Brazos River Authority

Water Bodies Not Meeting State Criteria and FY2014 Proposed Monitoring

Brazos River Authority

Impairments - Basin Overview

Out of a total of 190 segments evaluated…

- 17 classified segments and 68 unclassified waterbodies are listed as impaired on the draft 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 (≈.04%)
- 5 classified segments are listed as impaired for chloride, sulfate and/or TDS (≈.03%)
- 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 FY2014

- Maintain current routine monitoring effort throughout the Basin
- In FY2013, BRA monitored 114 routine stations and BRA proposes to continue to monitor these 114 routine stations for FY2014
- Temporarily discontinue CRP biological monitoring
- Increase biological monitoring effort in support of the BRA's Water Management Plan Environmental Studies

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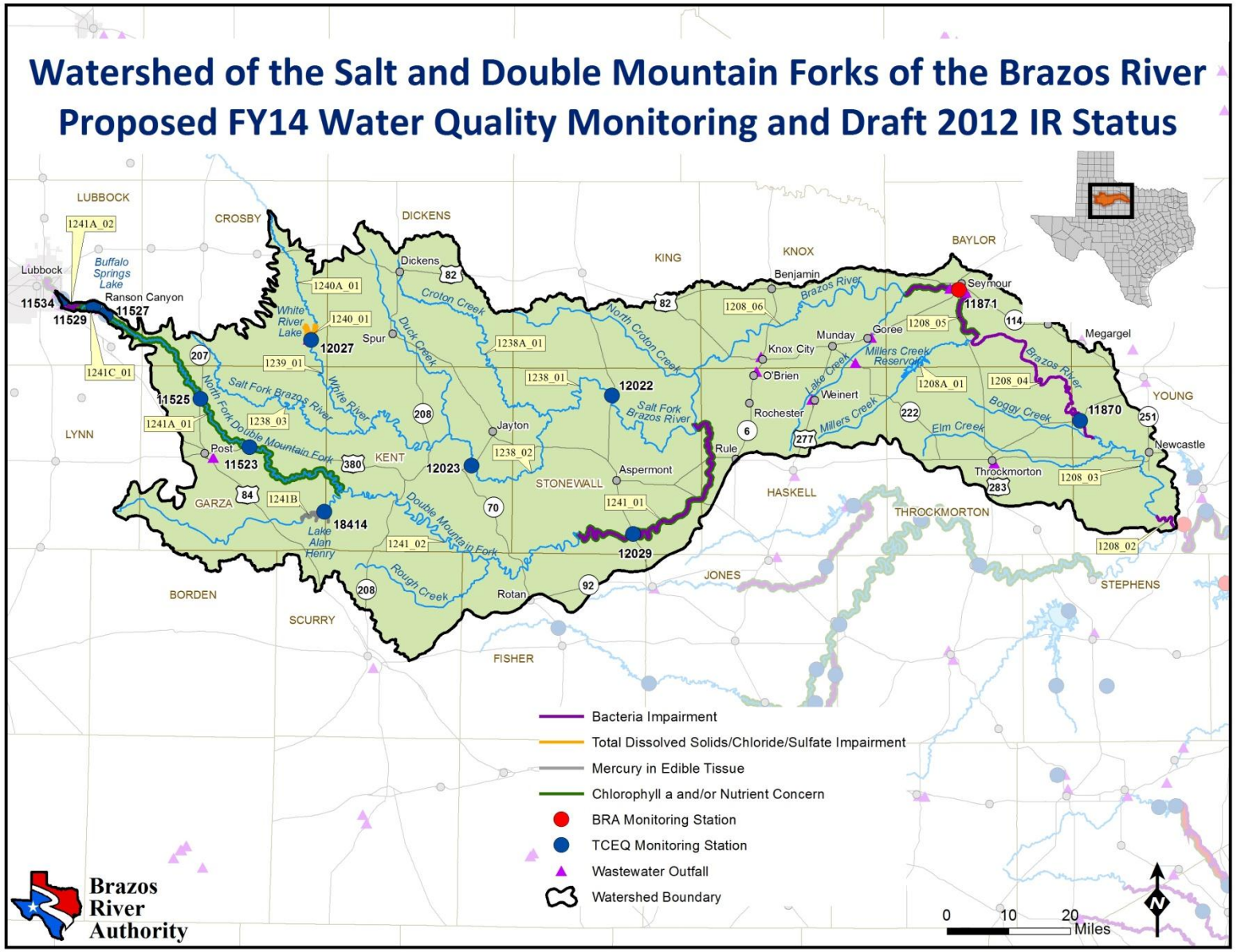

- 3 Bacteria – 1 TDS/Chloride/Sulfate – 1 Mercury – 4 Nutrient/Chl *a*
- An RUAA has been completed - recommend remain PCR for 1208 - **Brazos River above Possum Kingdom Lake**

