Brazos River Authority

Water Bodies Not Meeting State Criteria

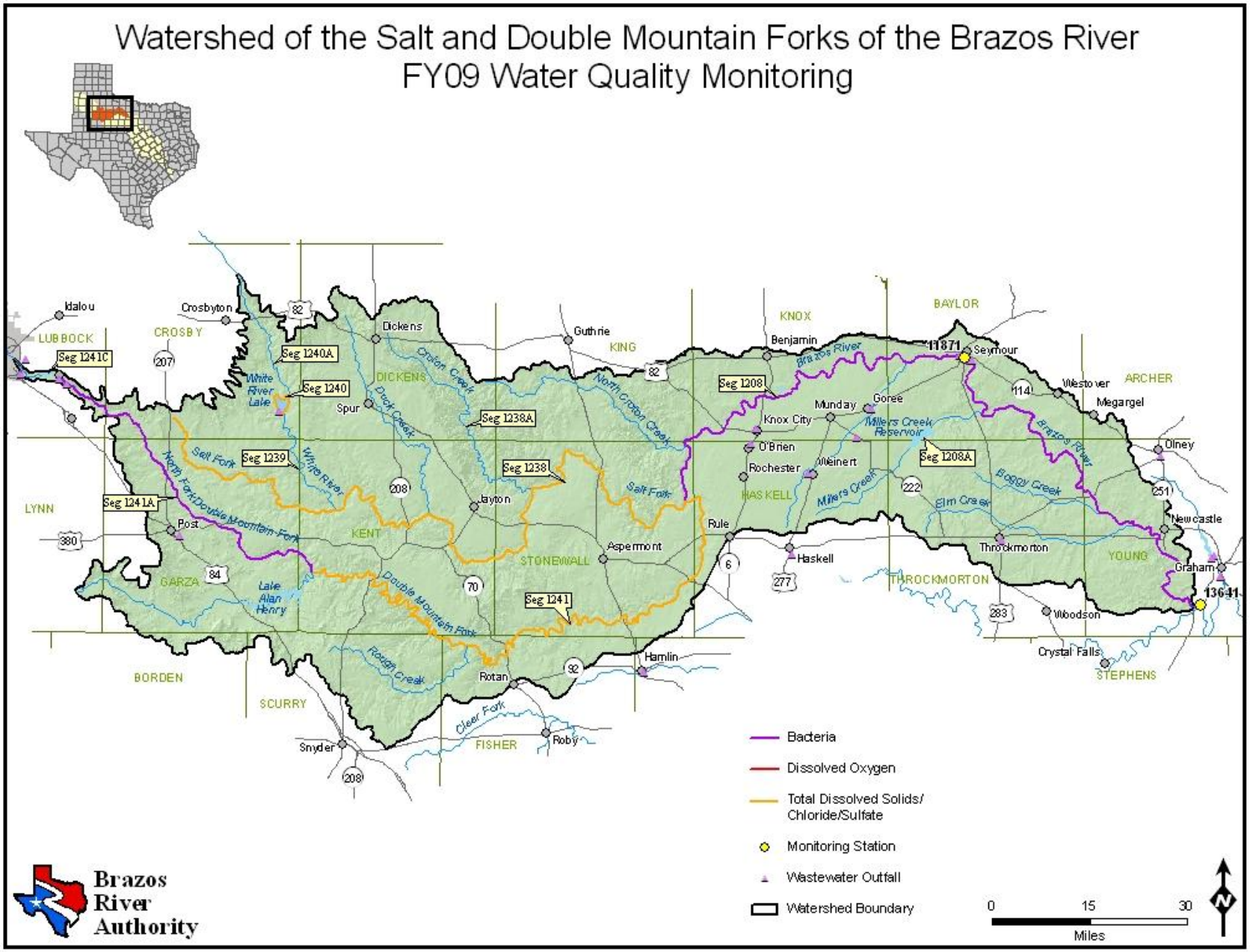
Brazos River Authority

Basin Overview

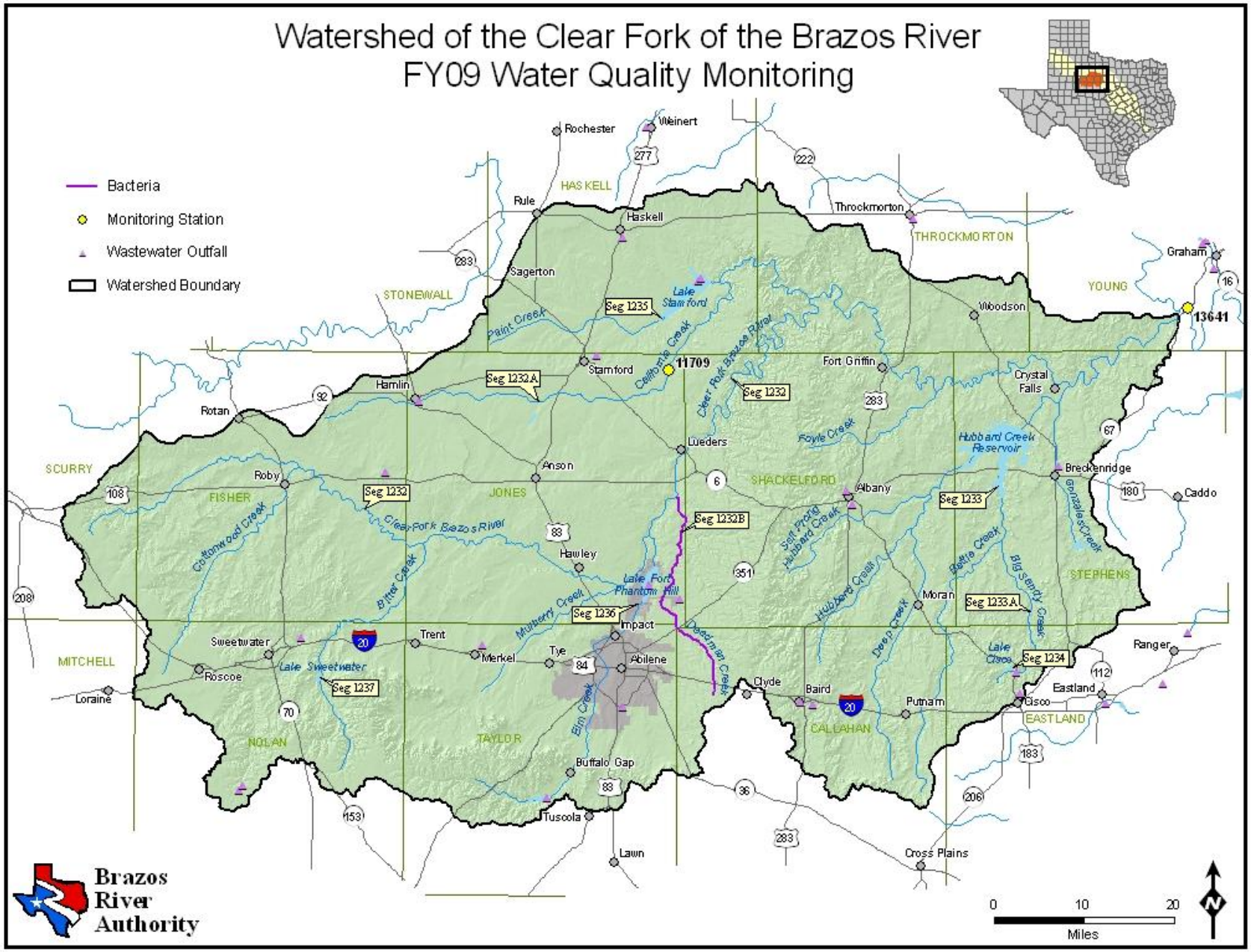
- 22 classified segments and 53 unclassified waterbodies are listed as impaired on the 2008 303(d) List
- 13 classified segments and 49 unclassified waterbodies are listed as impaired for elevated Bacteria
- 6 classified segments are listed as impaired for chloride, sulfate and/or TDS
- 4 classified segments and 4 unclassified waterbodies are listed for dissolved oxygen Impairment
- 2 classified segments are listed for nutrient enrichment
- 28 classified segments and 39 unclassified waterbodies are identified as having concerns based on screening levels for algal growth and/or elevated nutrients

