Brazos River Authority

# *Water Bodies Not Meeting State Criteria and FY2015 Proposed Monitoring*

Brazos River Authority

# Impairments - Basin Overview

***The Draft 2014 IR is not yet published – information is based on the 2012 IR***

Out of a total of 190 segments evaluated…

- 17 classified segments and 68 unclassified waterbodies are listed as impaired on the 2012 303(d) List (≈45%)
- 12 classified segments and 62 unclassified waterbodies are listed as impaired for elevated bacteria (≈ 39%)
- 4 classified segments and 6 unclassified waterbodies are listed for dissolved oxygen Impairment (≈ 5%)
- 5 classified segments are listed as impaired for chloride, sulfate and/or TDS (≈ 3%)
- 31 classified segments and 56 unclassified waterbodies are identified as having concerns based on screening levels for algal growth and/or elevated nutrients (≈ 46%)

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# General Monitoring Strategy for FY2015

- Maintain current routine monitoring effort throughout the Basin.
  - In instances where stations are dropped, we will negotiate in the Coordinated Monitoring Meeting to pick up stations and maintain effort
- 8 stations near Lake Granbury will be dropped in FY2015 as the Granbury WPP Implementation wraps up.
- 4 routine monitoring stations in the Lampasas River watershed that had been monitored by BRA will be monitored by TIAER in support of the Lampasas River WPP
- The temporary discontinuation of CRP biological monitoring will for the most part continue, although BRA will perform a biological assessment on 11951 to continue evaluating long-term ecological changes in the lower portion of the Bosque River
- BRA will continue instream flow based biological monitoring in support of the BRA's Water Management Plan Environmental Studies

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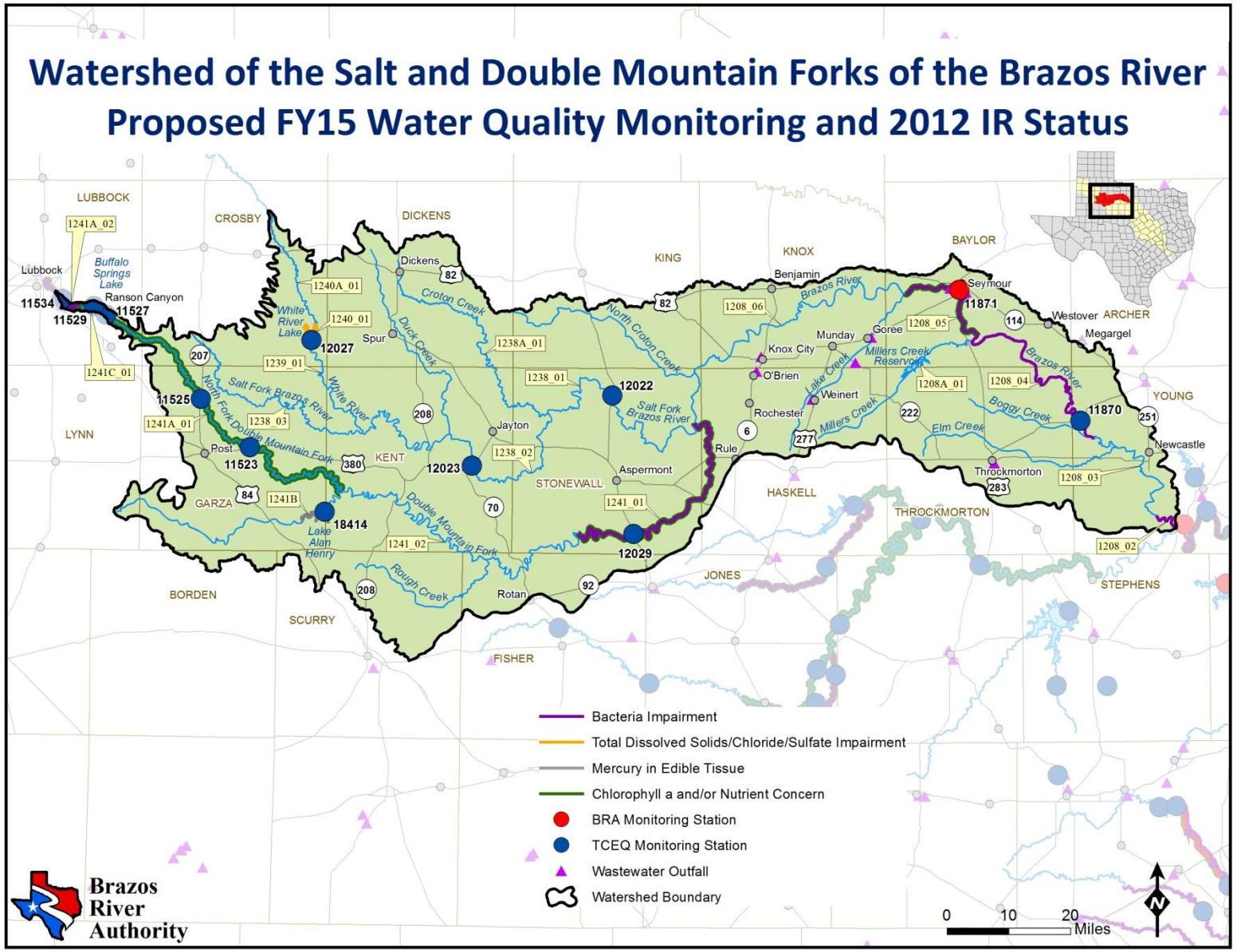
# Watershed of the Salt and Double Mountain Forks of the Brazos River
## Proposed FY15 Water Quality Monitoring and 2012 IR Status