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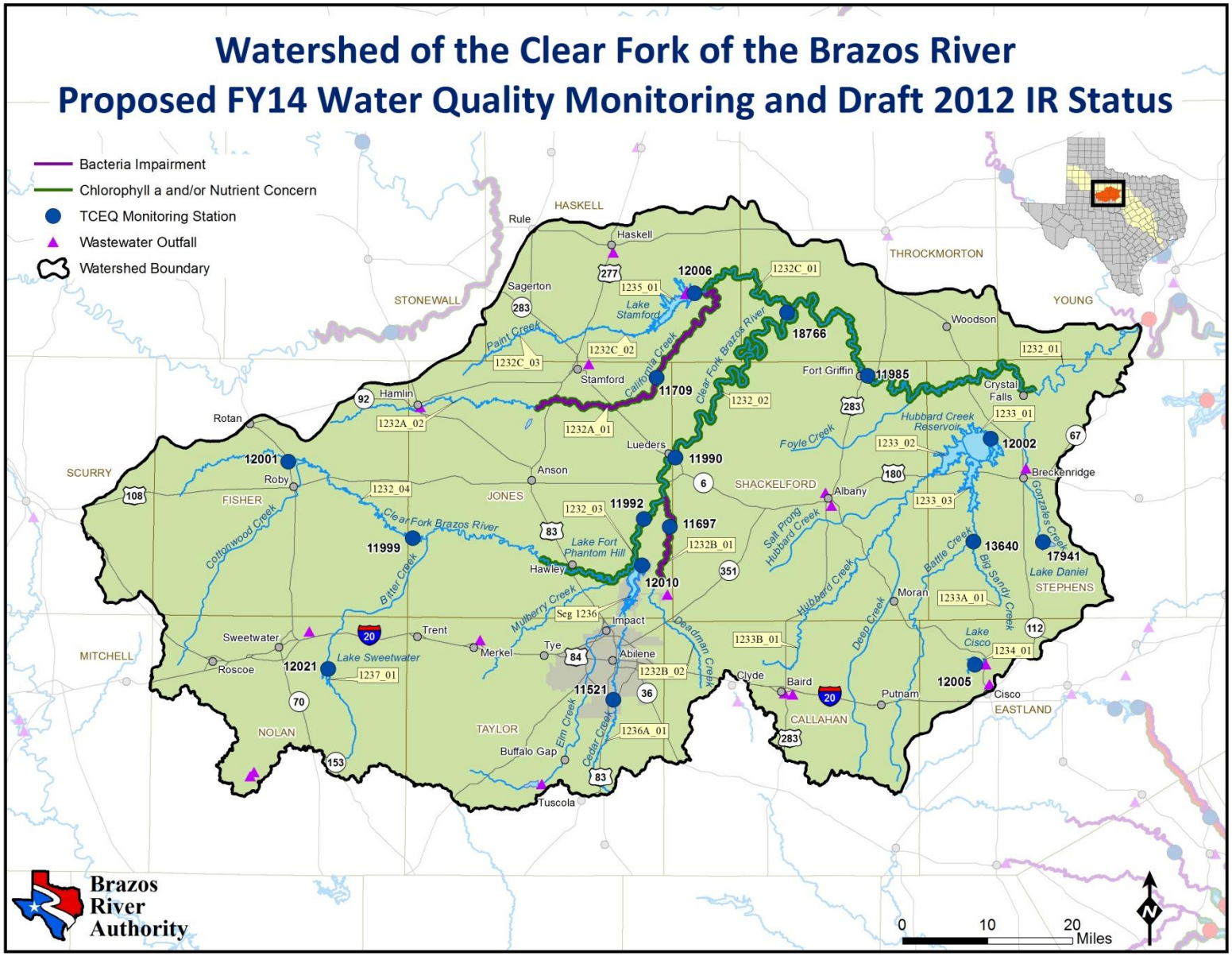
Watershed of the Clear Fork of the Brazos River
Proposed FY14 Water Quality Monitoring and Draft 2012 IR Status



- 2 Bacteria – 4 Nutrient/Chl *a*

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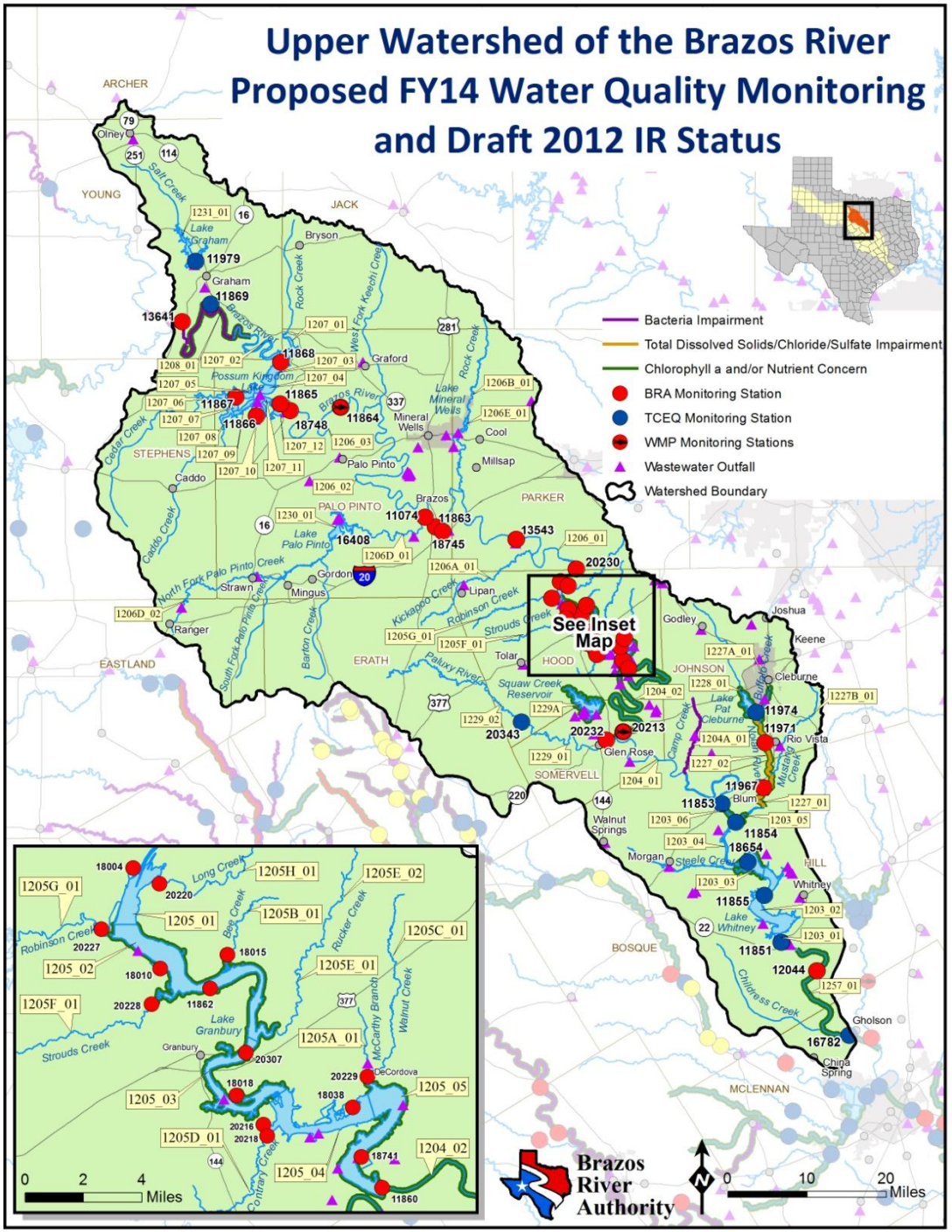
- 2 Bacteria
  1 TDS/Sulfate
  10 Nutrient/Chl *a*

- An RUAA has been completed - recommend remain PCR for **1208 - Brazos River above Possum Kingdom Lake**

- **Lake Granbury Watershed** Protection Plan

- Two WMP Environmental Study stations: **11864 Brazos at FM 4 near Palo Pinto** and **20213 Brazos at FM 200 near Glen Rose**