Brazos River Authority

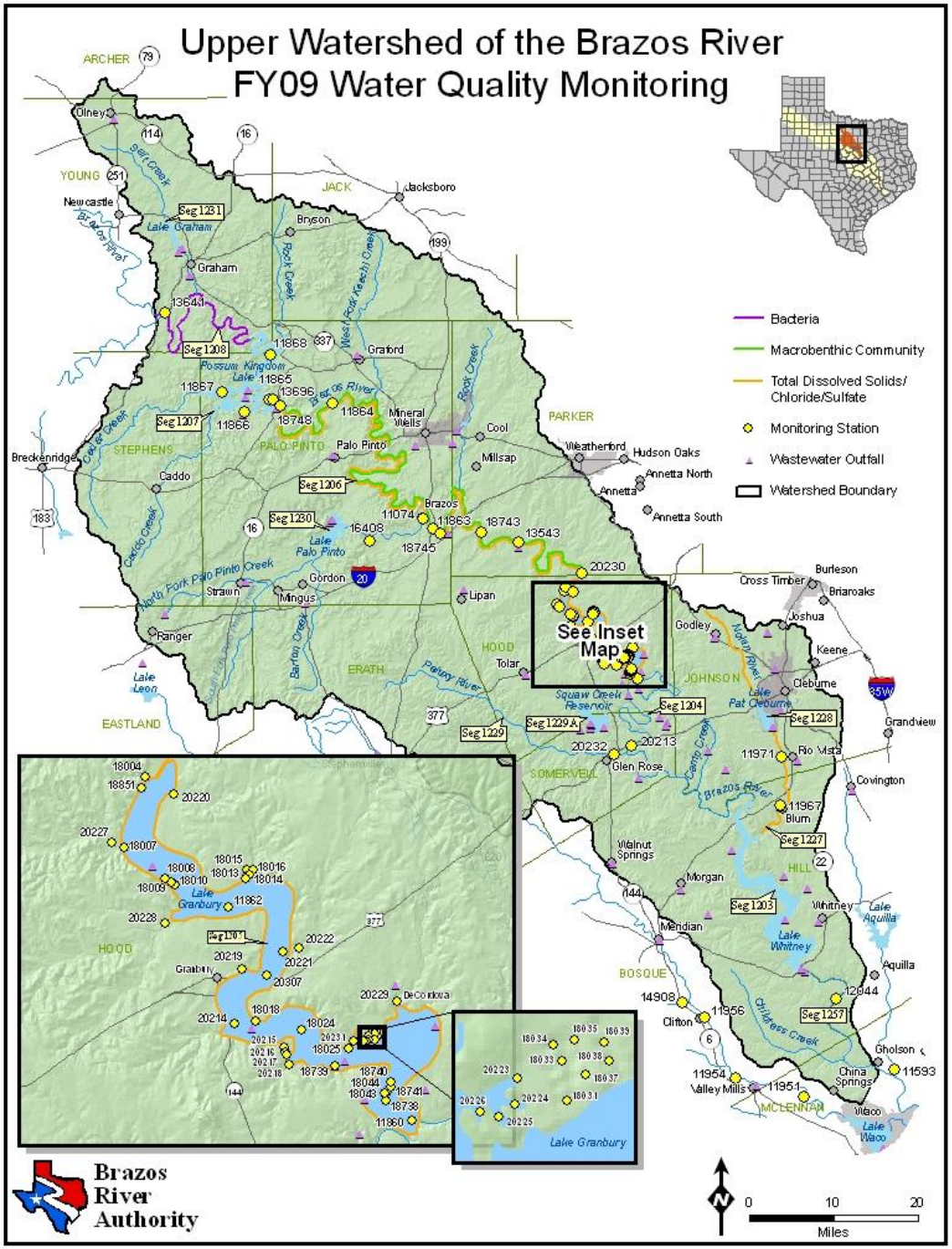
Watershed of the Salt and Double Mountain Forks of the Brazos River
FY09 Water Quality Monitoring