➢3 Bacteria – 1 TDS/Chloride/Sulfate – 1 Mercury – 4 Nutrient/Chl *a*

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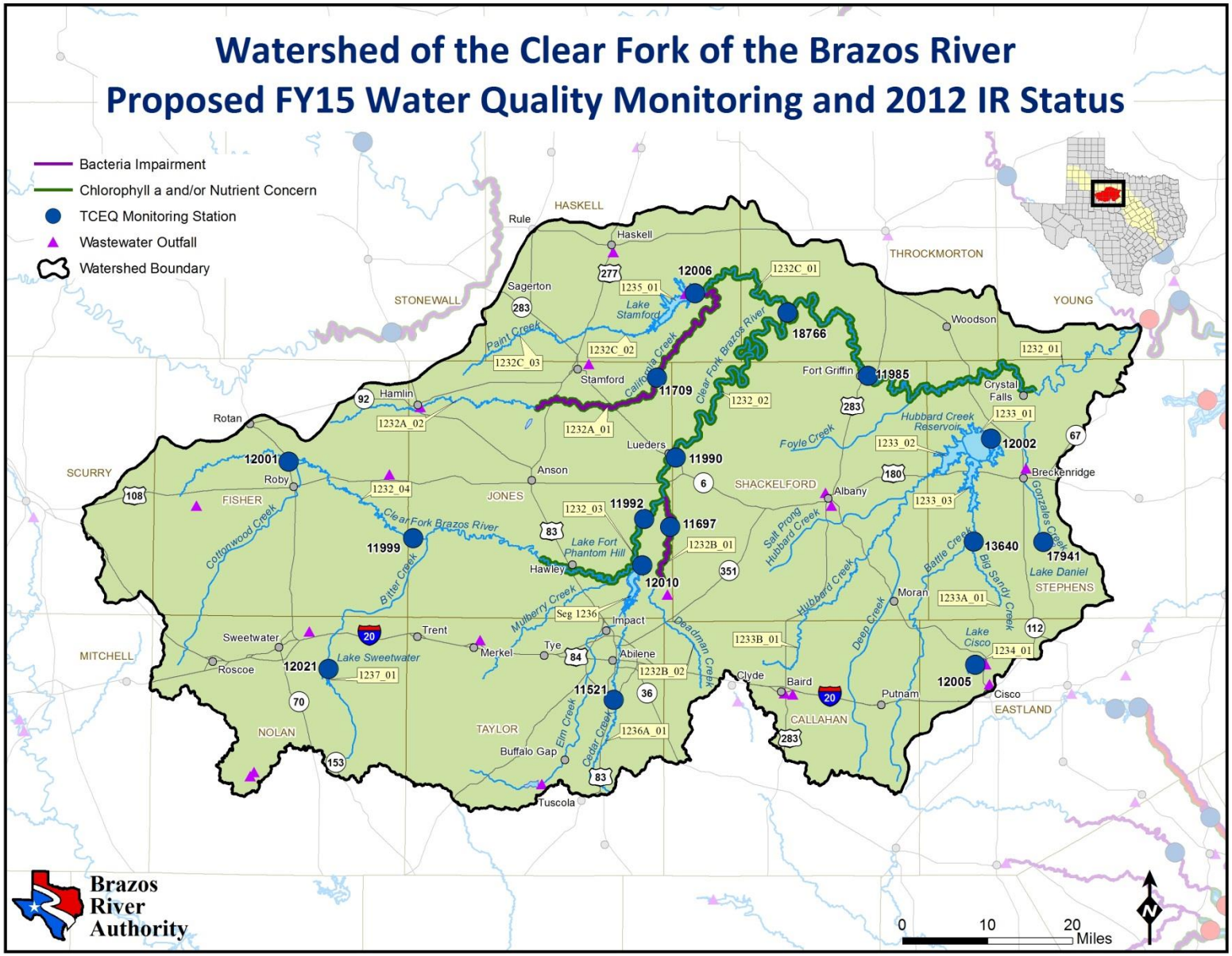
# Watershed of the Clear Fork of the Brazos River
# Proposed FY15 Water Quality Monitoring and 2012 IR Status




- 2 Bacteria – 4 Nutrient/Chl *a*

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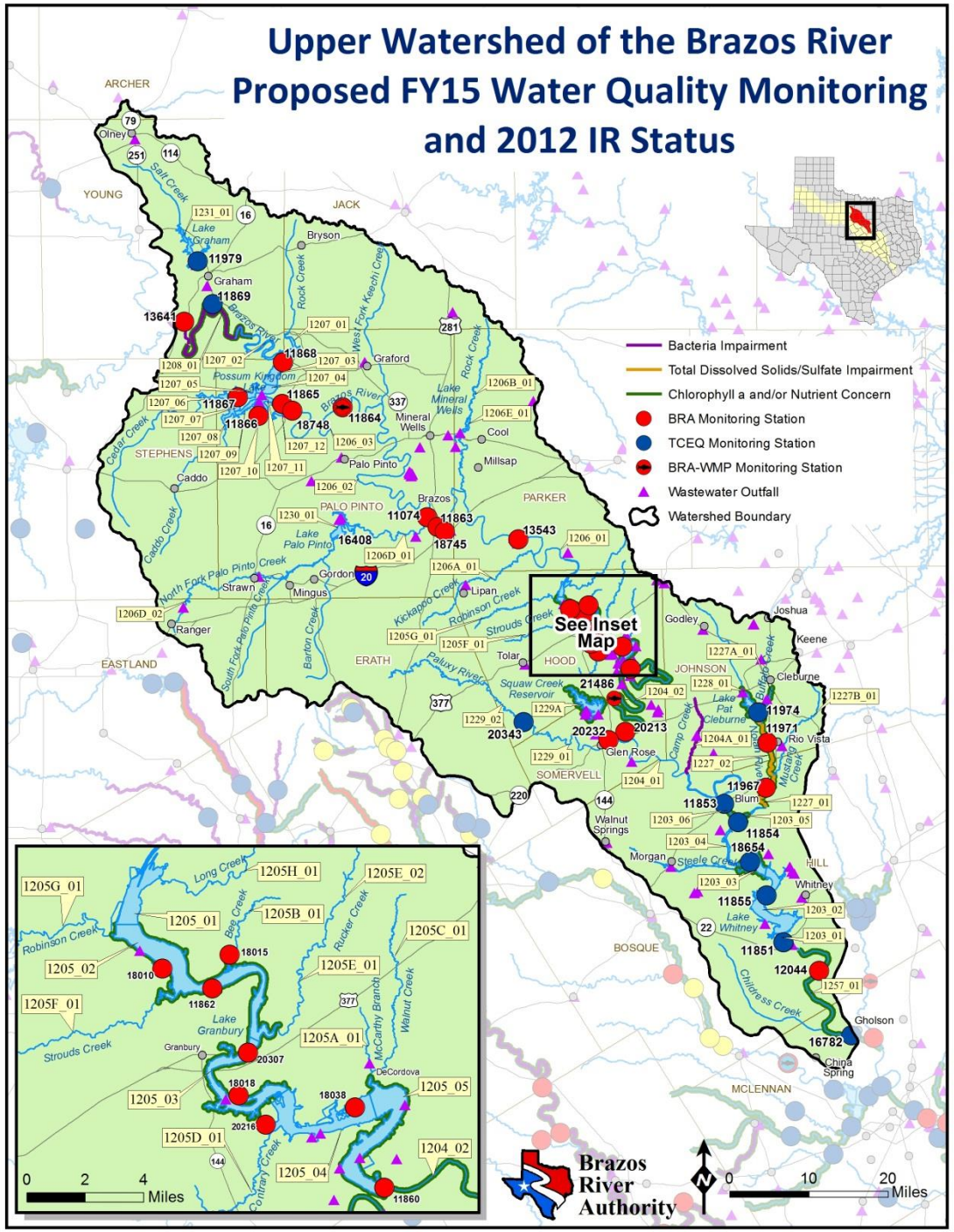
- 2 Bacteria
  1 TDS/Sulfate
  10 Nutrient/Chl *a*

