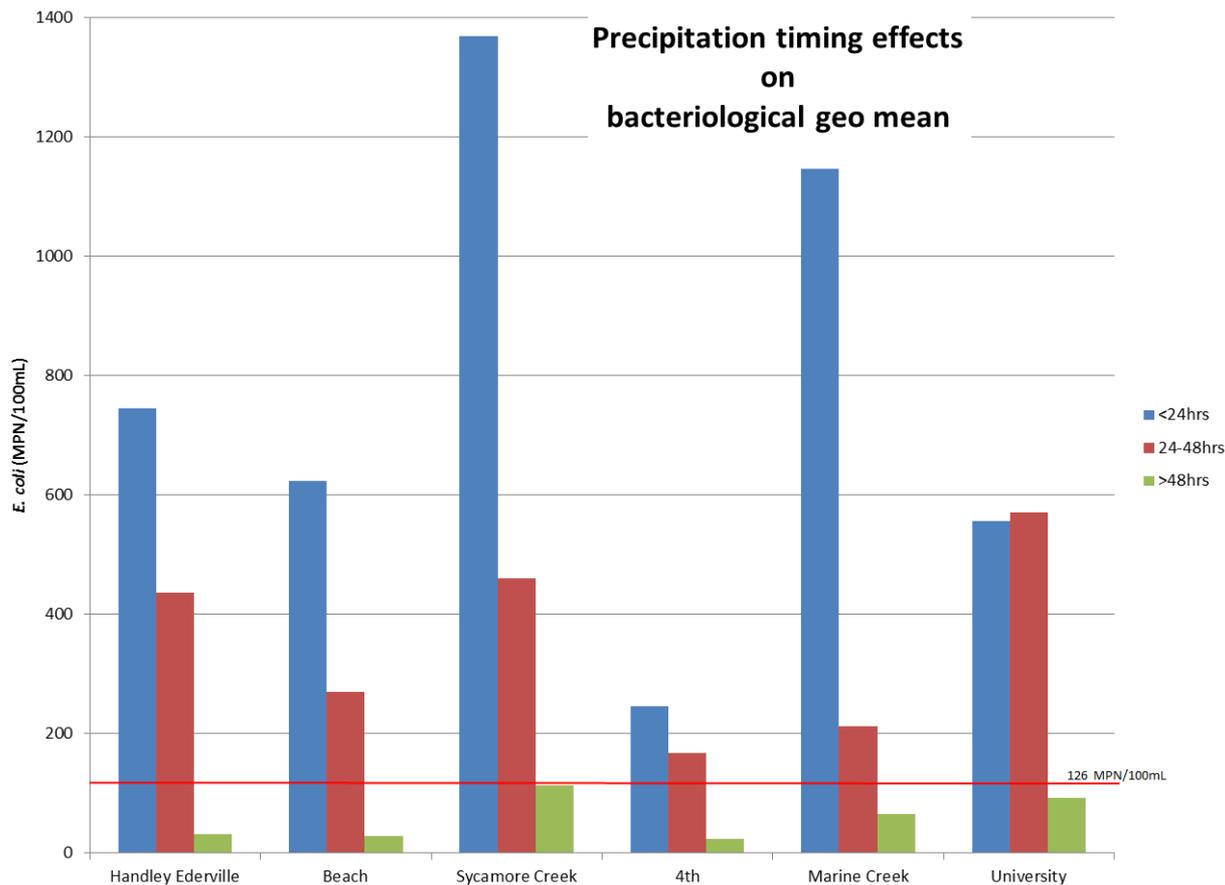
Data

- The second Tuesday of every month is Bacteria Tuesday
 - Rain, shine, drought, flood, or cobblestone ice
 - Samples are collected along the Trinity and 2 tributaries
 - Bacteria is analyzed and reported to TCEQ
 - Quarterly samples to certified lab
 - Certified and un-certified results reported to TRA



Sycamore	Average	Geo mean
2010	743.2	276.7
2011	988.9	143.9
2012	1061.1	238.3
2013	394.5	198.6
2014	699.3	199.0
2015	3343.6	380.9

2014	Average	Geo mean
WFTR 1	916.8	88.9
WFTR 2	1685.9	108.4
WFTR 3	601.7	70.3
CFTR 1	988.3	192.5
Sycamore Crk	699.3	199.0
Marine Crk	789.0	150.4



