



***Water Bodies Not Meeting  
State Criteria  
and  
FY2014 Proposed Monitoring***



# **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 ( $\approx 45\%$ )
- 12 classified segments and 62 unclassified waterbodies are listed as impaired for elevated bacteria ( $\approx 39\%$ )
- 4 classified segments and 6 unclassified waterbodies are listed for dissolved oxygen Impairment ( $\approx .04\%$ )
- 5 classified segments are listed as impaired for chloride, sulfate and/or TDS ( $\approx .03\%$ )
- 31 classified segments and 56 unclassified waterbodies are identified as having concerns based on screening levels for algal growth and/or elevated nutrients ( $\approx .46\%$ )



## **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**

# Watershed of the Salt and Double Mountain Forks of the Brazos River

## Proposed FY14 Water Quality Monitoring and Draft 2012 IR Status

This map illustrates the proposed FY14 water quality monitoring and draft 2012 IR status for the Salt and Double Mountain Forks of the Brazos River watershed. The watershed boundary is shown in black, covering parts of Lubbock, Crosby, Dickens, King, Knox, Baylor, Lynn, Garza, Borden, Scurry, Fisher, Jones, Haskell, Throckmorton, and Stephens counties. The map highlights various water quality issues: Bacteria Impairment (purple line), Total Dissolved Solids/Chloride/Sulfate Impairment (orange line), Mercury in Edible Tissue (grey line), and Chlorophyll a and/or Nutrient Concern (green line). Monitoring stations are marked with red dots (BRA) and blue dots (TCEQ). Wastewater outfalls are indicated by pink triangles. The map also shows major roads, cities, and water bodies. A legend in the bottom left corner defines the symbols used. A scale bar in the bottom right corner indicates distances up to 20 miles. An inset map in the top right corner shows the location of the watershed within the state of Texas.

**Legend:**

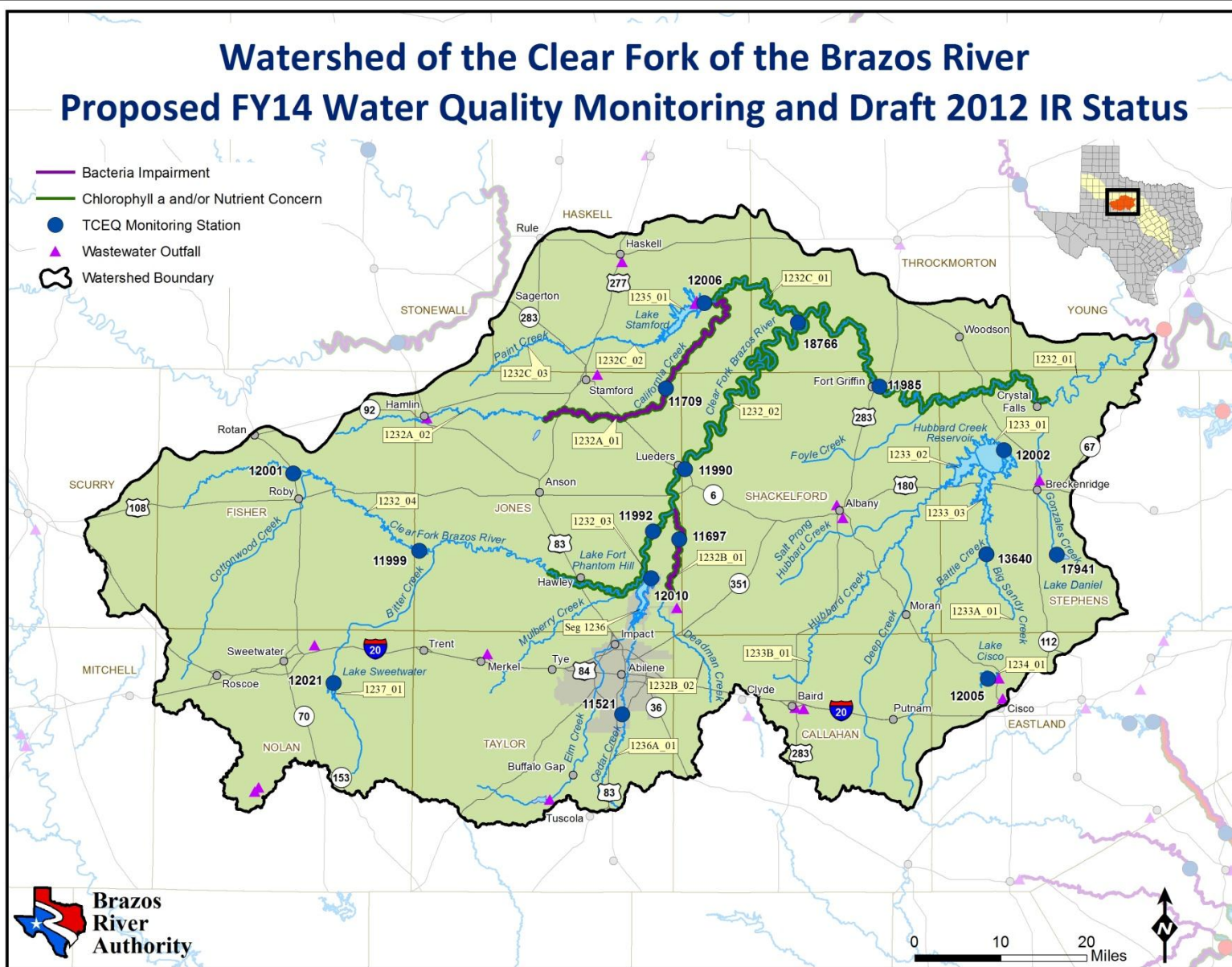
- Bacteria Impairment
- Total Dissolved Solids/Chloride/Sulfate Impairment
- Mercury in Edible Tissue
- Chlorophyll a and/or Nutrient Concern
- BRA Monitoring Station
- TCEQ Monitoring Station
- Wastewater Outfall
- Watershed Boundary