- **Lake Granbury Watershed** Protection Plan

- **Two WMP Environmental Study stations: 11864 Brazos at FM 4 near Palo Pinto** and **21486 Brazos River 11.1 km upstream from US 67 NE of Glen Rose**



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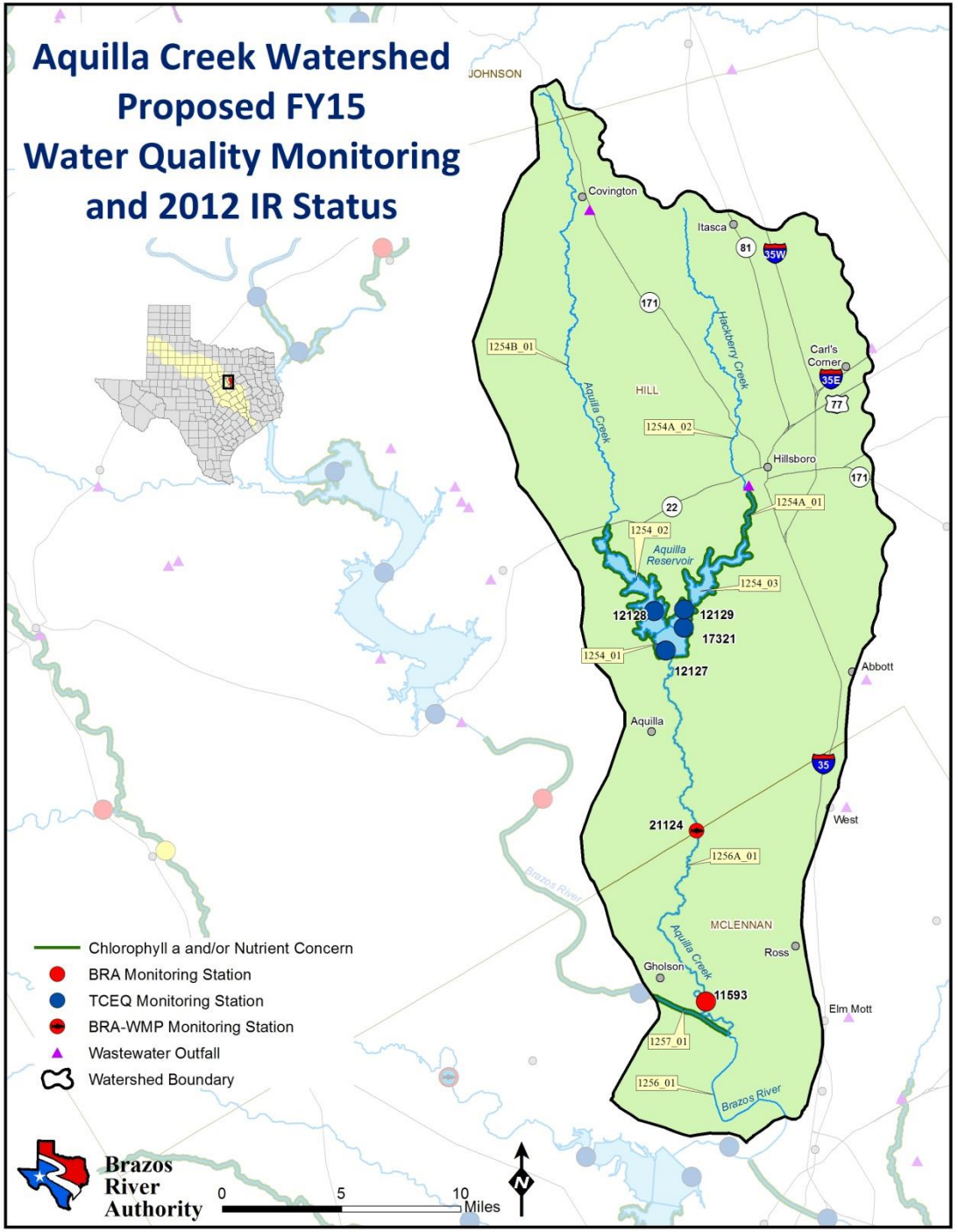
- No impairments in this watershed
- 2 Nutrient/Chl *a*
- One WMP Environmental Study station: **21124 Aquilla Creek at FM 2114 near Aquilla**



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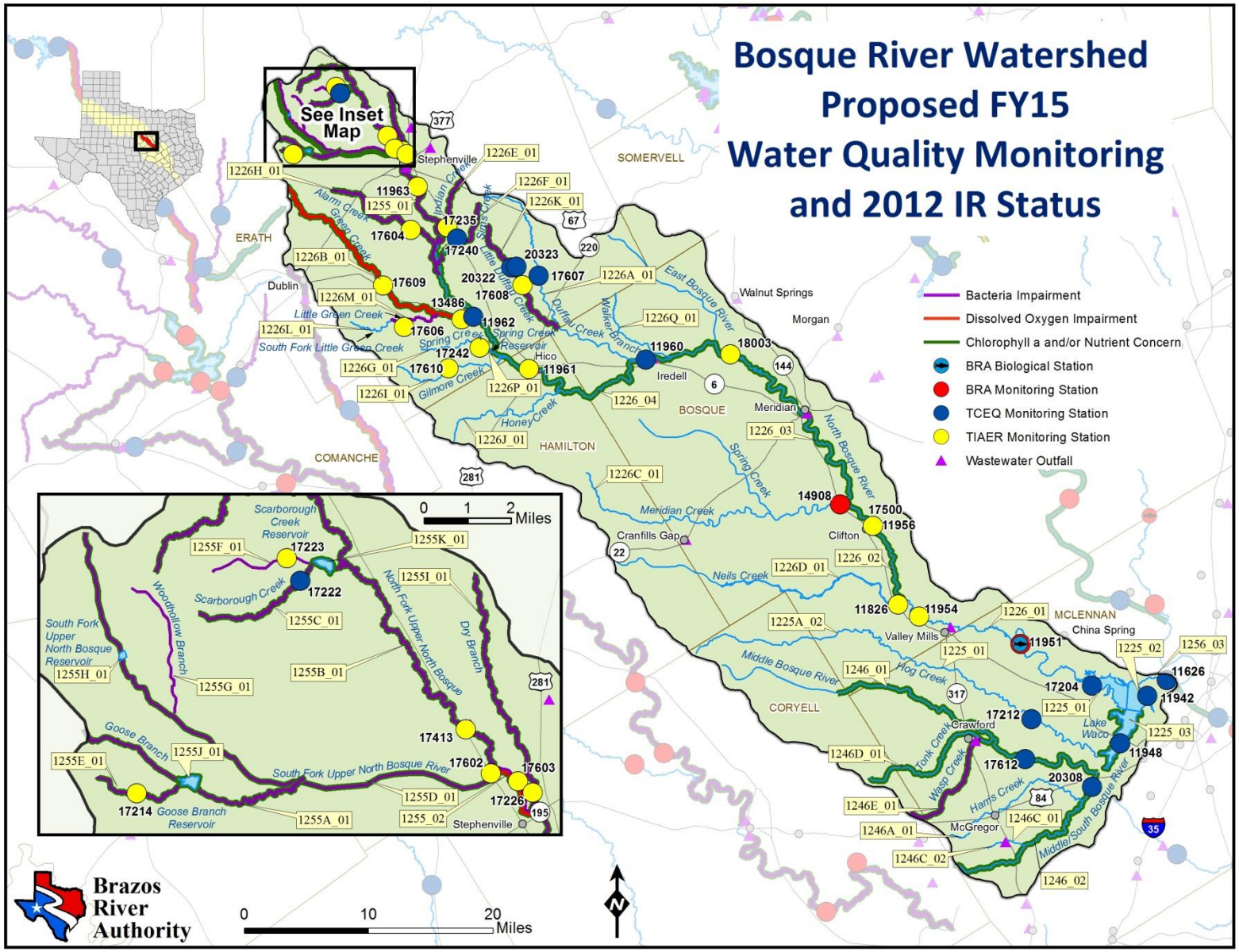