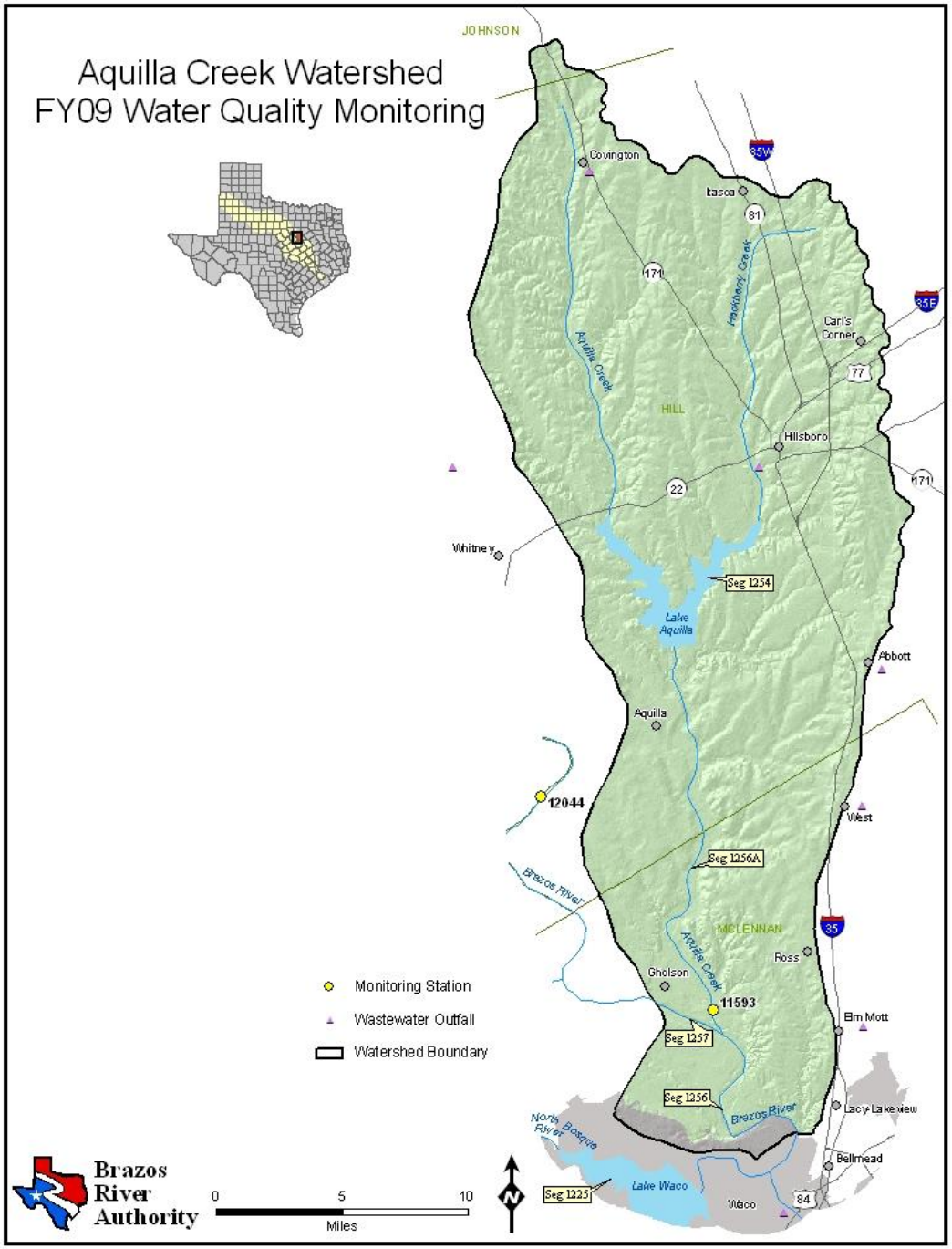
Brazos River Authority



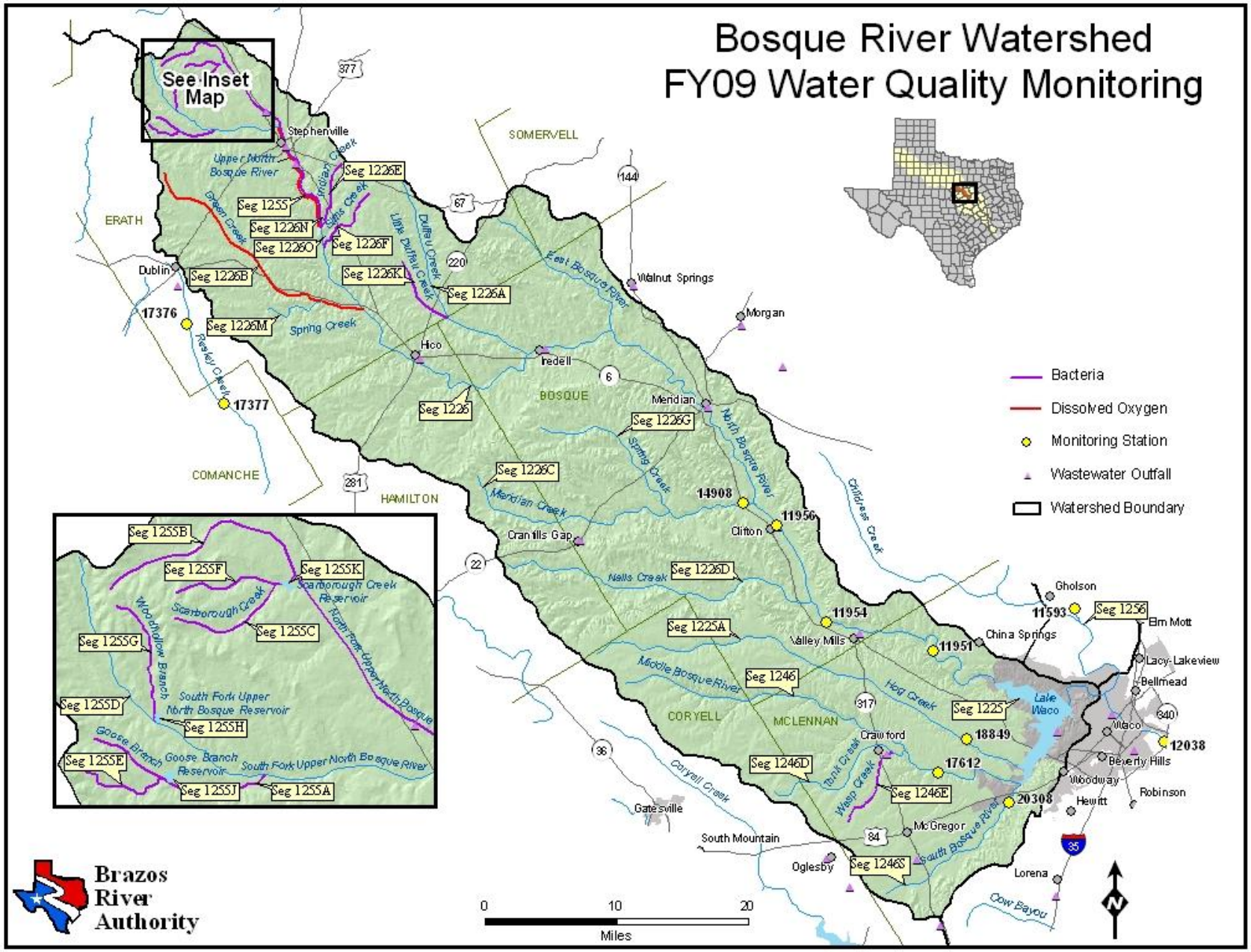