**Scale:** 0 10 20 Miles

**Map Labels:** LUBBOCK, CROSBY, DICKENS, KING, KNOX, BAYLOR, LYNN, GARZA, BORDEN, SCURRY, FISHER, JONES, HASKELL, THROCKMORTON, STEPHENS, YOUNG, NEWCASTLE, MEGARGEL, SEYMOUR, BENJAMIN, KNOX CITY, MUNDAY, GOREE, WEINERT, MILLERS CREEK RESERVOIR, MILLERS CREEK, ELM CREEK, BOGGY CREEK, ROTAN, ASPERMONT, JAYTON, SPUR, WHITE RIVER LAKE, SALT FORK BRAZOS RIVER, NORTH FORK DOUBLE MOUNTAIN FORK, DOUBLE MOUNTAIN FORK, ROUGH CREEK, LAKE ALAN HENRY, POST, RANSAN CANYON, BUFFALO SPRINGS LAKE, LUBBOCK.

**Monitoring Station IDs:** 11534, 11529, 11527, 11526, 11523, 12027, 1239 01, 1238 03, 1241A 01, 1241B, 18414, 12023, 1238 02, 1241 01, 12022, 12029, 1208 06, 1208 05, 11871, 1208 04, 1208 03, 1208 02, 1241C 01, 1240A 01, 1240 01, 1238A 01, 1238 01, 1238 02, 1241 02, 1208 01, 1208 04, 1208 03, 1208 02, 1241 01, 1241 02, 1241 03, 1241 04, 1241 05, 1241 06, 1241 07, 1241 08, 1241 09, 1241 10, 1241 11, 1241 12, 1241 13, 1241 14, 1241 15, 1241 16, 1241 17, 1241 18, 1241 19, 1241 20, 1241 21, 1241 22, 1241 23, 1241 24, 1241 25, 1241 26, 1241 27, 1241 28, 1241 29, 1241 30, 1241 31, 1241 32, 1241 33, 1241 34, 1241 35, 1241 36, 1241 37, 1241 38, 1241 39, 1241 40, 1241 41, 1241 42, 1241 43, 1241 44, 1241 45, 1241 46, 1241 47, 1241 48, 1241 49, 1241 50, 1241 51, 1241 52, 1241 53, 1241 54, 1241 55, 1241 56, 1241 57, 1241 58, 1241 59, 1241 60, 1241 61, 1241 62, 1241 63, 1241 64, 1241 65, 1241 66, 1241 67, 1241 68, 1241 69, 1241 70, 1241 71, 1241 72, 1241 73, 1241 74, 1241 75, 1241 76, 1241 77, 1241 78, 1241 79, 1241 80, 1241 81, 1241 82, 1241 83, 1241 84, 1241 85, 1241 86, 1241 87, 1241 88, 1241 89, 1241 90, 1241 91, 1241 92, 1241 93, 1241 94, 1241 95, 1241 96, 1241 97, 1241 98, 1241 99, 1241 100.