- 14 Bacteria – 2 DO – 21 Nutrient/Chl *a*
- Will perform a biological assessment in FY2015 on 11951 to continue evaluating long-term ecological changes in the lower portion of the river

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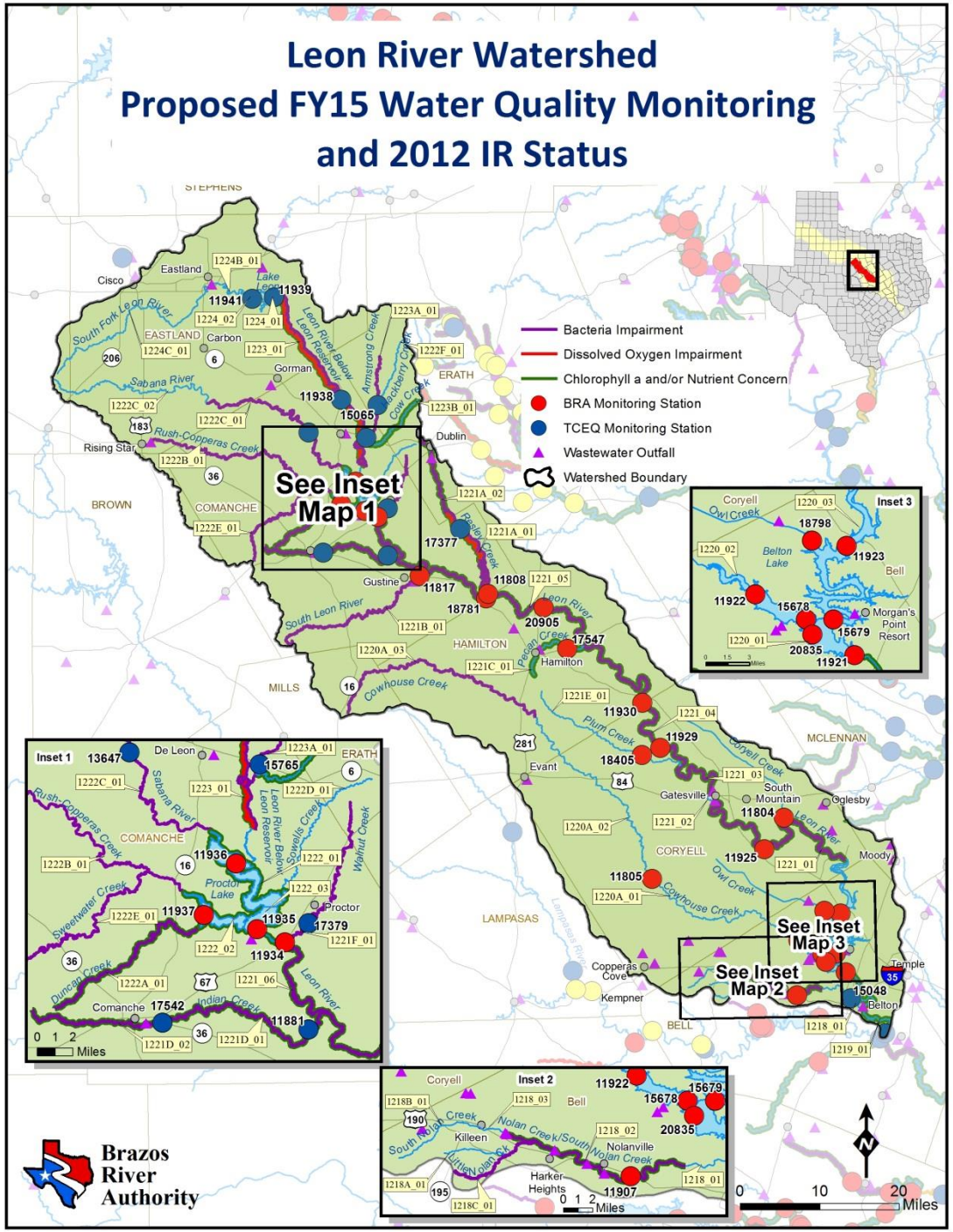
- 14 Bacteria
  - 2 DO
  - 11 Nutrient/Chl *a*
- **1221 - Leon River Watershed Protection Plan**
- **1218 – Nolan Creek/South Nolan Creek Watershed Assessment of Water Quality and Watershed Based Planning for Nolan Creek/South Nolan Creek**