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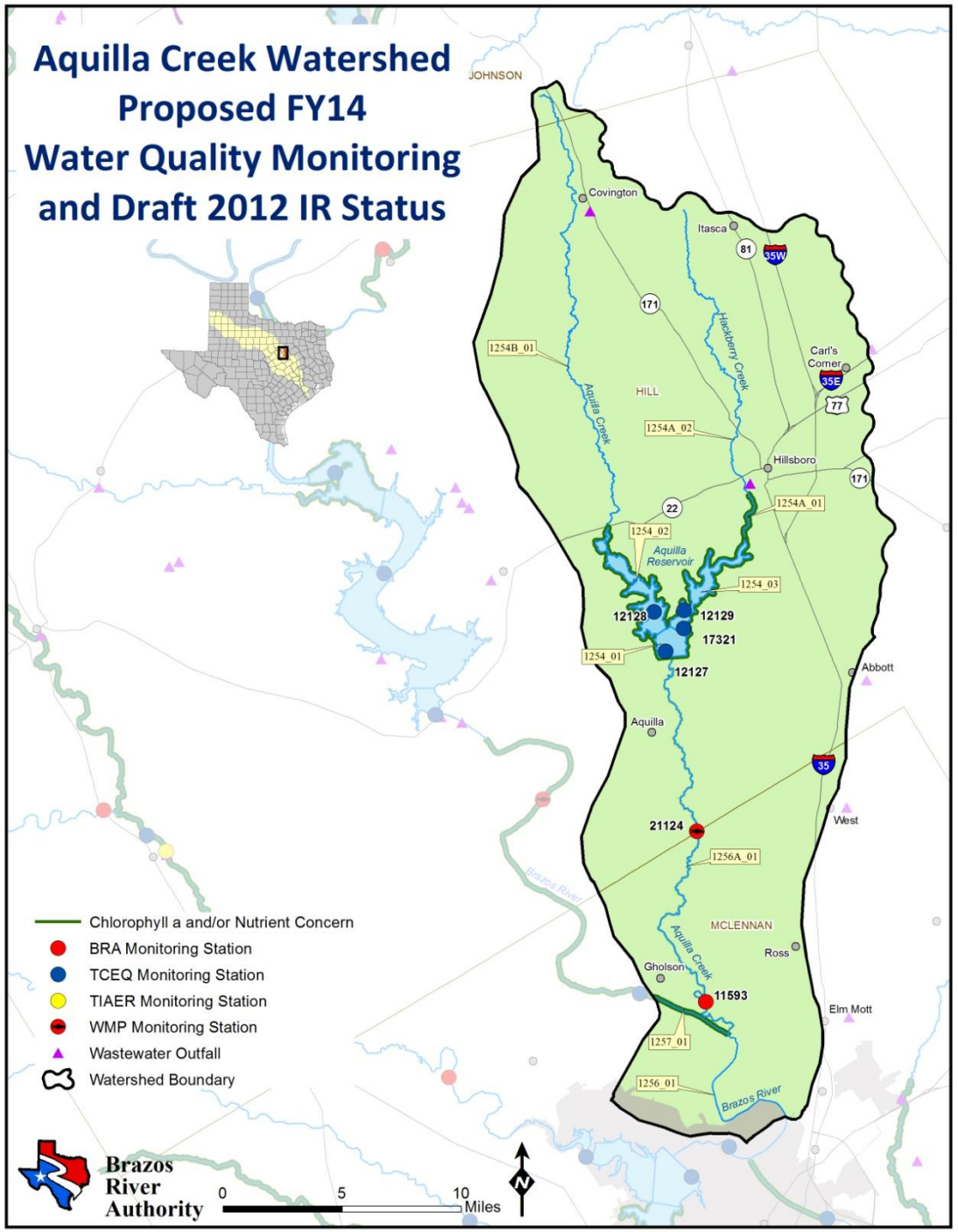
- No impairments in this watershed
- 2 Nutrient/Chl *a*
- One WMP Environmental Study station: **21124 Aquilla Creek at FM 2114 near Aquilla**



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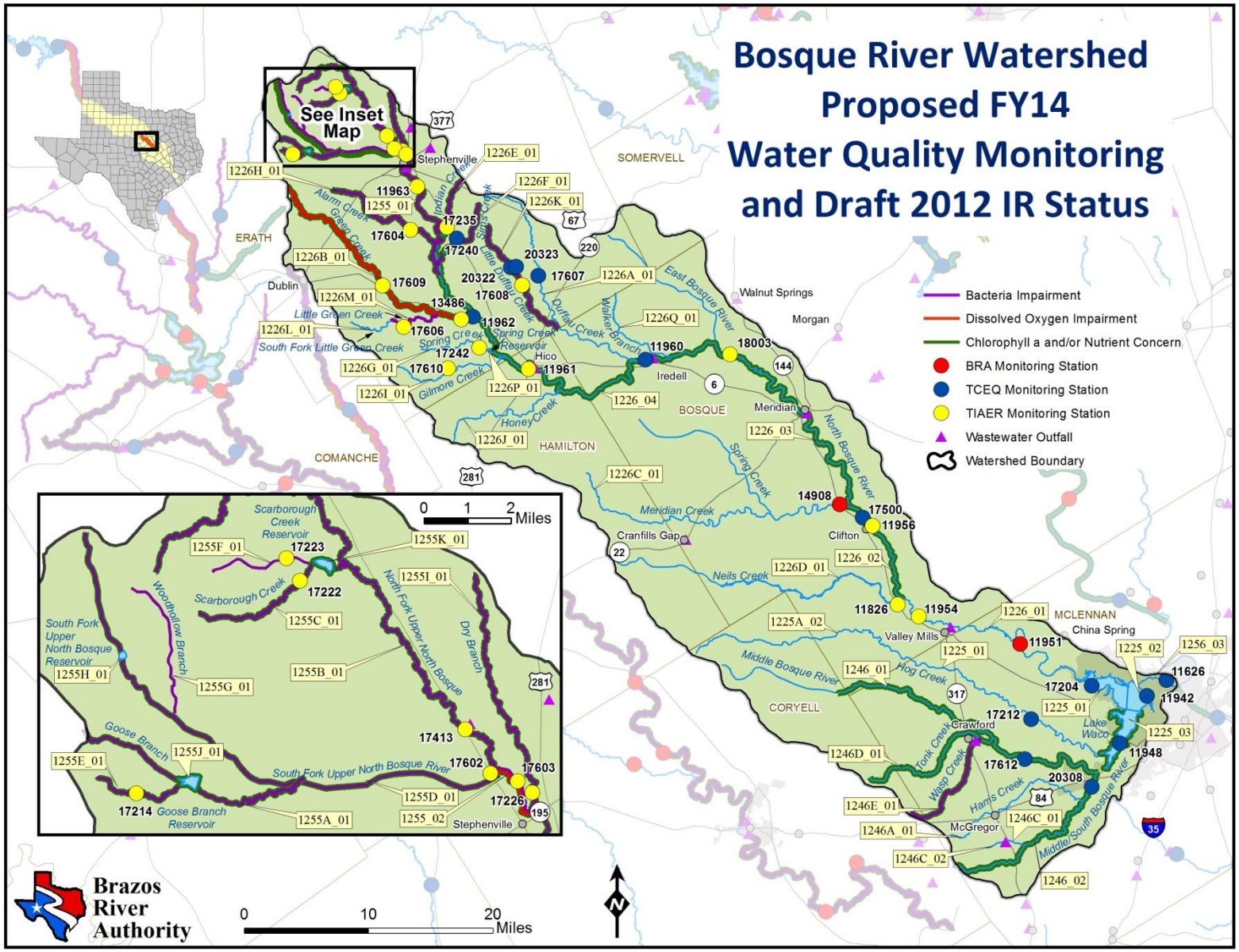