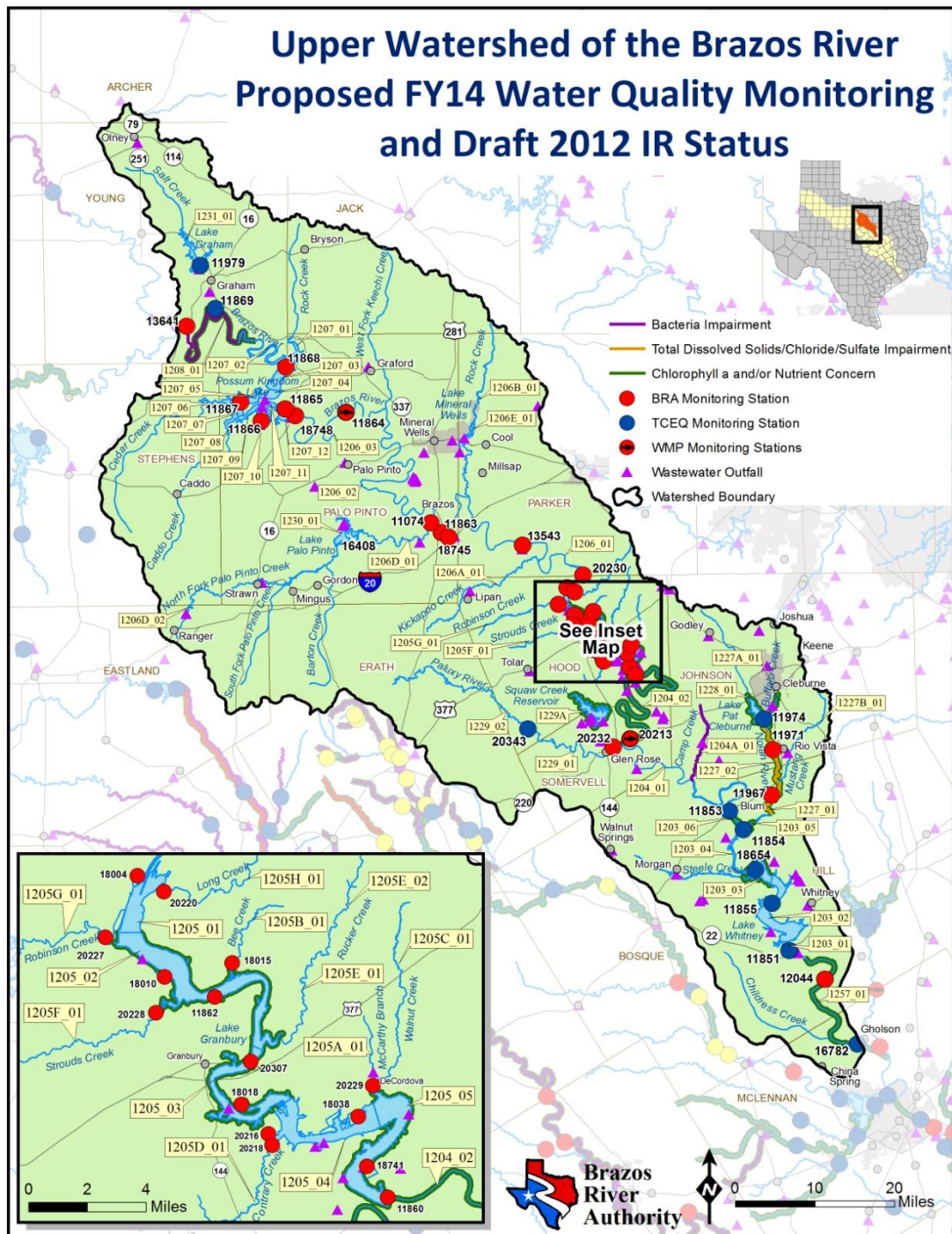
- **3 Bacteria – 1 TDS/Chloride/Sulfate – 1 Mercury – 4 Nutrient/Chl a**
- **An RUAA has been completed - recommend remain PCR for 1208 - Brazos River above Possum Kingdom Lake**



➤ 2 Bacteria – 4 Nutrient/Chl a



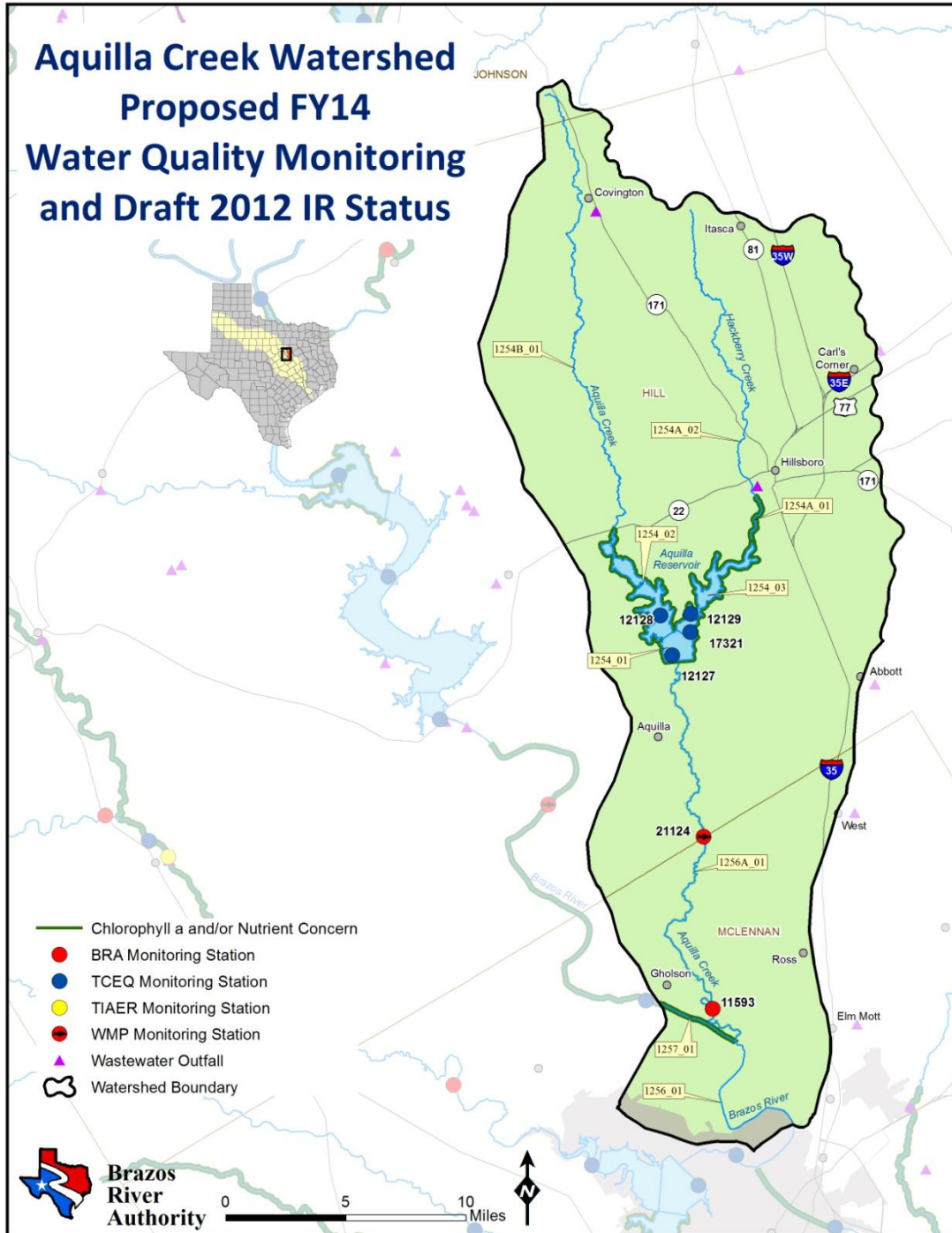
- **2 Bacteria**
  - 1 TDS/Sulfate**
  - 10 Nutrient/Chl a**
- **An RUAA has been completed - recommend remain PCR for 1208 - Brazos River above Possum Kingdom Lake**
- **Lake Granbury Watershed Protection Plan**
- **Two WMP Environmental Study stations: 11864 Brazos at FM 4 near Palo Pinto and 20213 Brazos at FM 200 near Glen Rose**