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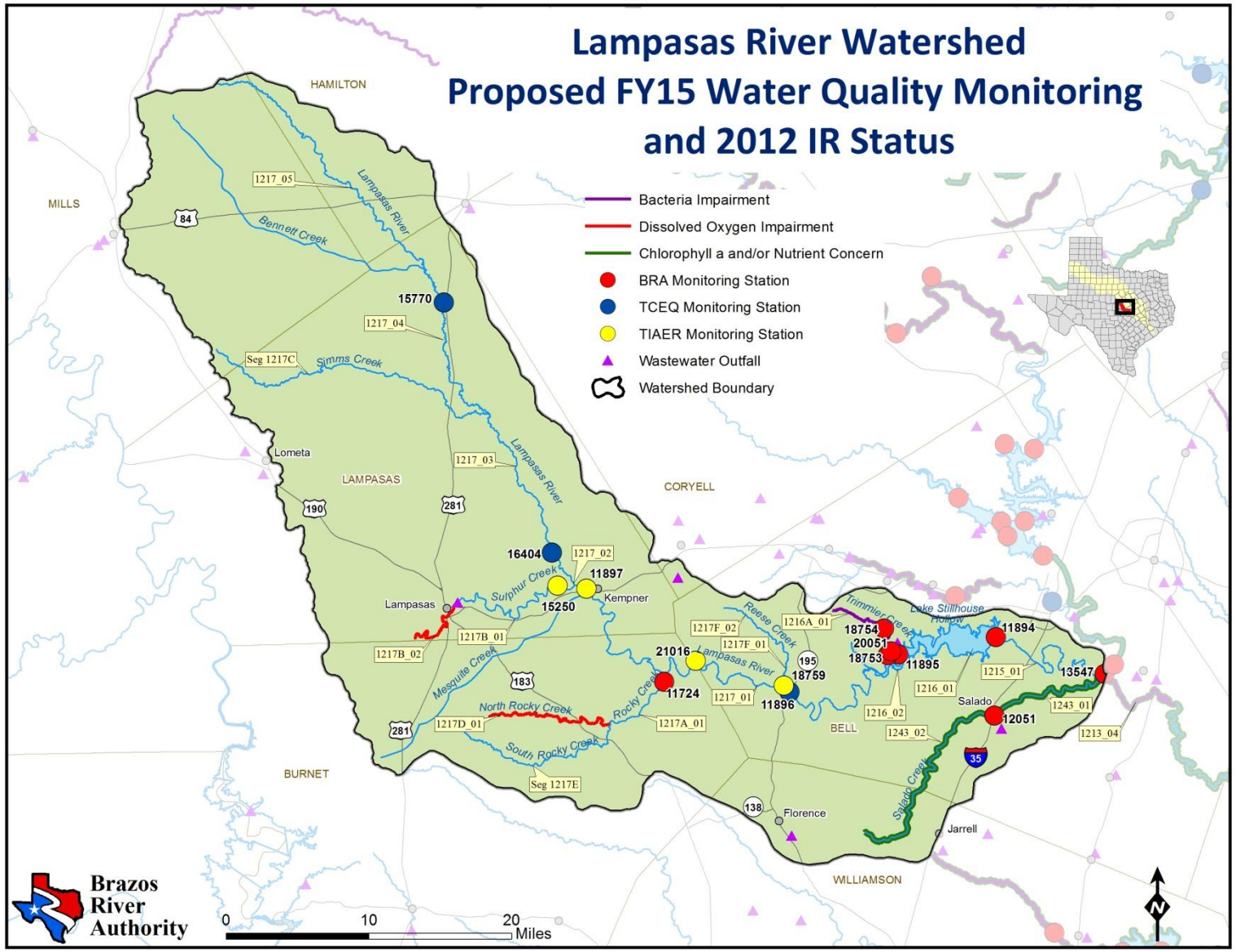


- 1 Bacteria – 2 DO – 1 Nutrient/Chl *a*
- **1217 - Lampasas River Watershed** Protection Plan – TIAER will monitor 4 stations previously monitored by BRA

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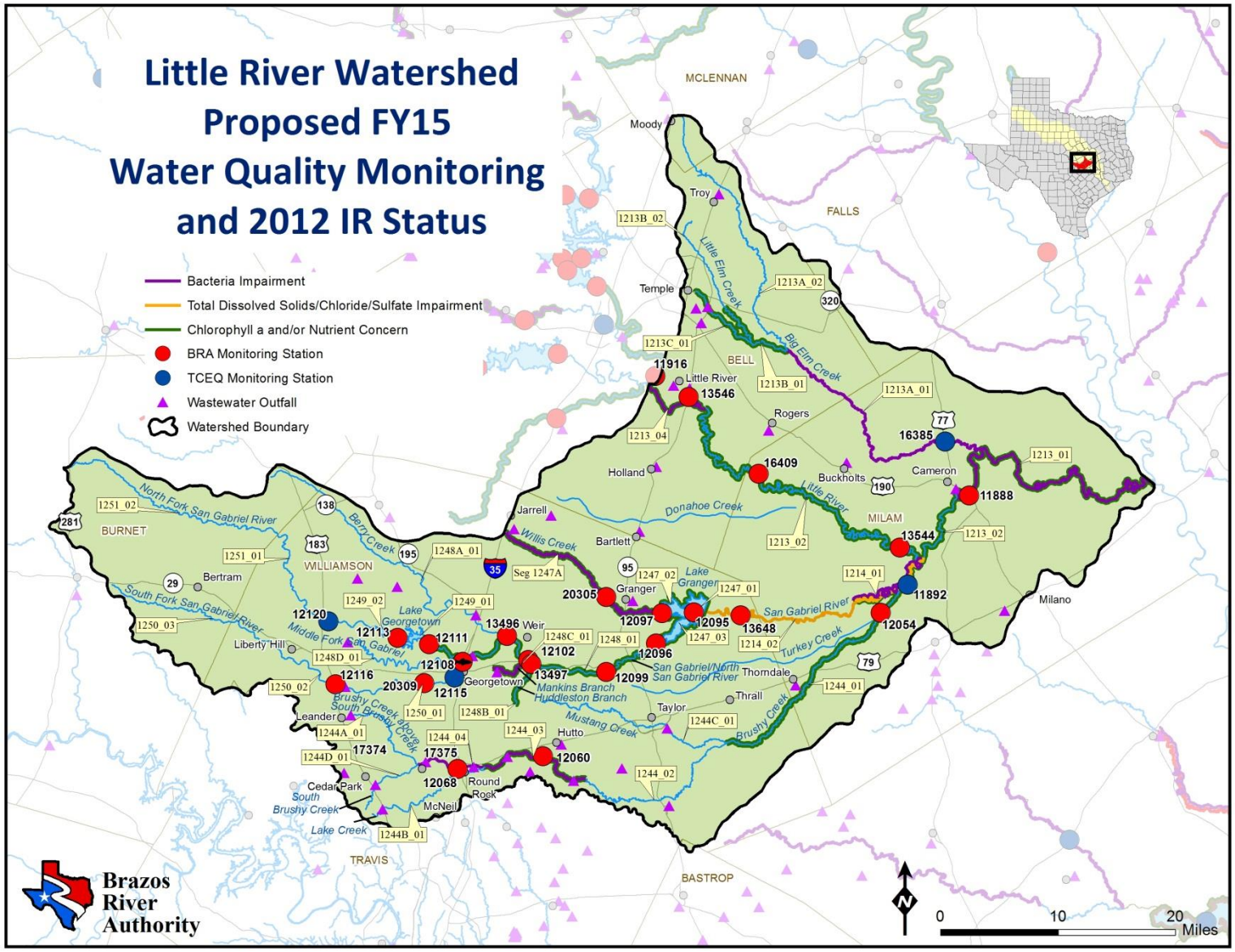


- 6 Bacteria – 1 Chloride/Sulfate – 9 Nutrient/Chl *a*
- Station 13546 - Little R. at SH 95 S of Little River Academy will be reactivated on the to provide water quality data to complement instream flow assessments.
- Station 16409 - Little R. at FM 437 NE of Davila will be deactivated - no longer needed due to reactivation of station 13546.