- 14 Bacteria – 2 DO – 21 Nutrient/Chl *a*
- RUAA field work is complete and is in review by the Standards Team for 10 streams

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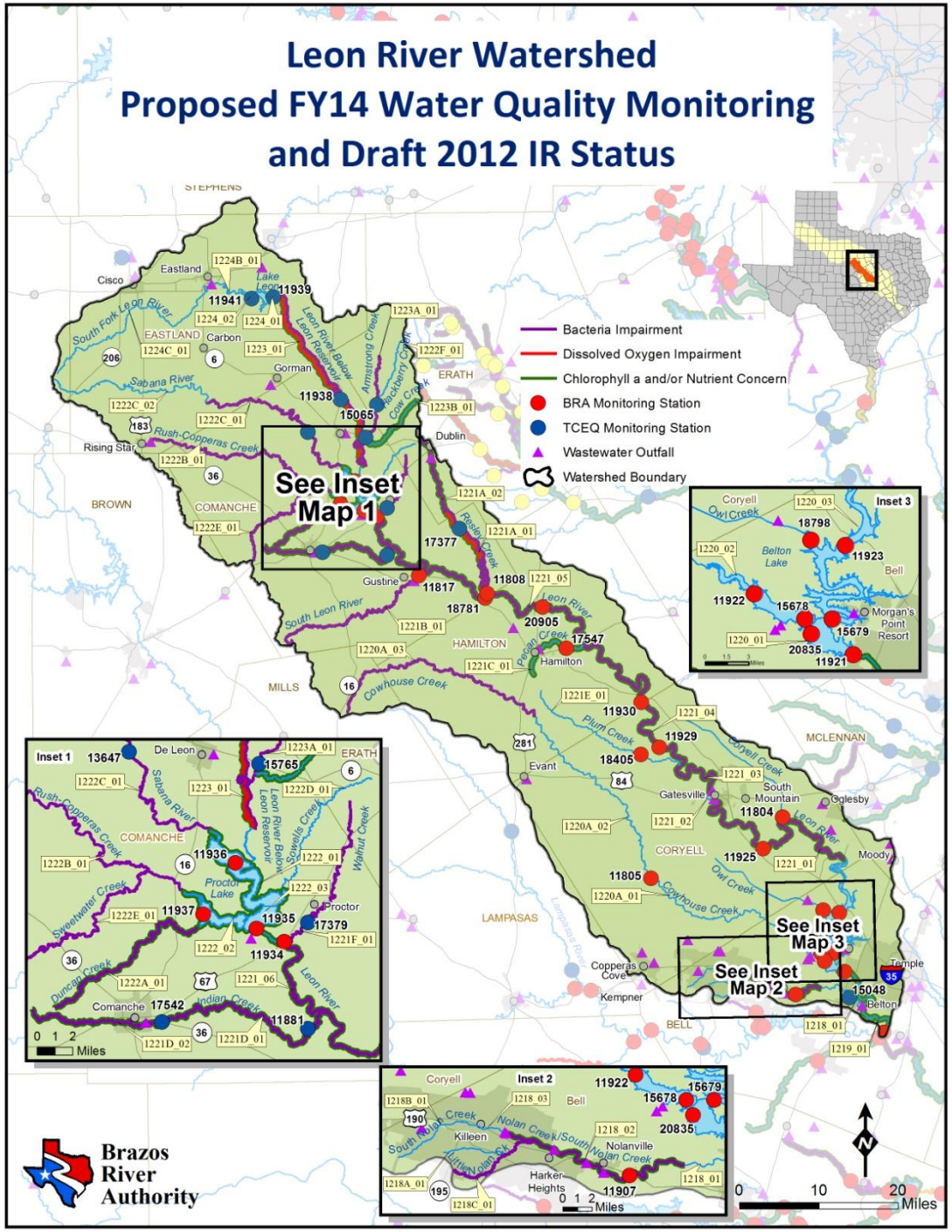
- 14 Bacteria – 2 DO – 11 Nutrient/Chl *a*
- RUAAs have been completed for 12 streams
  - 5 have been recommended for classification changes
  - 2 have been recommended to remain as PCR
  - 5 are in review by the Standards Team
- **1221 - Leon River Watershed** Protection Plan
- **1218 – Nolan Creek/South Nolan Creek Watershed** Protection Plan