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

## Aquilla Creek Watershed Proposed FY14 Water Quality Monitoring and Draft 2012 IR Status



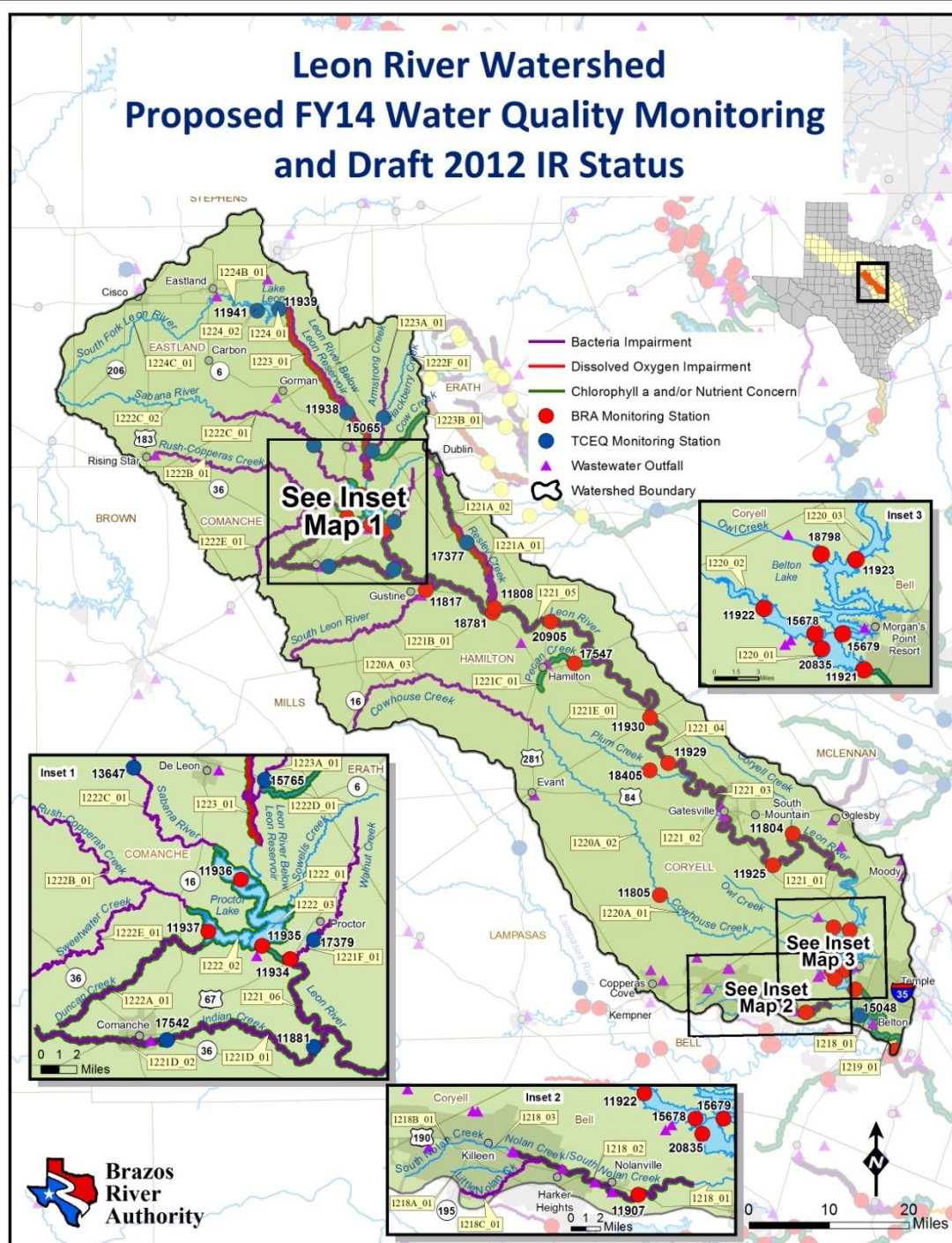








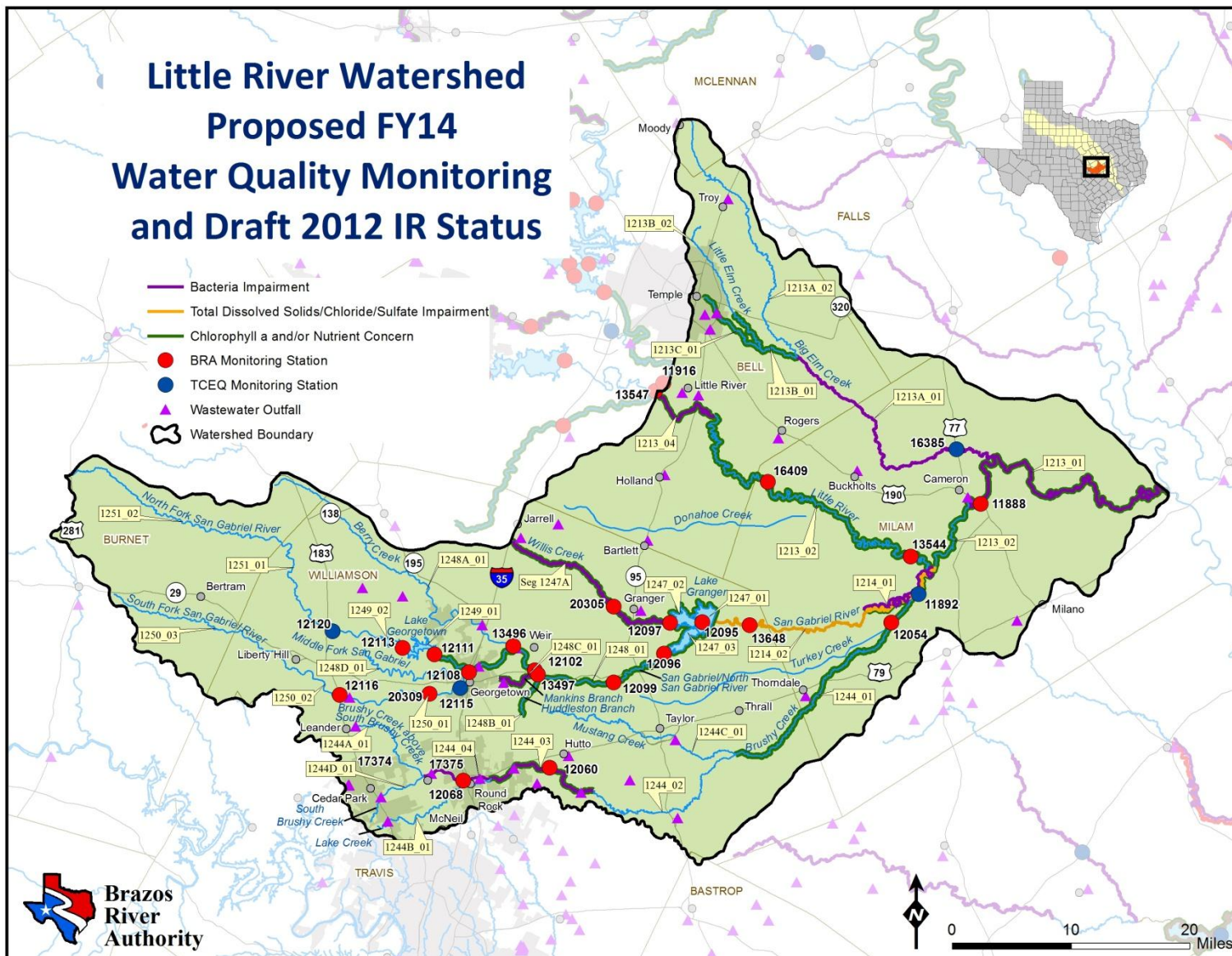
- **14 Bacteria – 2 DO – 11 Nutrient/Chl a**
- **RUAAs have been completed for 12 streams**
  - 5 have been recommended for classification changes
  - 2 have been recommended to remain as PCR
  - 5 are in review by the Standards Team
- **1221 - Leon River Watershed Protection Plan**
- **1218 – Nolan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