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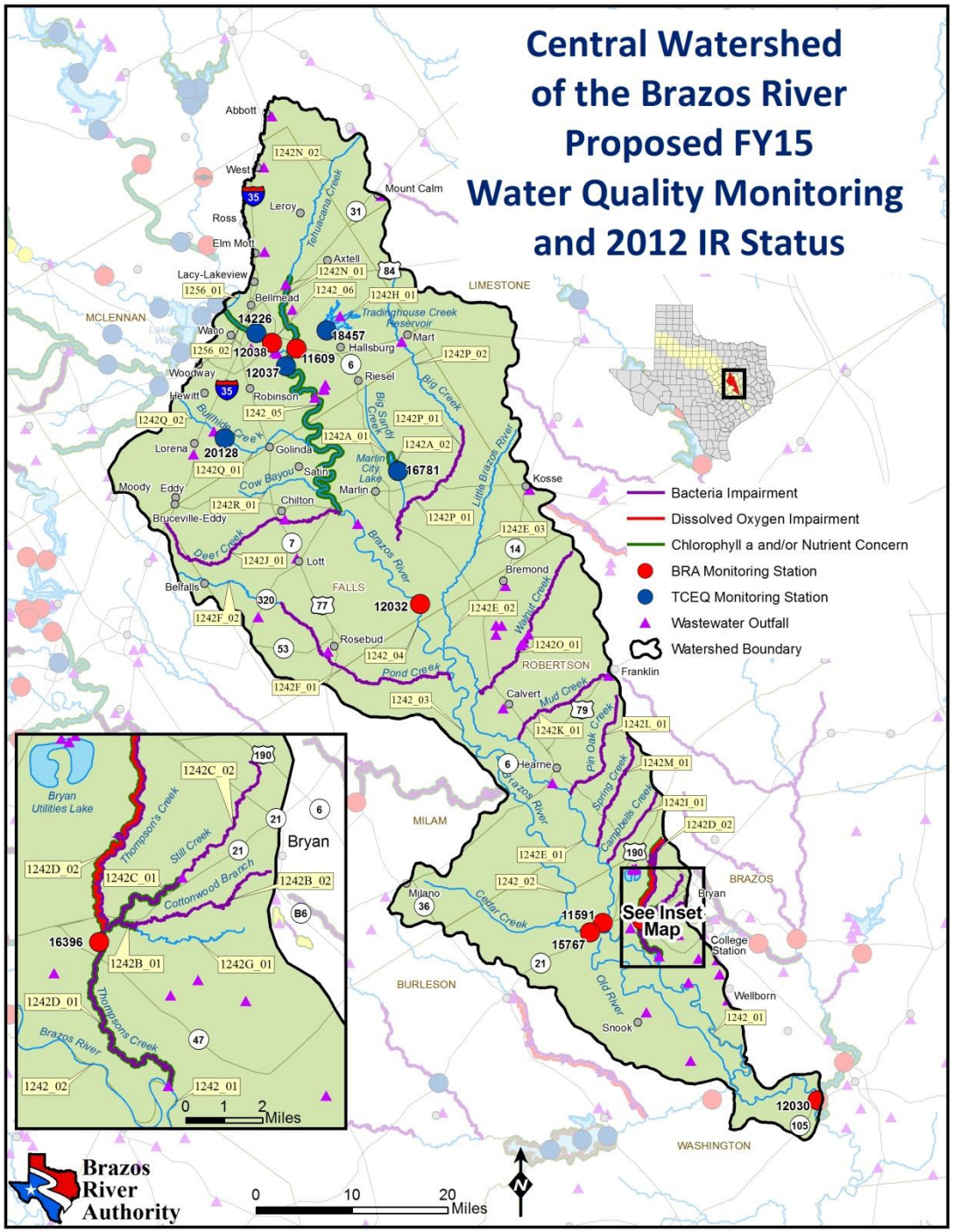
- 11 Bacteria
  1 DO
  7 Nutrient/Chl *a*



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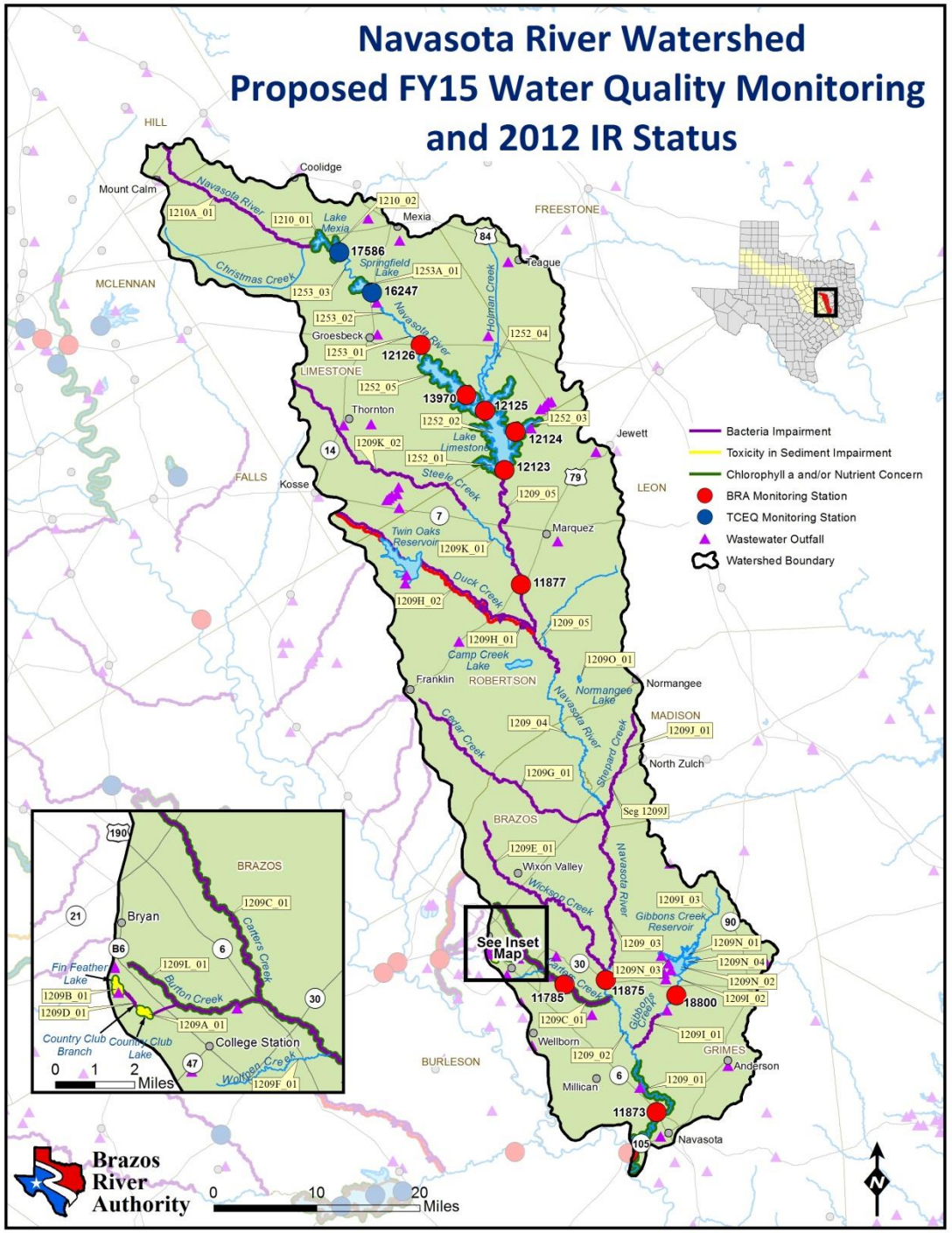
- 11 Bacteria
  1 DO
  9 Nutrient/Chl *a*