Brazos River Authority



Brazos River Authority



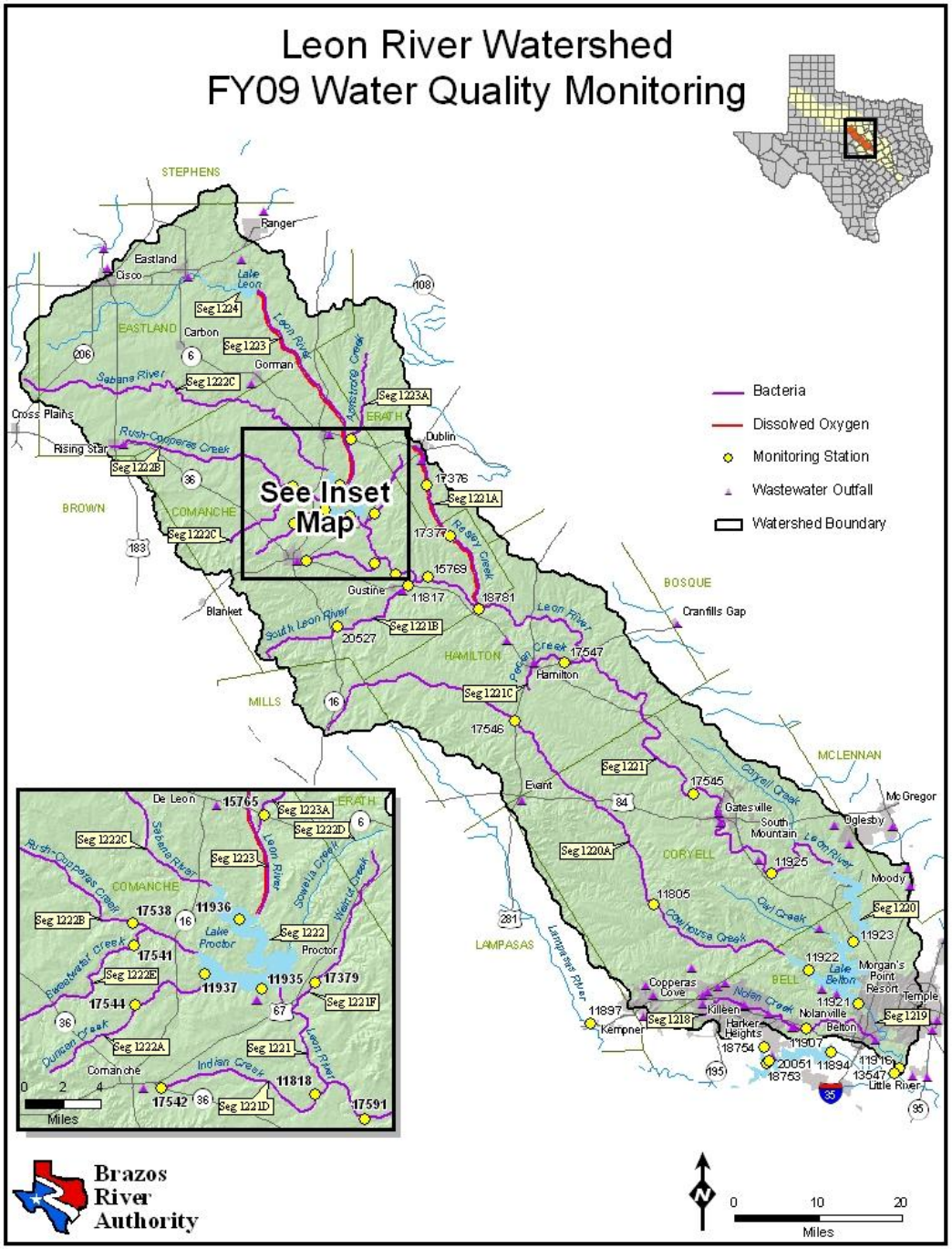