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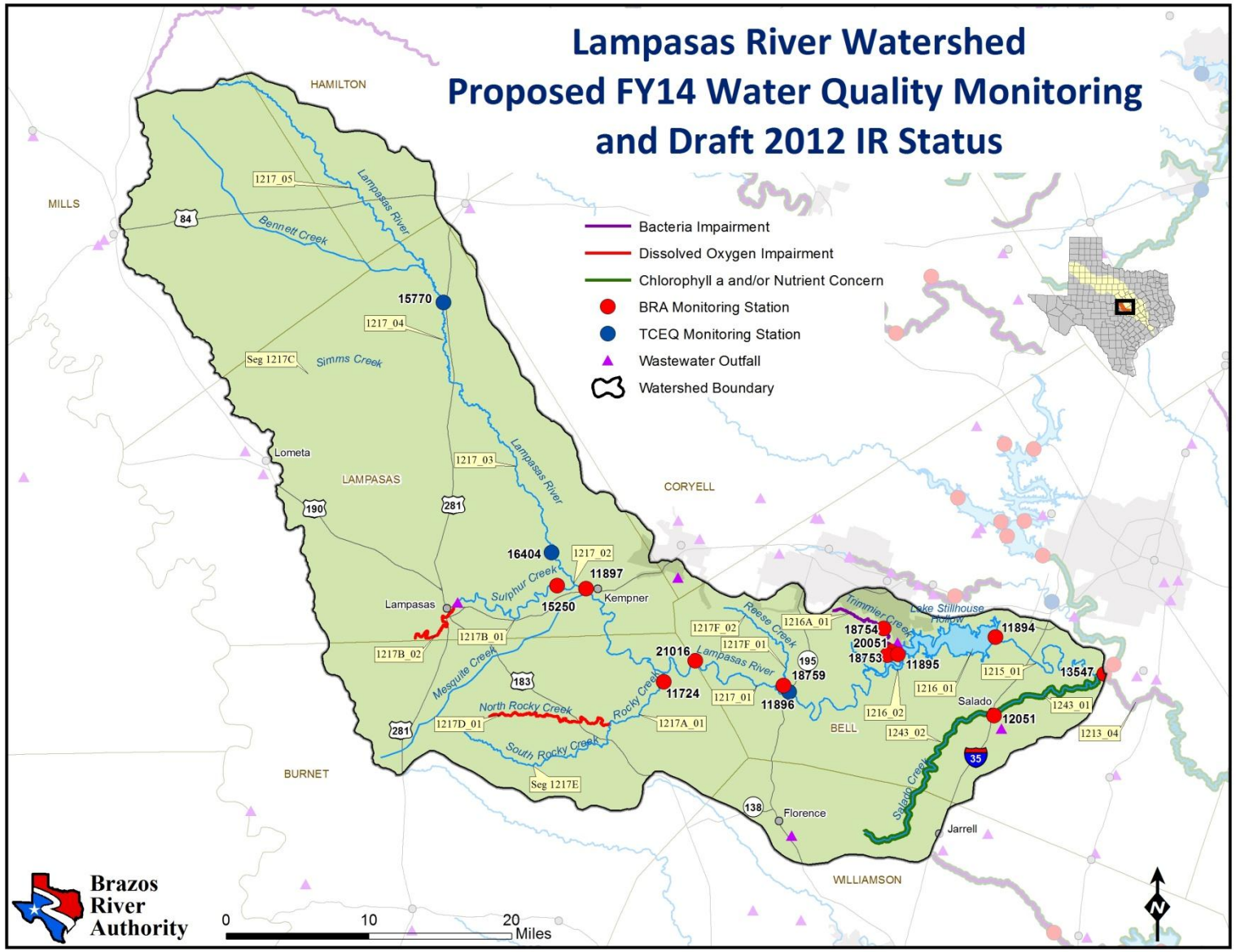

- 1 Bacteria – 2 DO – 1 Nutrient/Chl *a*
- **1217 - Lampasas River Watershed** Protection Plan

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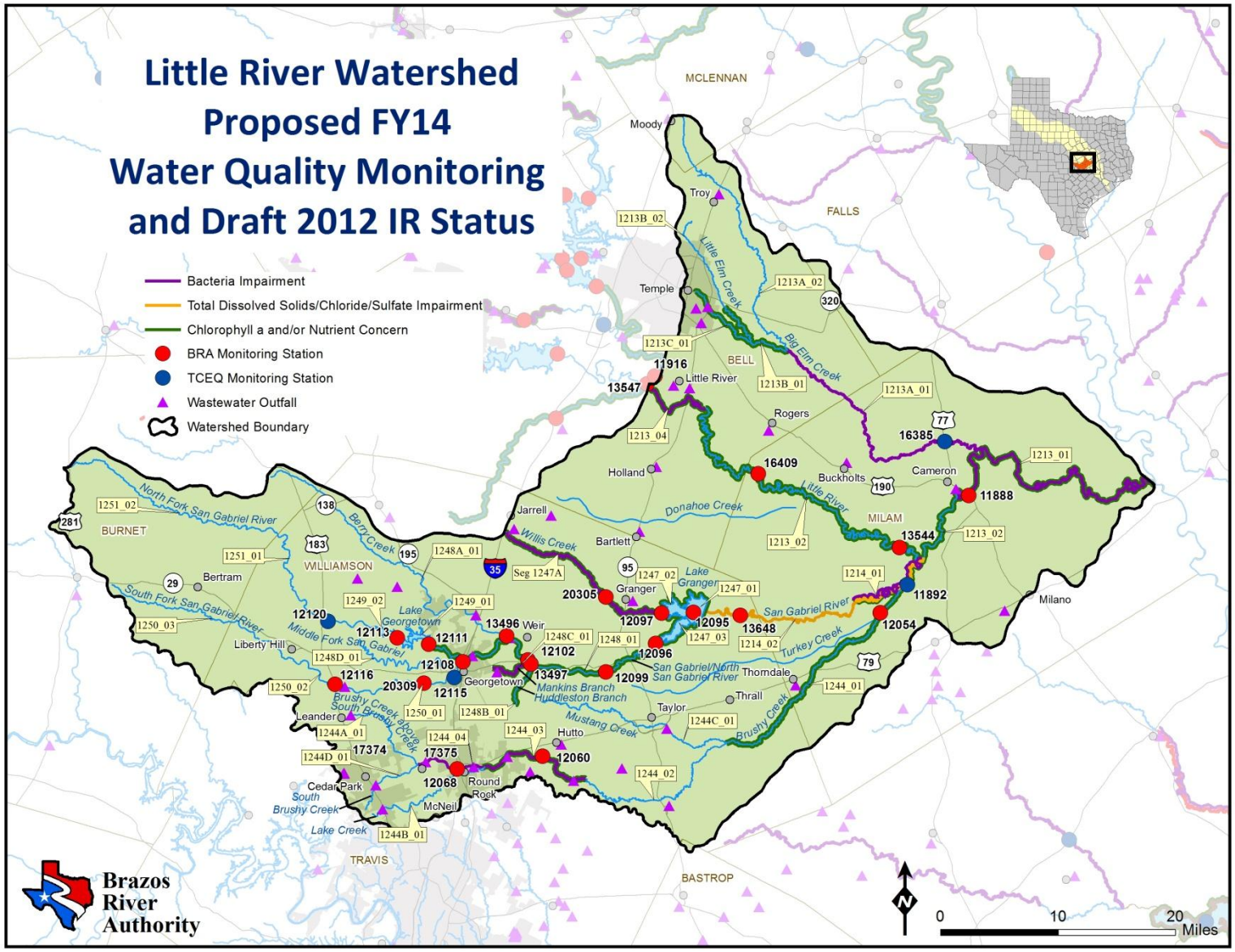

- 6 Bacteria – 1 Chloride/Sulfate – 9 Nutrient/Chl *a*
- RUAA field work is complete and is in review by the Standards Team for 2 streams
- An RUAA has been completed - recommend remain PCR for **1244 - Brushy Creek**