- **Carter's Creek** and **Burton Creek** TMDL Implementation

- **Navasota River Watershed Project** - address contact recreation use impairments (September 2014, TWRI)
  - Navasota River below Lake Limestone
  - Navasota River above Lake Mexia
  - Wickson Creek
  - Cedar Creek
  - Duck Creek
  - Gibbons Creek
  - Shepherd Creek
  - Steele Creek



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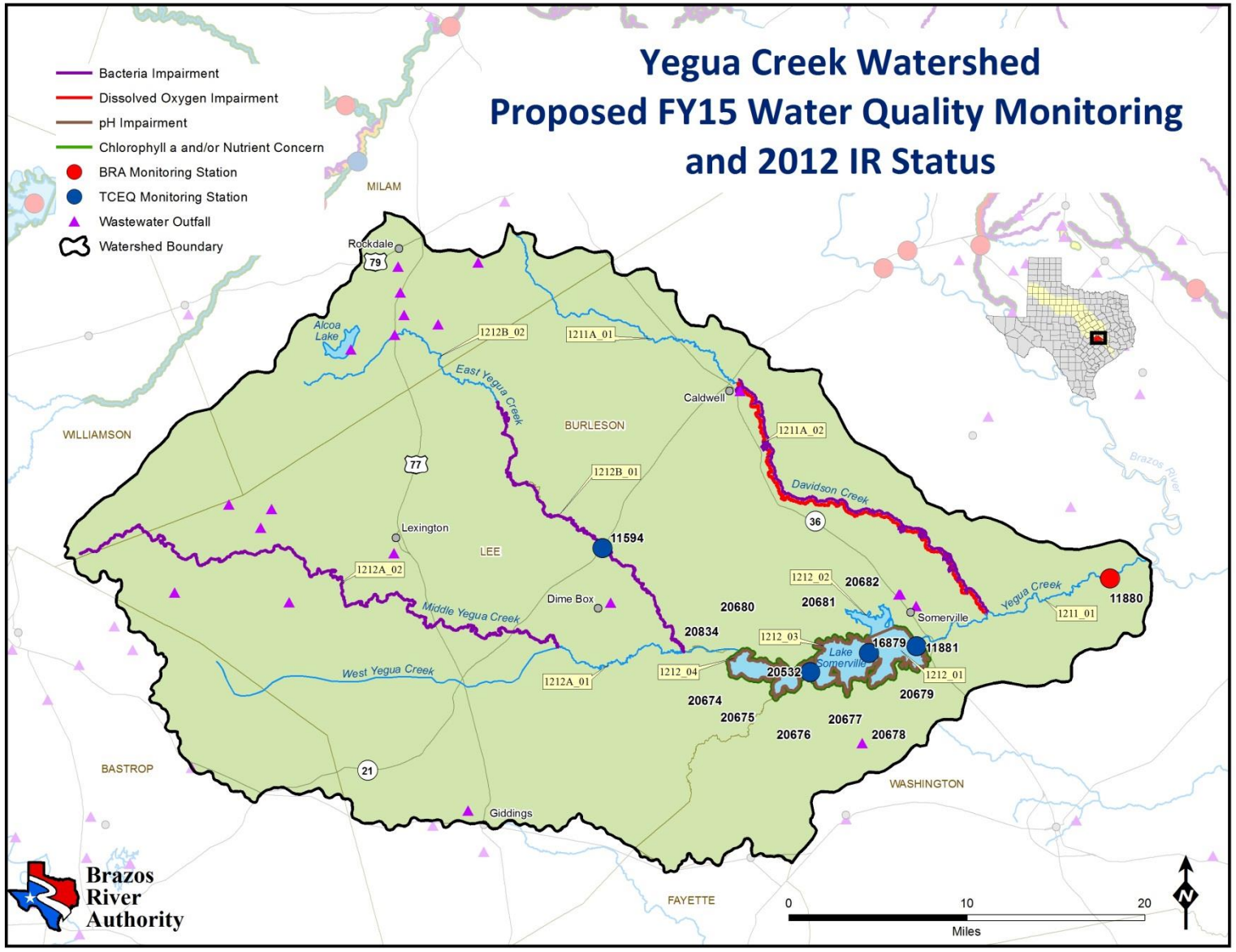