Brazos River Authority



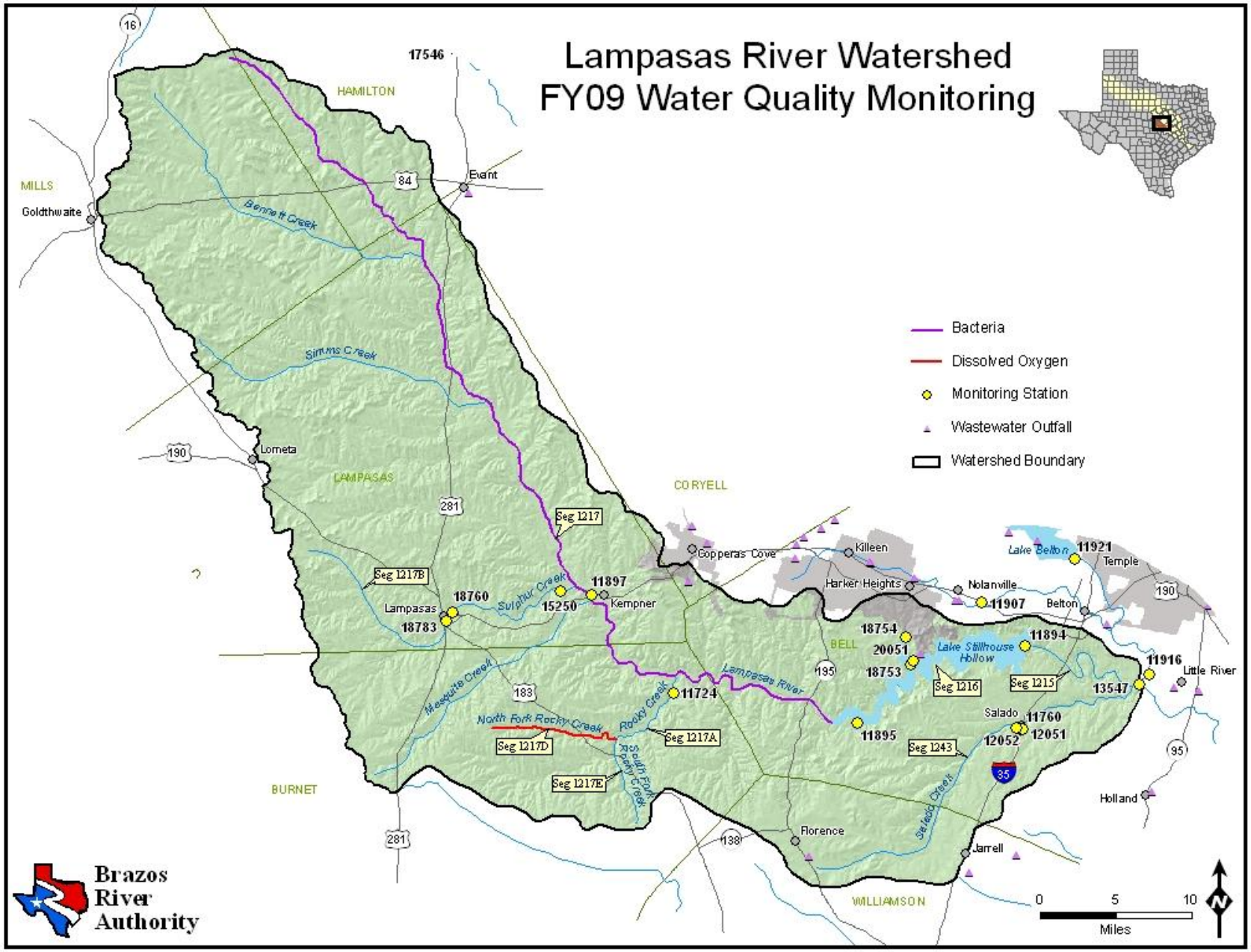
Brazos River Authority

Brazos River Authority