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



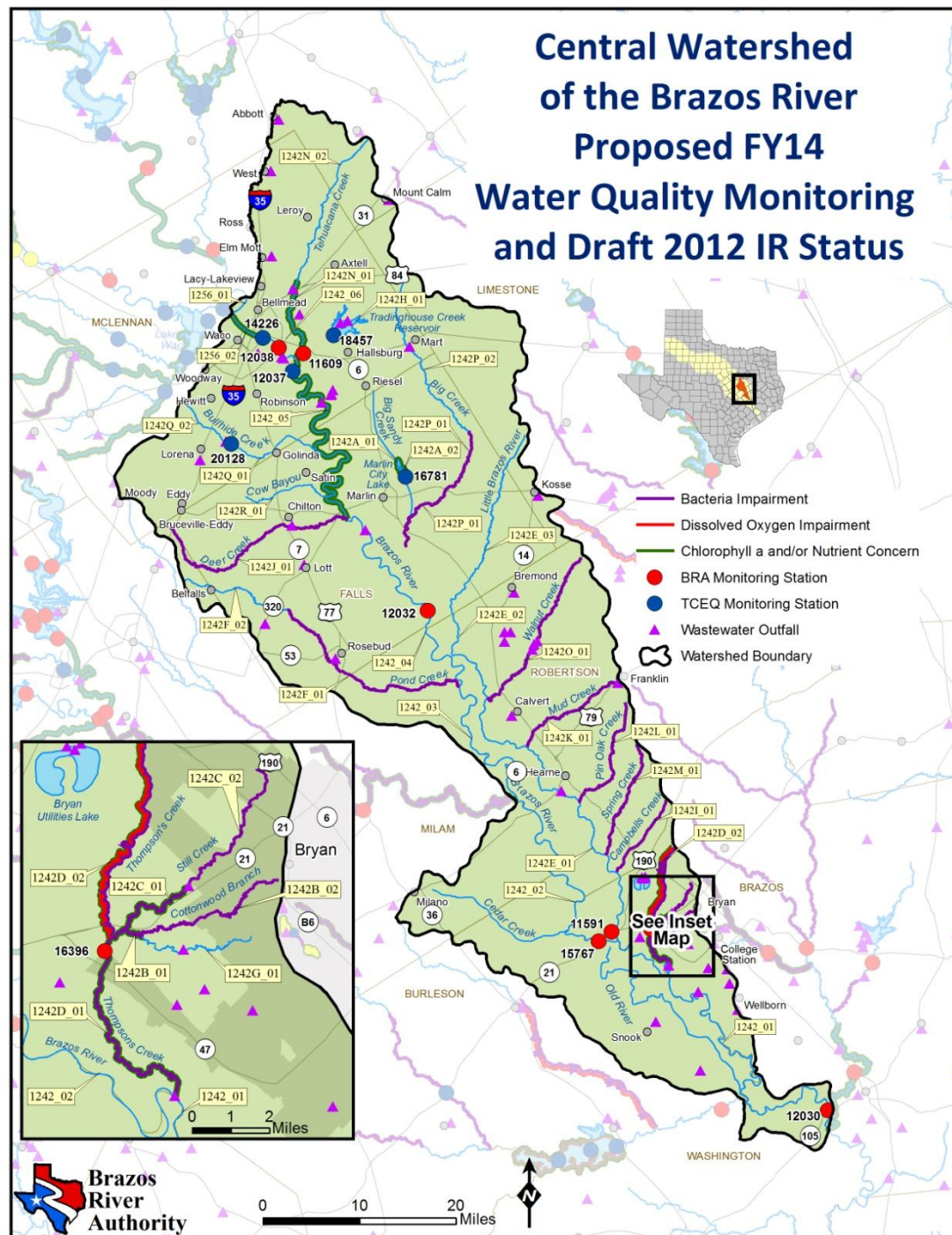


- 6 Bacteria – 1 Chloride/Sulfate – 9 Nutrient/Chl a
- RUAA field work is complete and is in review by the Standards Team for 2 streams
- An RUAA has been completed - recommend remain PCR for 1244 - Brushy Creek