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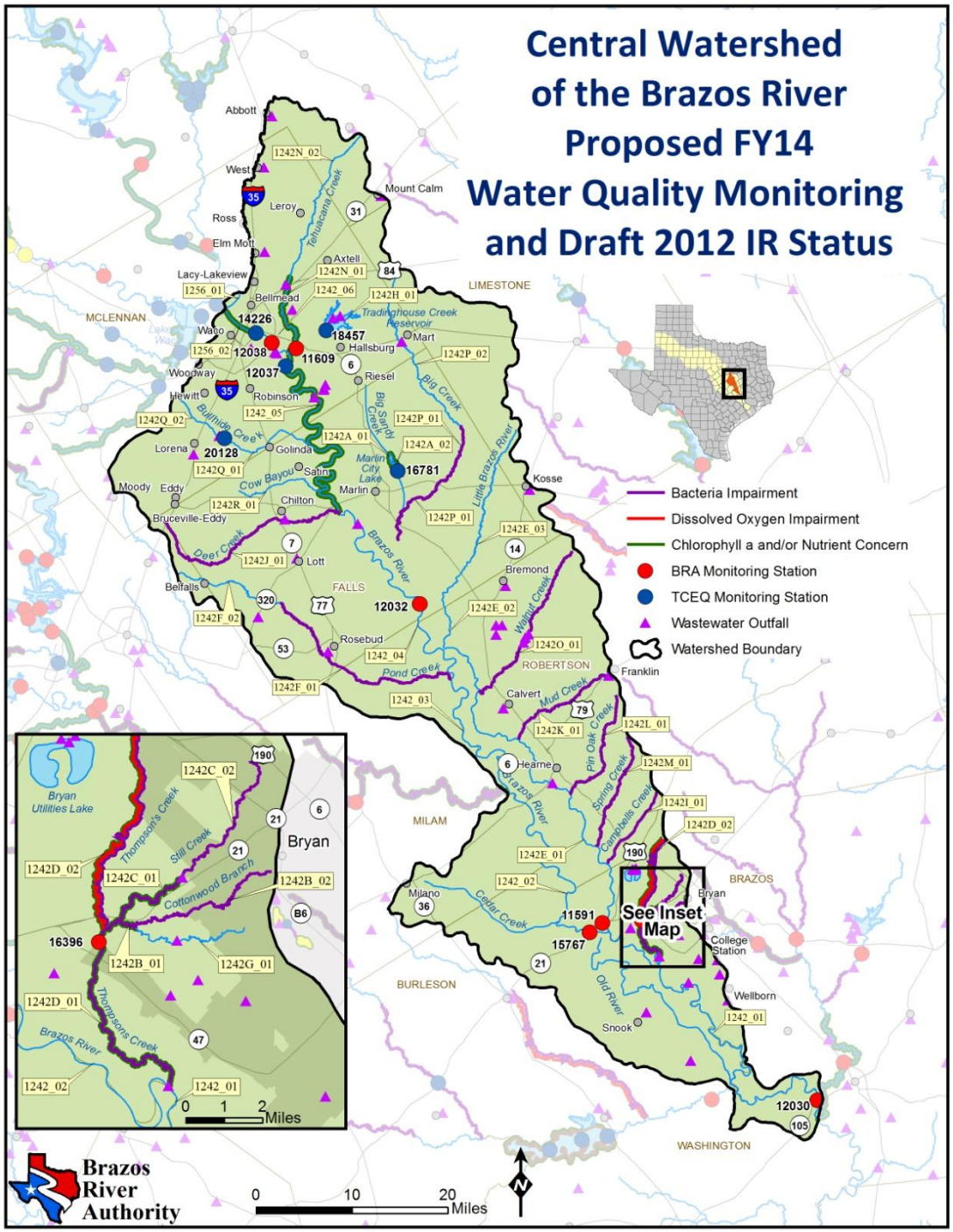
- 11 Bacteria – 1 DO – 7 Nutrient/Chl *a*
- RUAA field work been completed and is in review by the Standards Team for 9 streams
- RUAA's are recommended for 2 more streams
- **1242D - Thompson's Creek** (UAA) will be completed in FY2013



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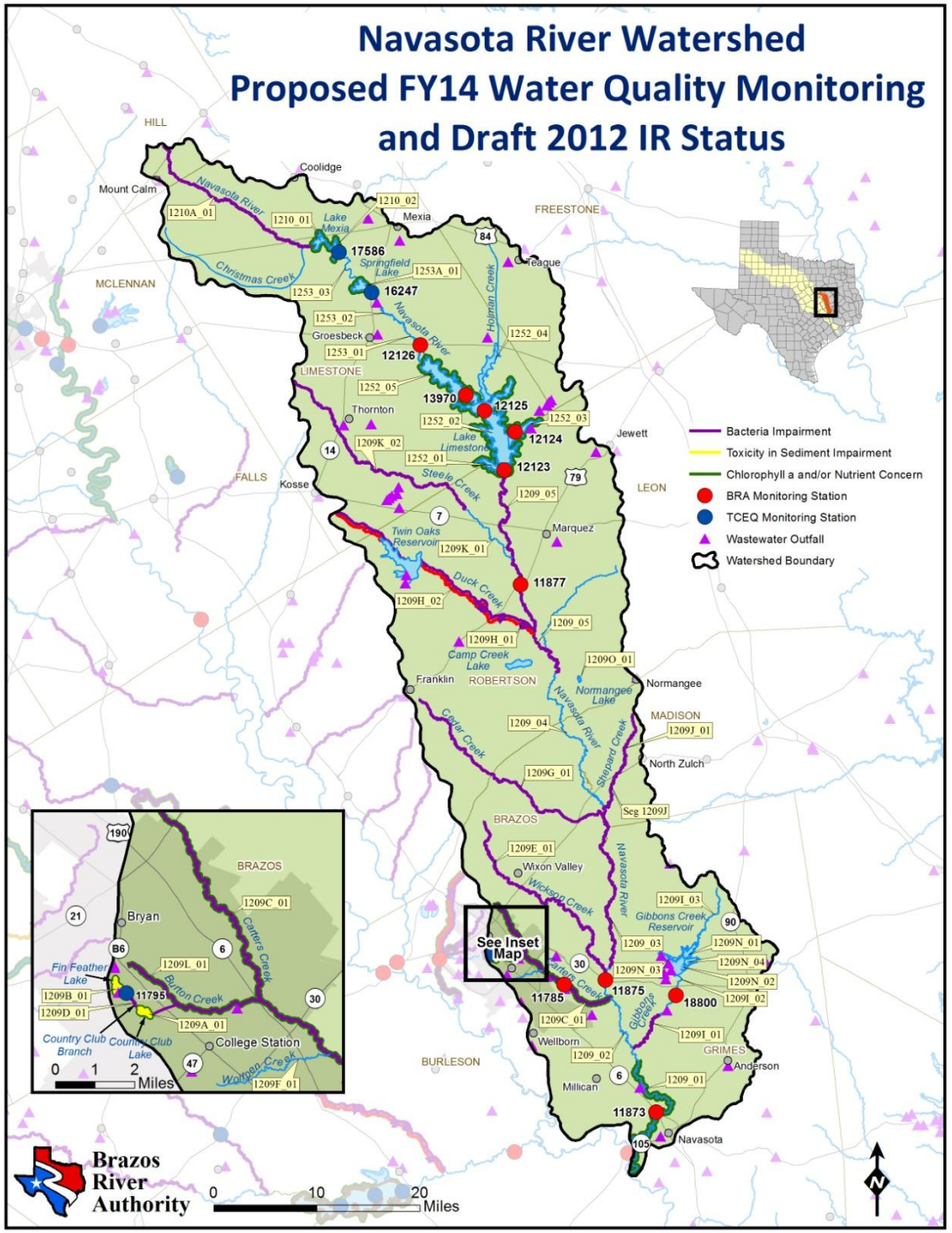
- 11 Bacteria – 1 DO – 9 Nutrient/Chl *a*
- 2 RUAAs have been completed - recommend remain PCR for **1209 - Navasota River Below Lake Limestone** and recommend reclassification to SCR1 for **1210A Navasota River above Lake Mexia**
- RUAA data has been collected for 7 streams and is in review by the Standards Team
- **Carter's Creek** and **Burton Creek** TMDL Implementation