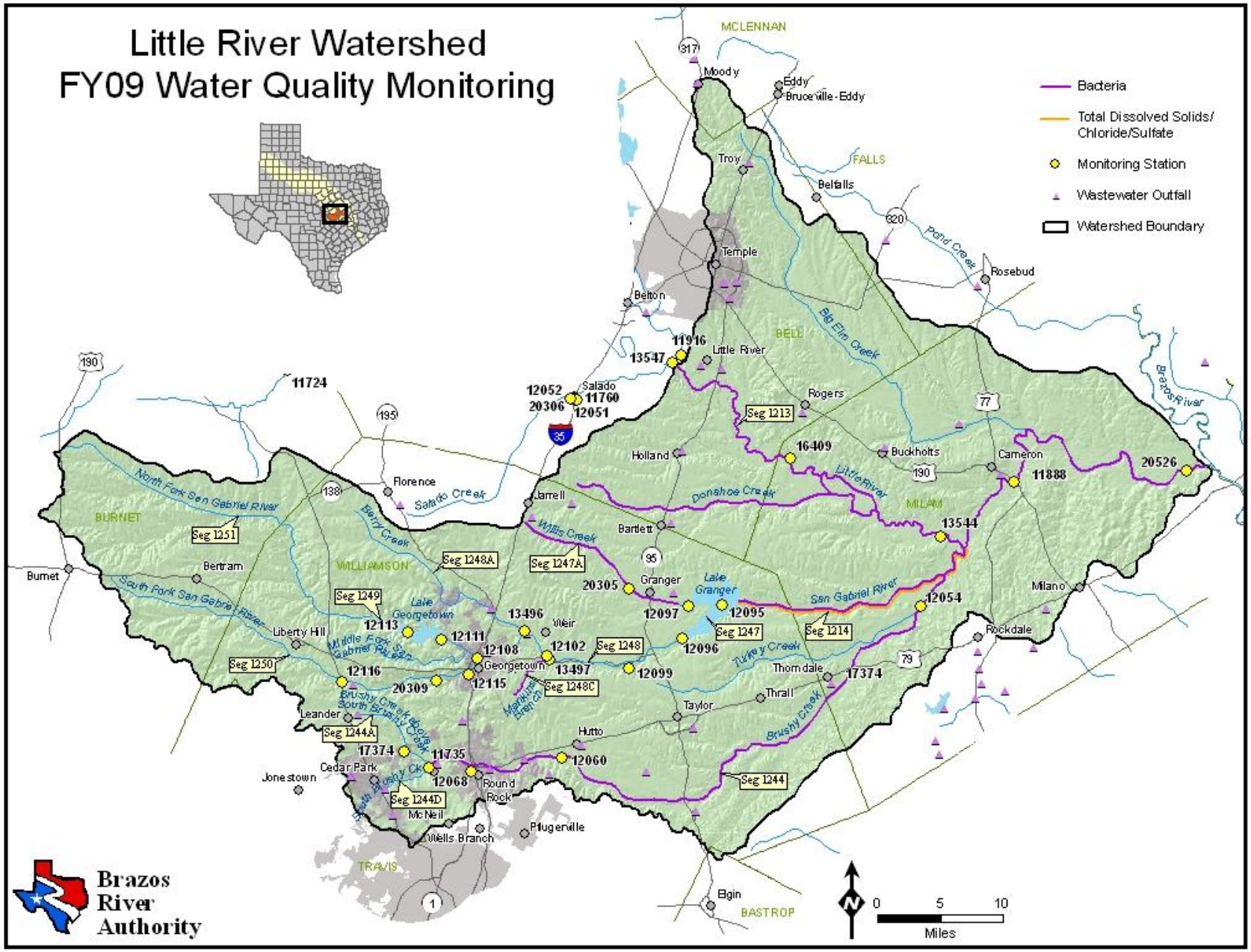
Leon River Watershed
FY09 Water Quality Monitoring