Future Plans

- Add all four watersheds to an existing I-Plan which covers 20+ sub-watersheds east of Fort Worth
 - FW is already following some of the implementation strategies; makes sense to include additional watersheds



Approved December 11, 2013

Implementation Plan for Seventeen Total Maximum Daily Loads for Bacteria in the Greater Trinity River Region

Upper Trinity River

Segment 0805

Assessment Units 0805_03 and 0805_04

Cottonwood Branch and Grapevine Creek

Segments 0822A and 0822B

Assessment Units 0822A_02 and 0822B_01

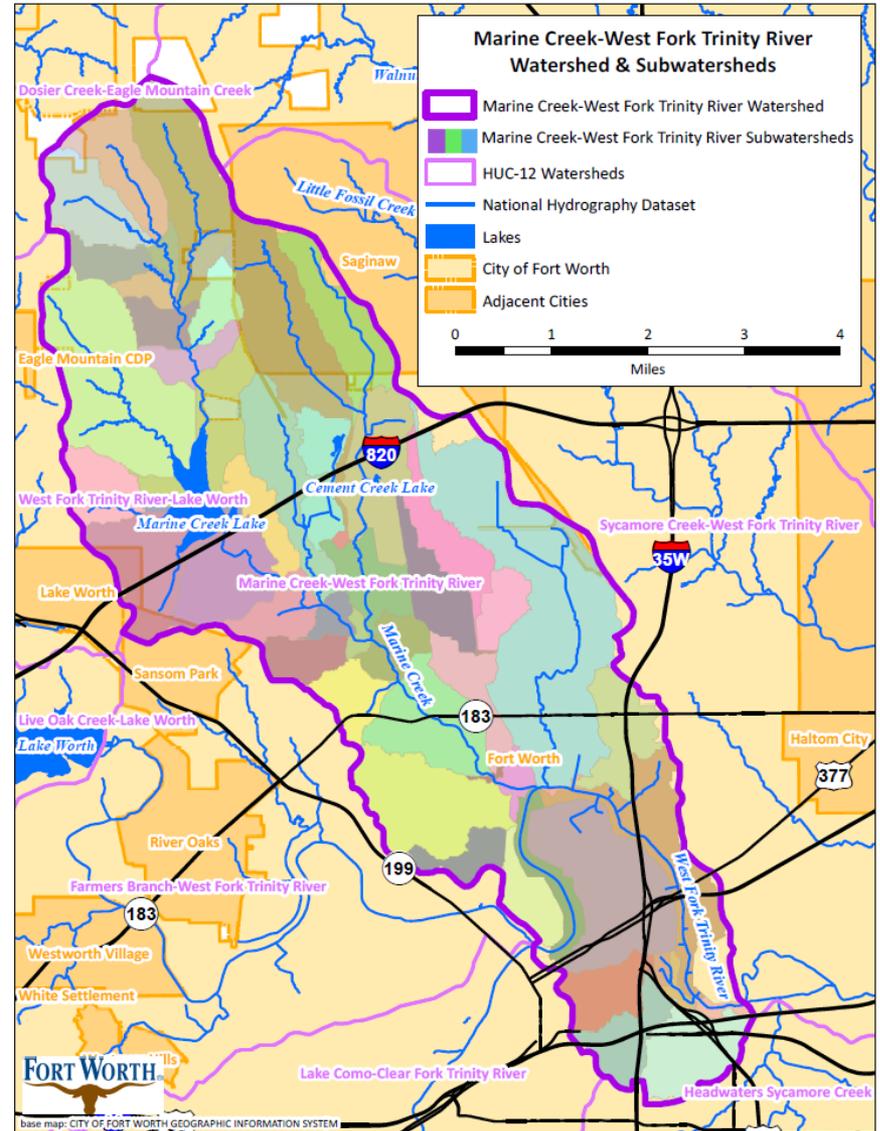
Lower West Fork Trinity River

Segments 0841, 0841B, 0841C, 0841E, 0841G, 0841H,
0841J, 0841L, 0841M, 0841R, 0841T, and 0841U

Assessment Units 0841_01, 0841_02, 0841B_01, 0841C_01,
0841E_01, 0841G_01, 0841H_01, 0841J_01, 0841L_01,
0841M_01, 0841R_01, 0841T_01, and 0841U_01