- 3 Bacteria – 1 DO – 1 pH – 1 Nutrient/Chl *a*

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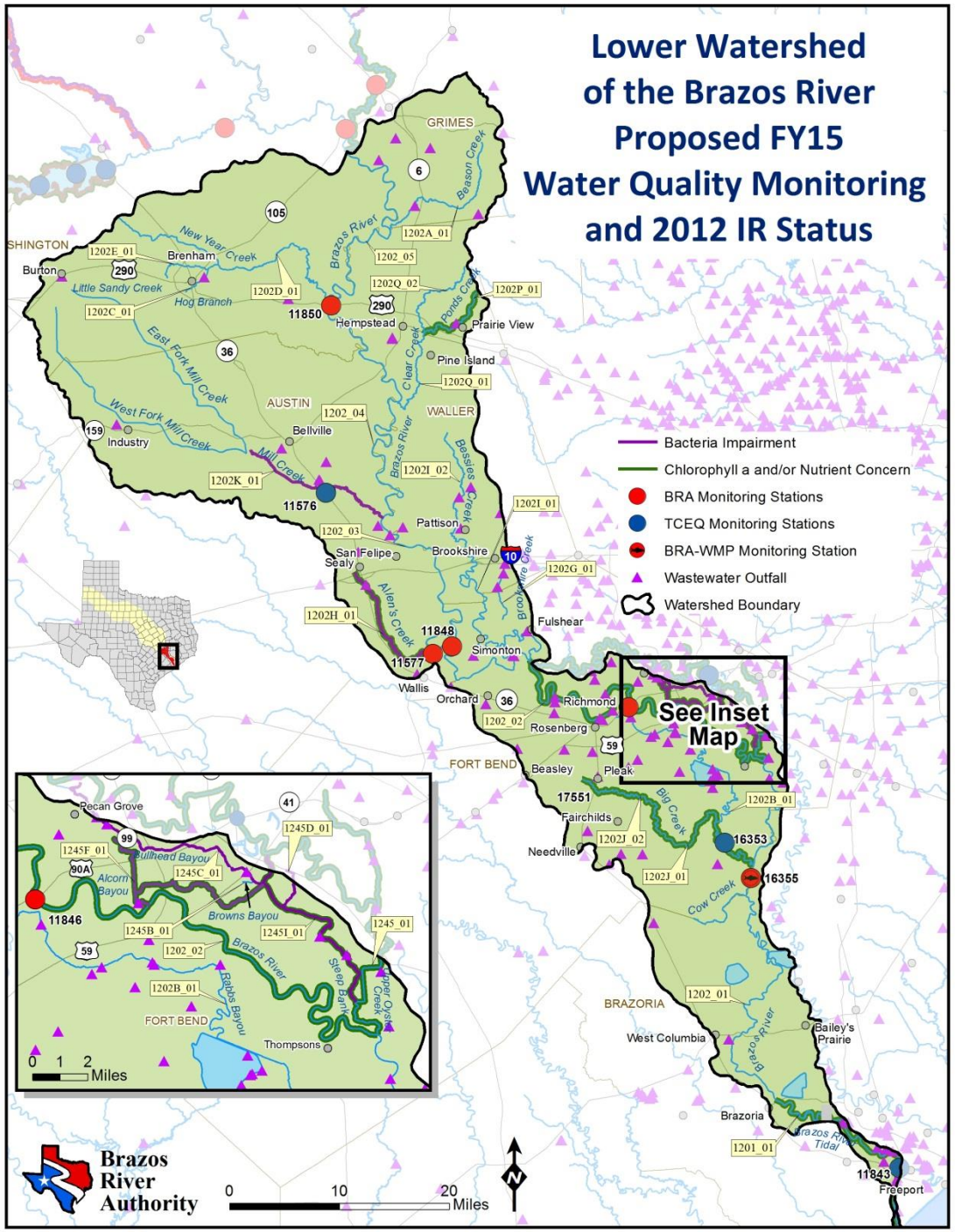
- 6 Bacteria
  7 Nutrient/Chl *a*
- Two WMP Environmental Study stations: **16355 - Brazos River at FM 1462 W of Rosharon** and **11846 - Brazos at US 90A near Richmond,** however assessments will be done at 11846 by consultants



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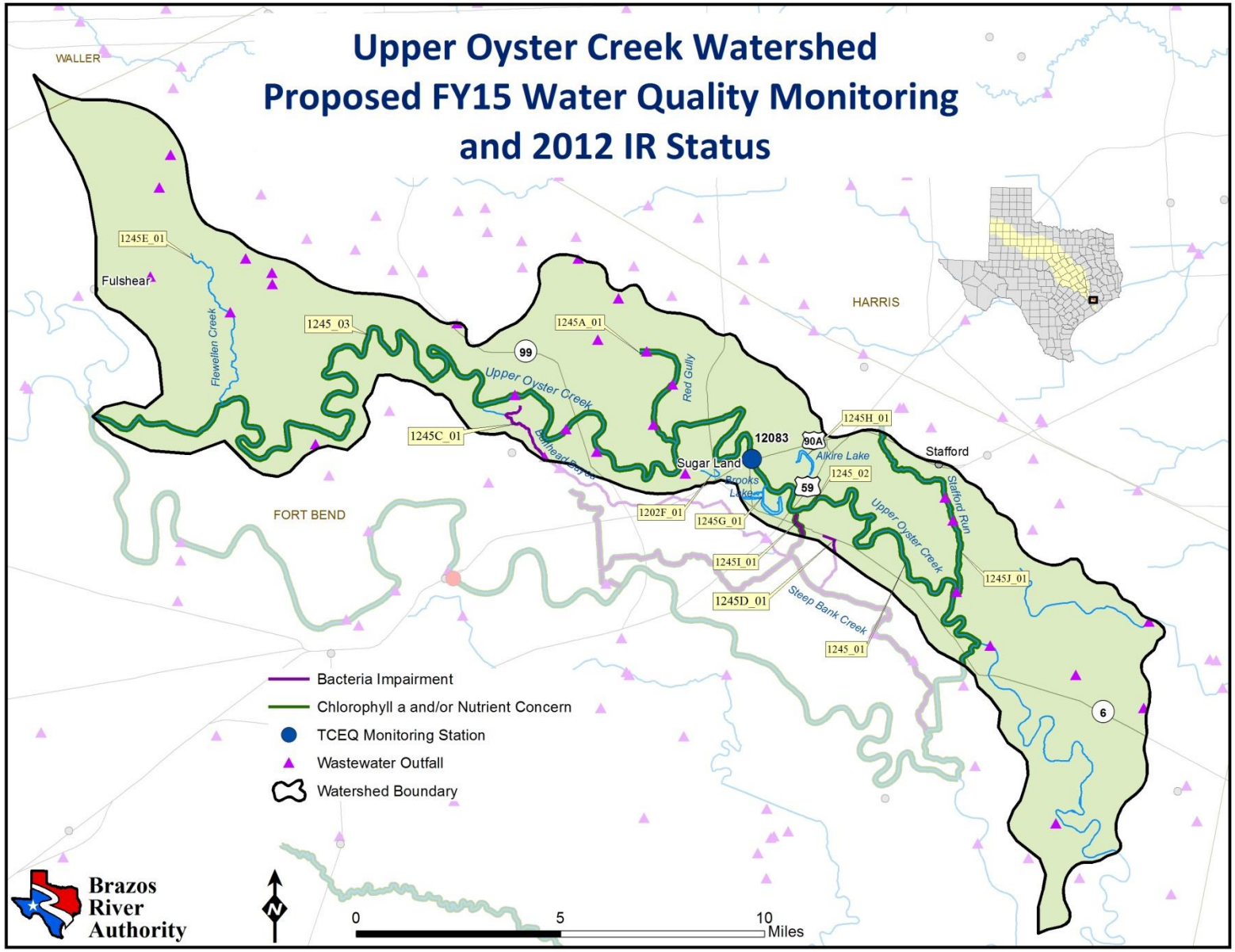


- 2 Nutrient/Chl *a*
- **Upper Oyster Creek TMDL Implementation**

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