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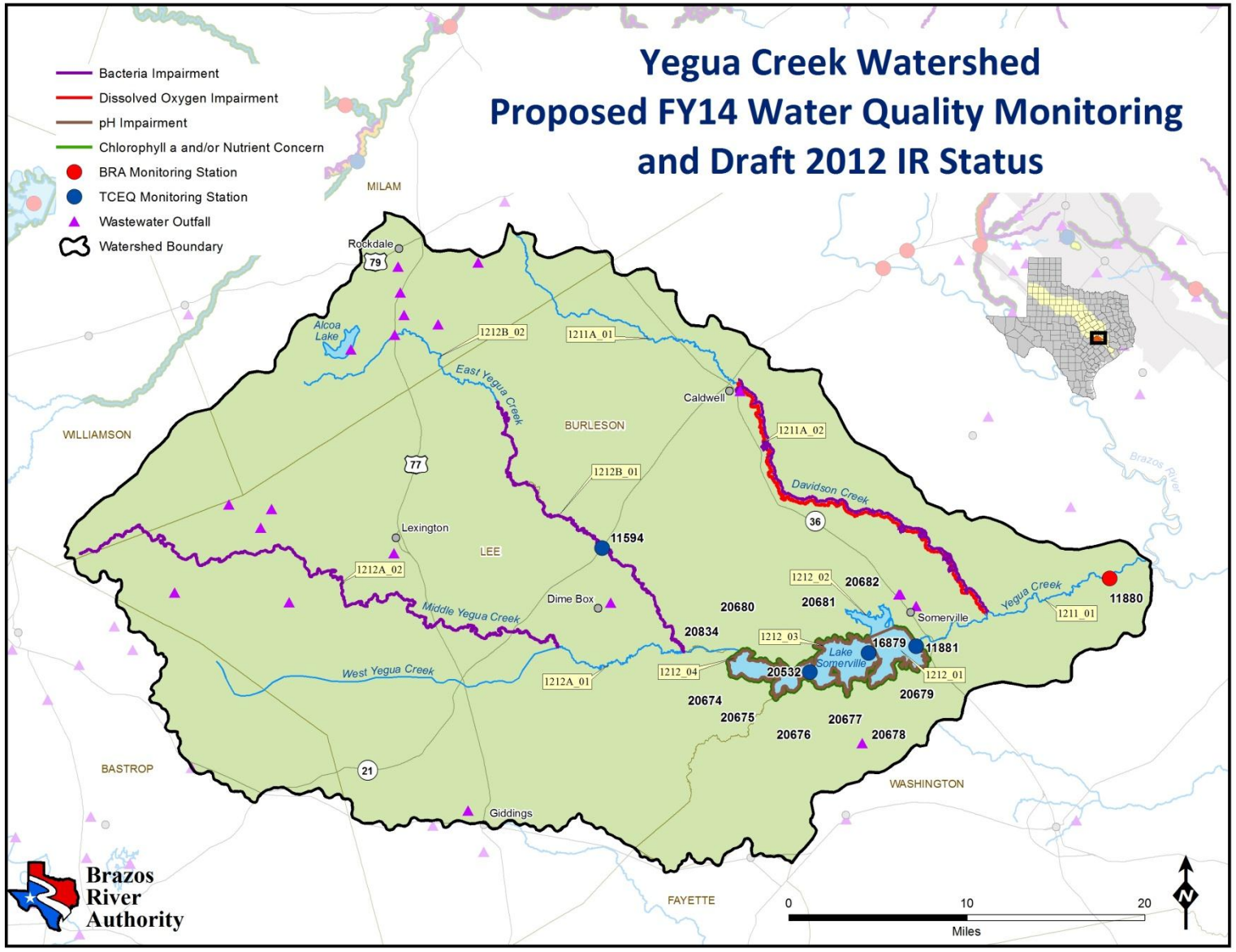

- 3 Bacteria – 1 DO – 1 pH – 1 Nutrient/Chl *a*
- An RUAA has been completed – recommend reclassification to SCR1 for **1212B - East Yegua Creek**
- An RUAA has been collected for stream and is in review by the Standards Team
- An RUAA is planned for 1 stream