Future Plans

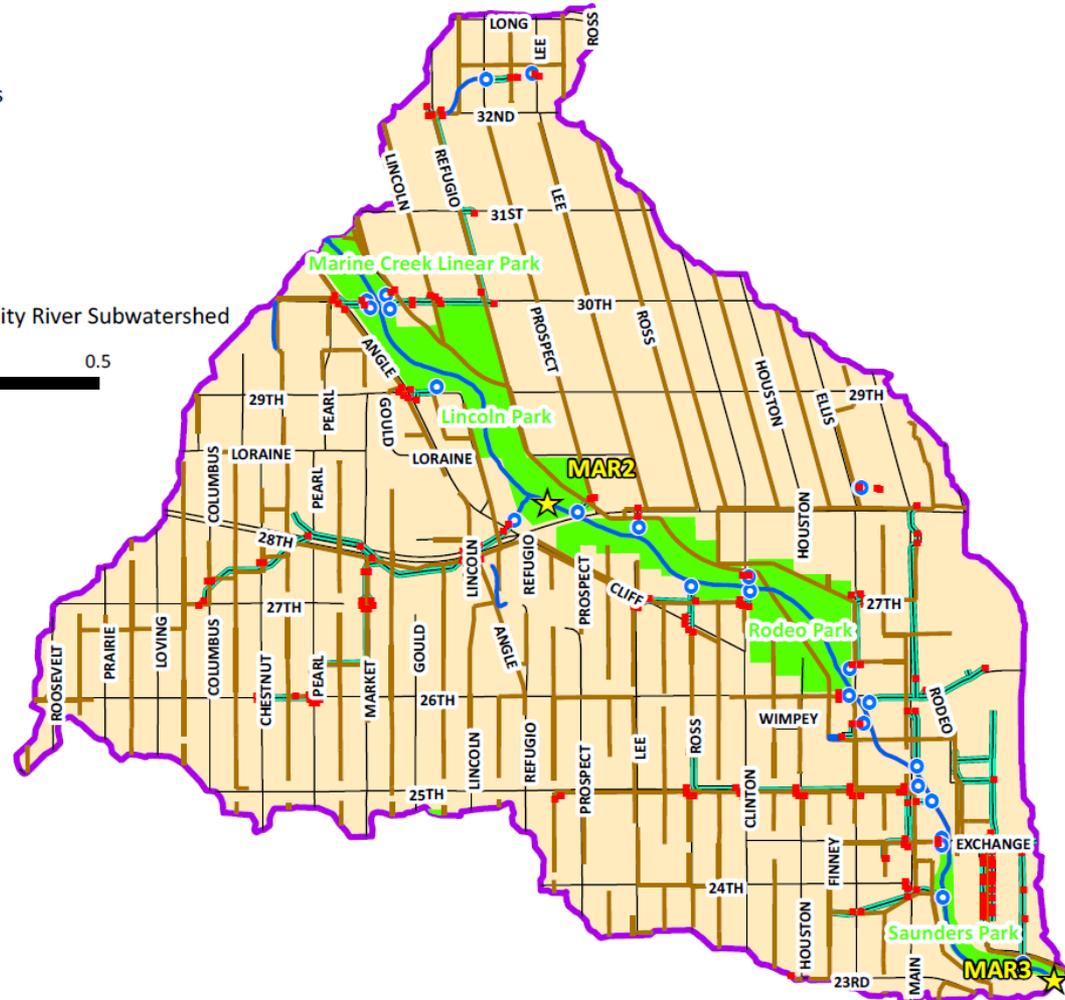
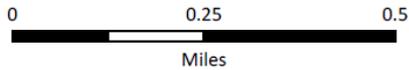
- Sub-watershed delineation
 - Marine Creek—Pilot Project
 - Assist in determining source of bacteria
 - Manageable areas
 - Determine focus of implementation strategies



Future Plans

Marine Creek-West Fork Trinity River Subwatershed

- MS4 Inlets
- MS4 Outfalls
- ★ Stormwater Monitoring Sites
- Open Channels
- Sanitary Sewer Lines
- MS4 Lines
- Parks
- Marine Creek-West Fork Trinity River Subwatershed



Future Plans

- Have TCEQ accept our in-house data
 - Split samples show precision values below certified lab precision
 - 2013—Precision 0.60
 - 2014—Precision 0.39
 - 2015—Precision 0.26



Questions?



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