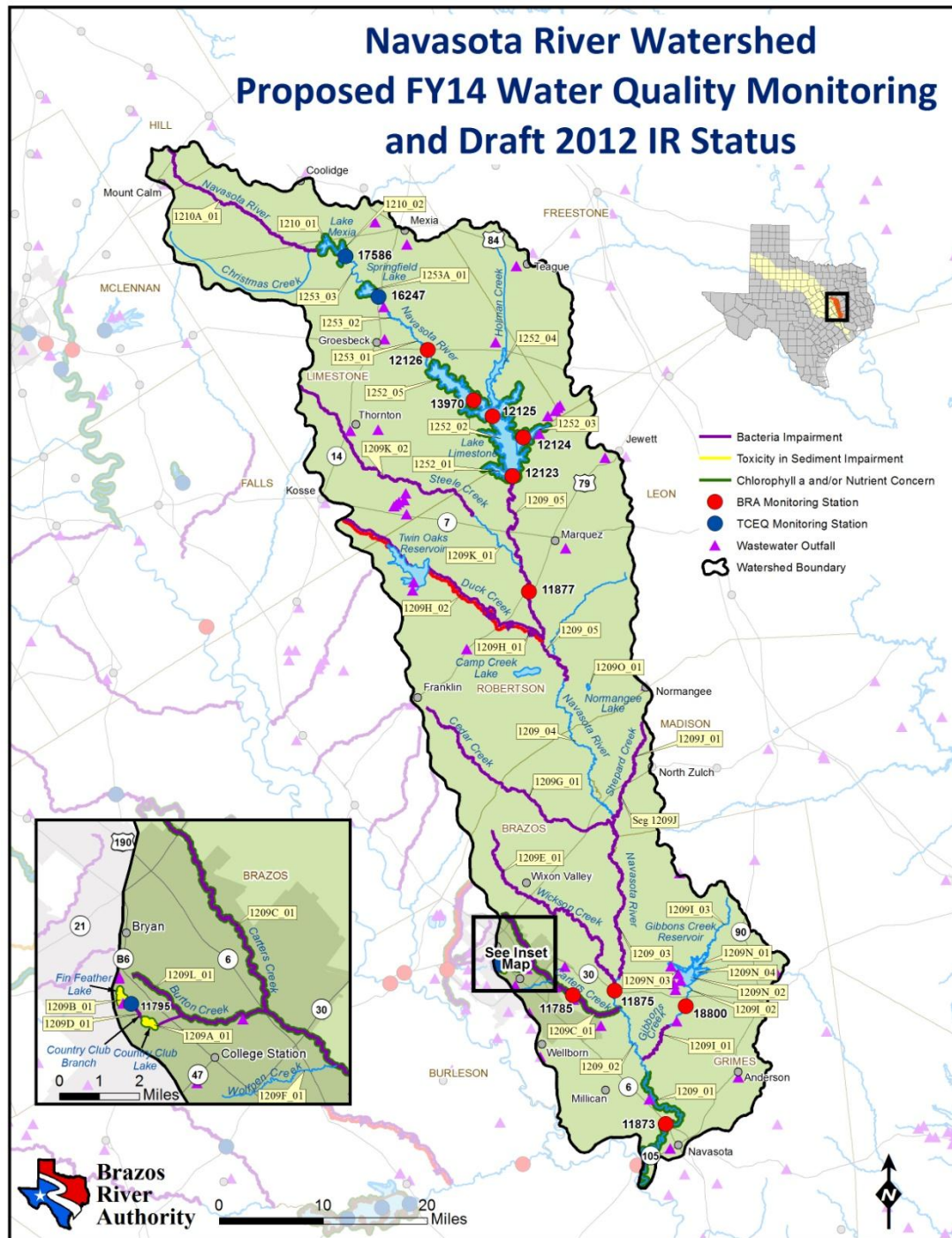


- **11 Bacteria – 1 DO – 7 Nutrient/Chl a**
- **RUAA field work been completed and is in review by the Standards Team for 9 streams**
- **RUAA's are recommended for 2 more streams**
- **1242D - Thompson's Creek (UAA) will be completed in FY2013**

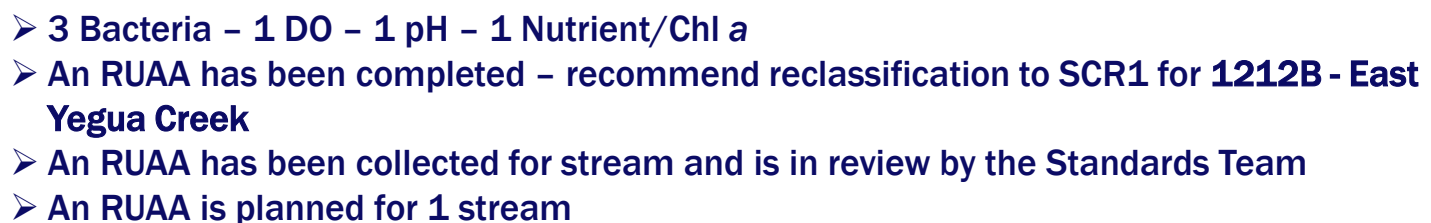




- **11 Bacteria – 1 DO – 9 Nutrient/Chl a**
- **2 RUAAAs have been completed - recommend remain PCR for 1209 - Navasota River Below Lake Limestone and recommend reclassification to SCR1 for 1210A Navasota River above Lake Mexia**
- **RUAA data has been collected for 7 streams and is in review by the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