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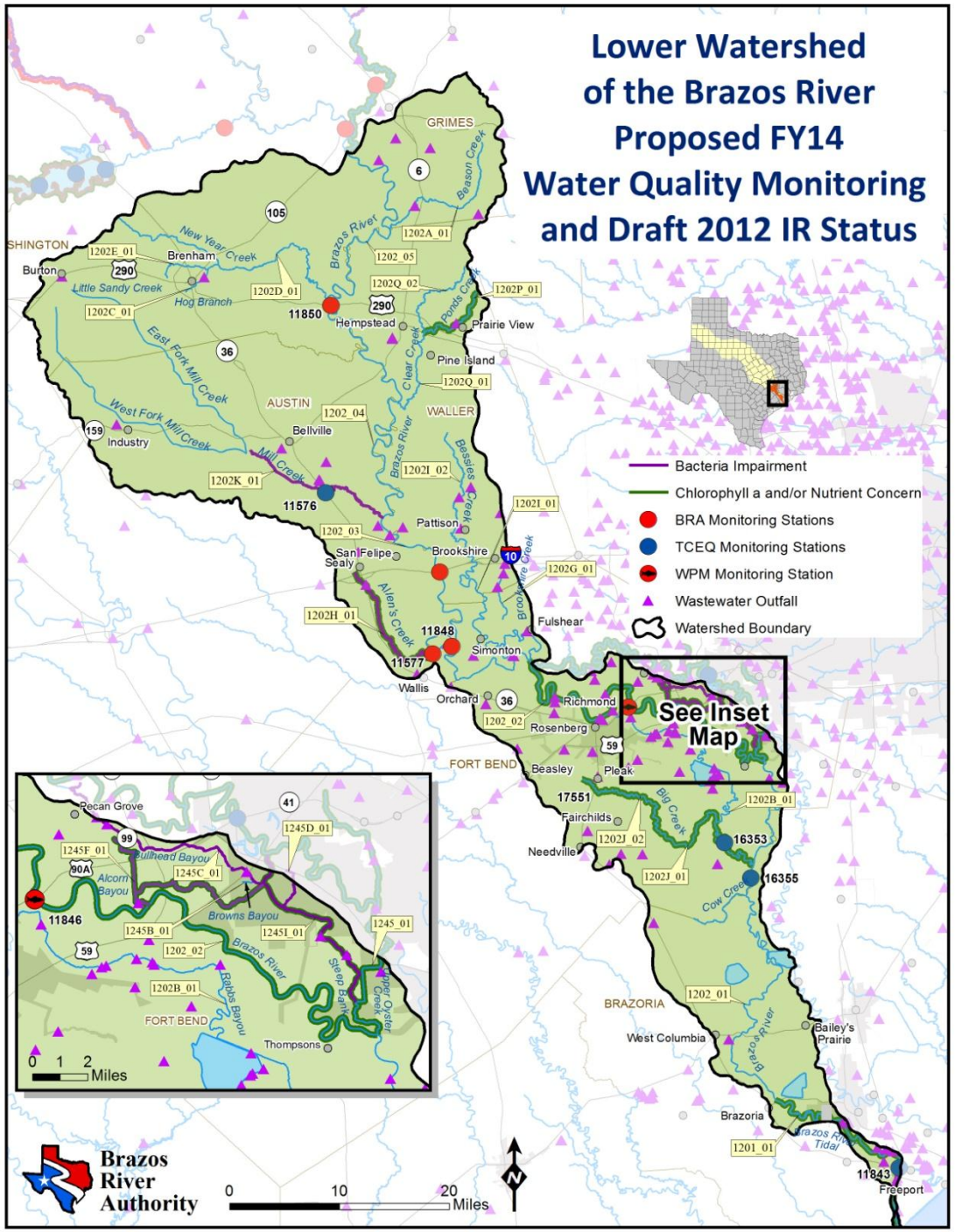
- 6 Bacteria – 7 Nutrient/Chl *a*
- 2 RUAAs have been completed – recommend reclassification to SCR1 for **1245C - Bullhead Bayou and 1245D - Unnamed Tributary to Bullhead Bayou**
- RUAA field work is complete and is in review by the Standards Team for 1 stream
- One WMP Environmental Study stations: **11846 - Brazos at US 90A near Richmond**



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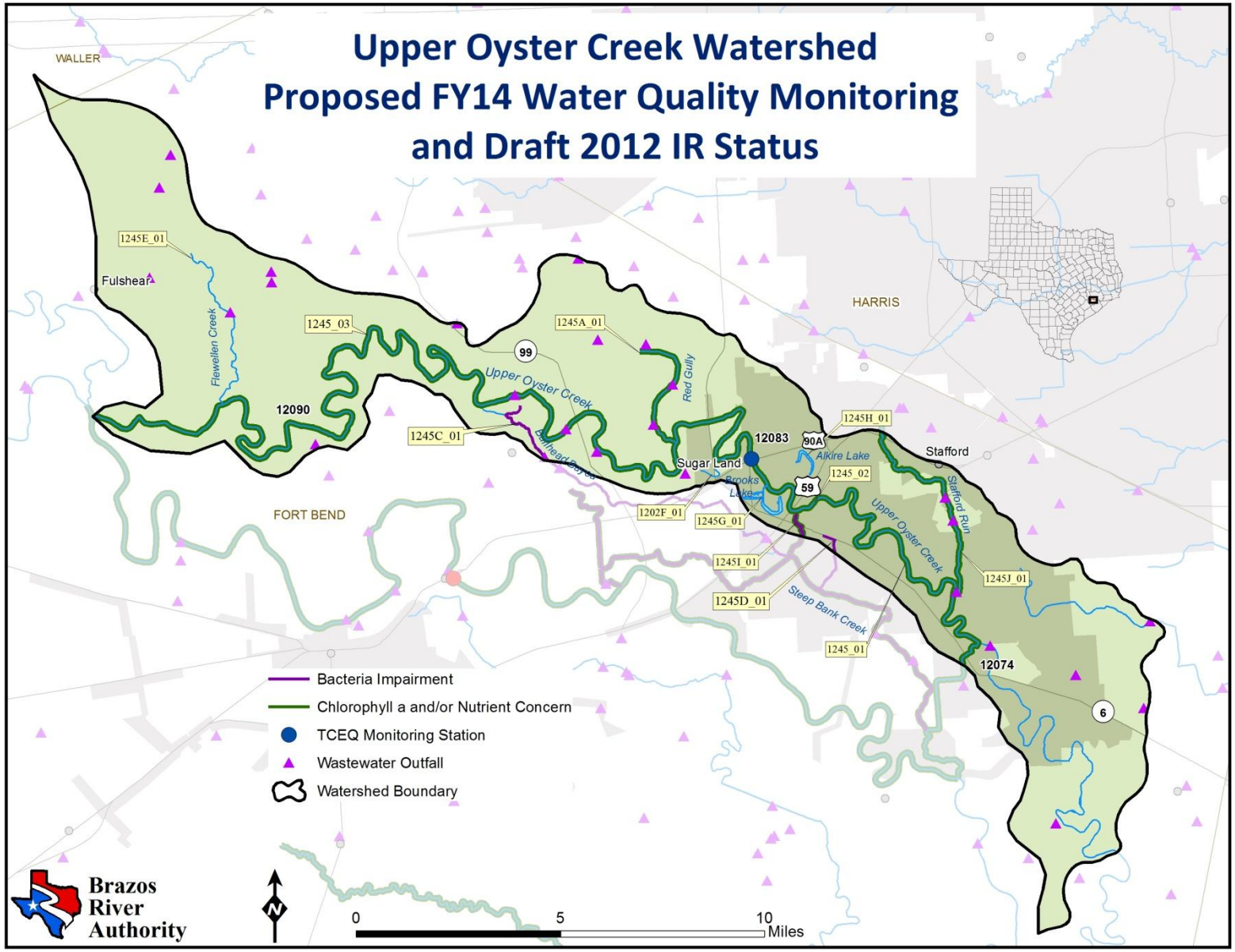

- 2 Nutrient/Chl *a*
- **Upper Oyster Creek TMDL Implementation**

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