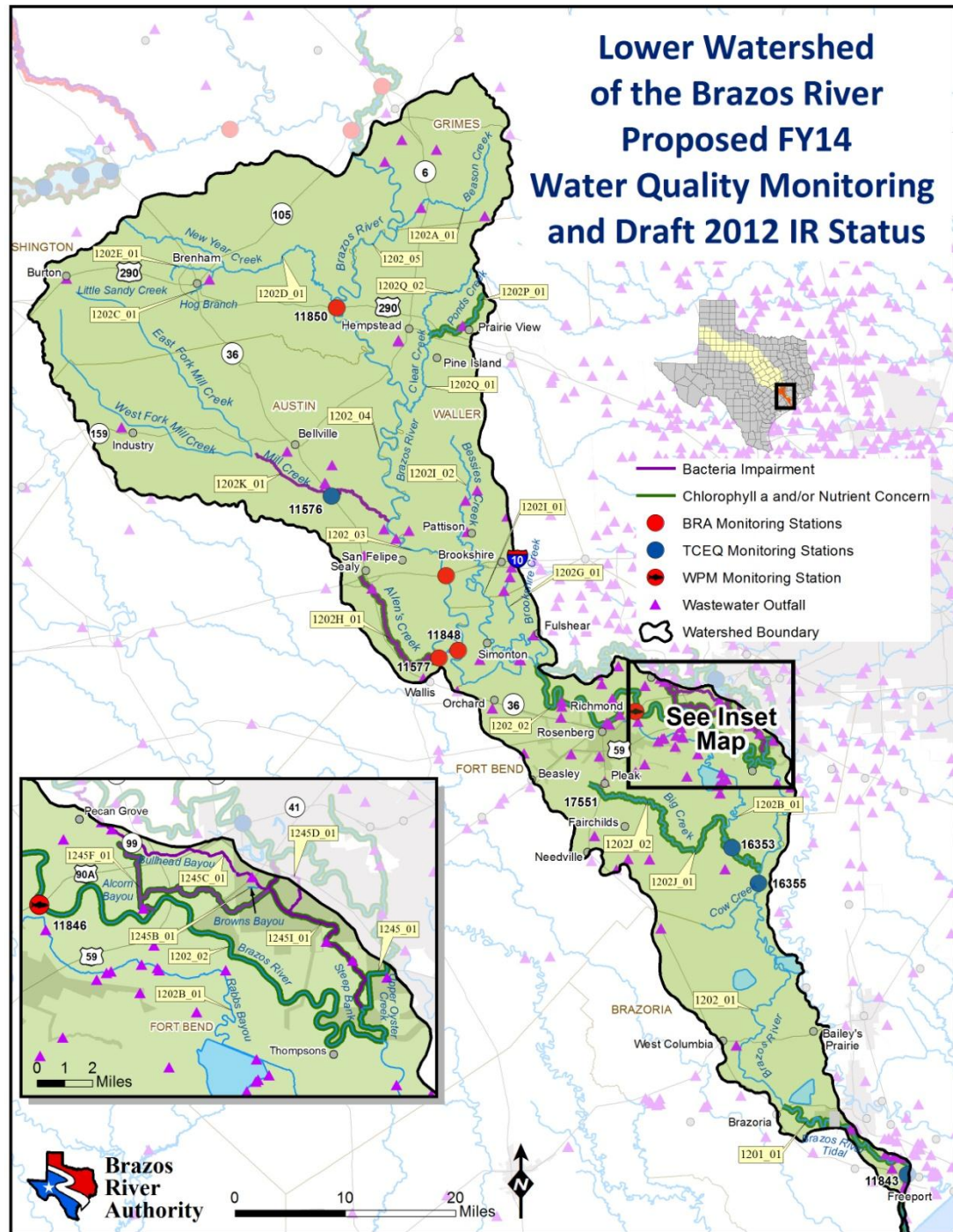


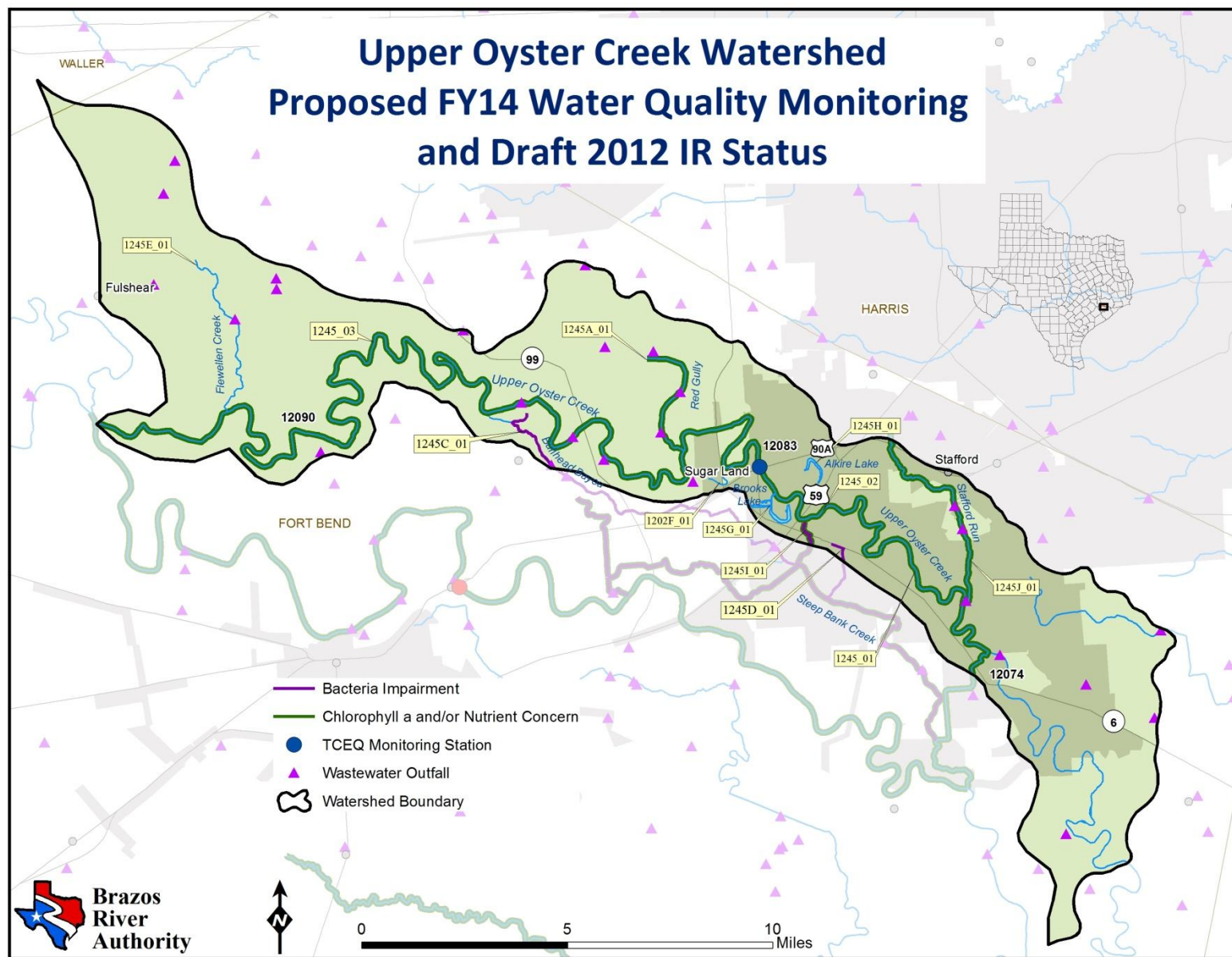






- 6 Bacteria – 7 Nutrient/Chl a
- 2 RUAAAs have been completed – recommend reclassification to SCR1 for **1245C - Bullhead Bayou** and **1245D - Unnamed Tributary to Bullhead Bayou**
- RUAA field work is complete and is in review by the Standards Team for 1 stream
- One WMP Environmental Study stations: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





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



Brazos River Authority



Brazos  
River  
Authority