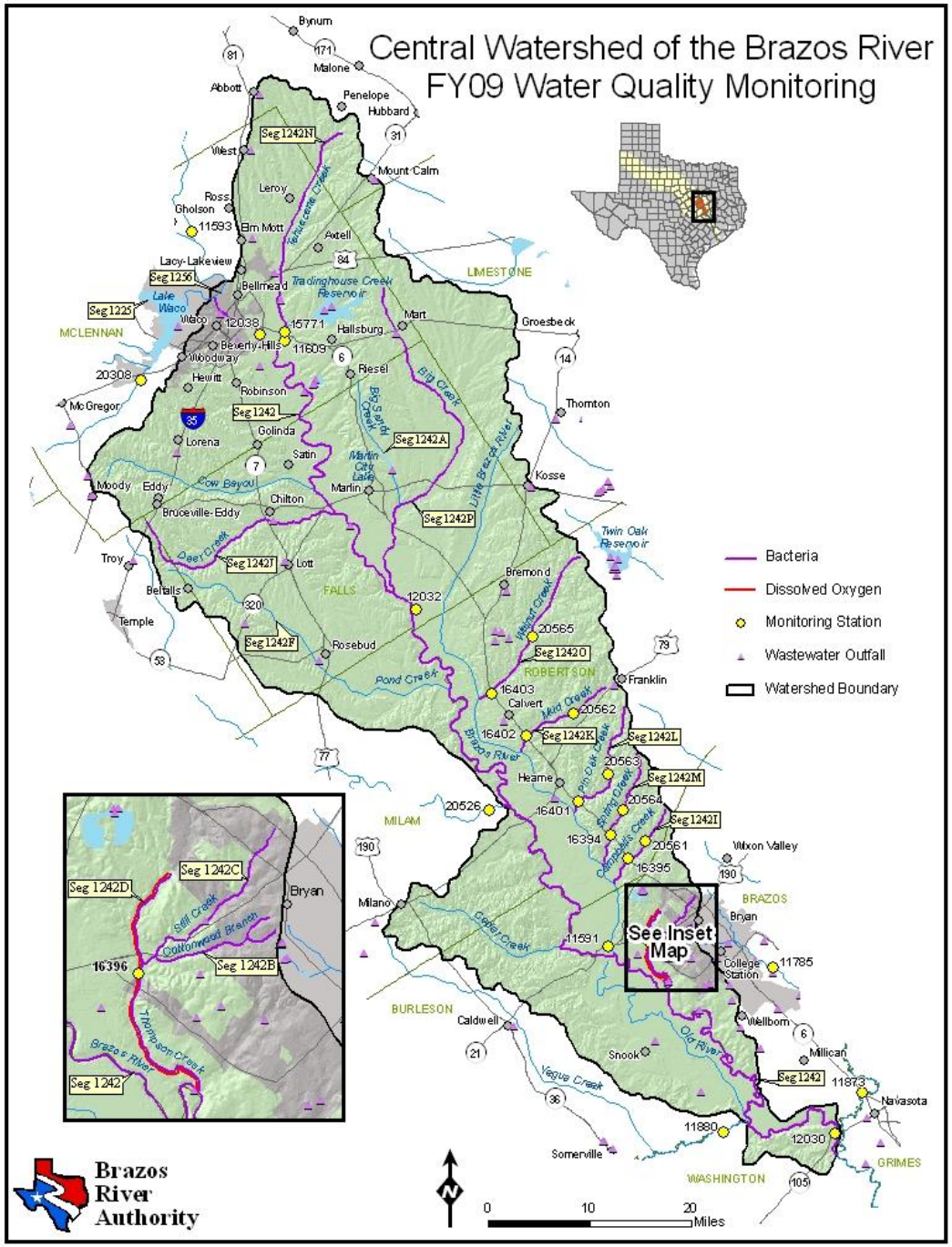
Brazos River Authority



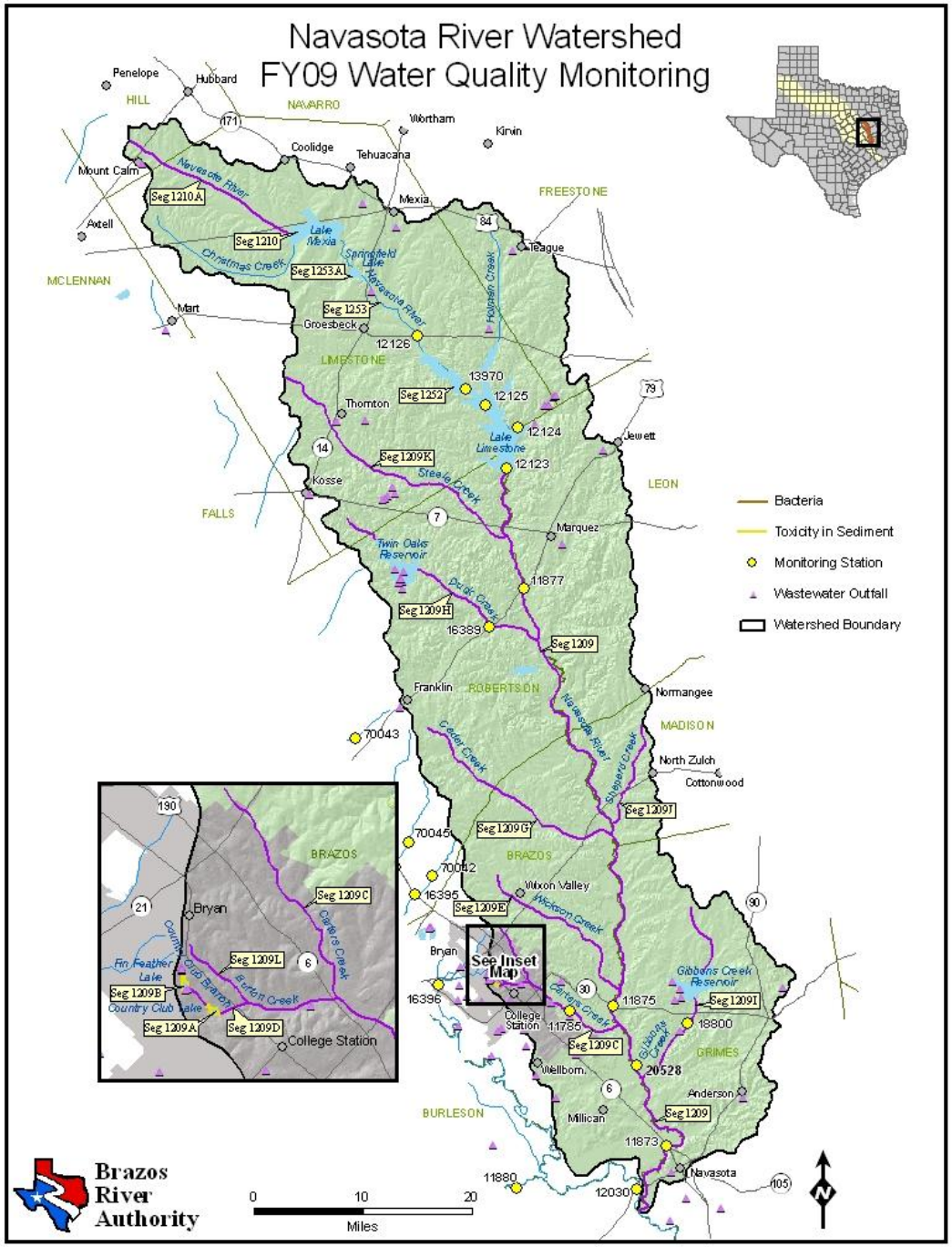
Brazos River Authority



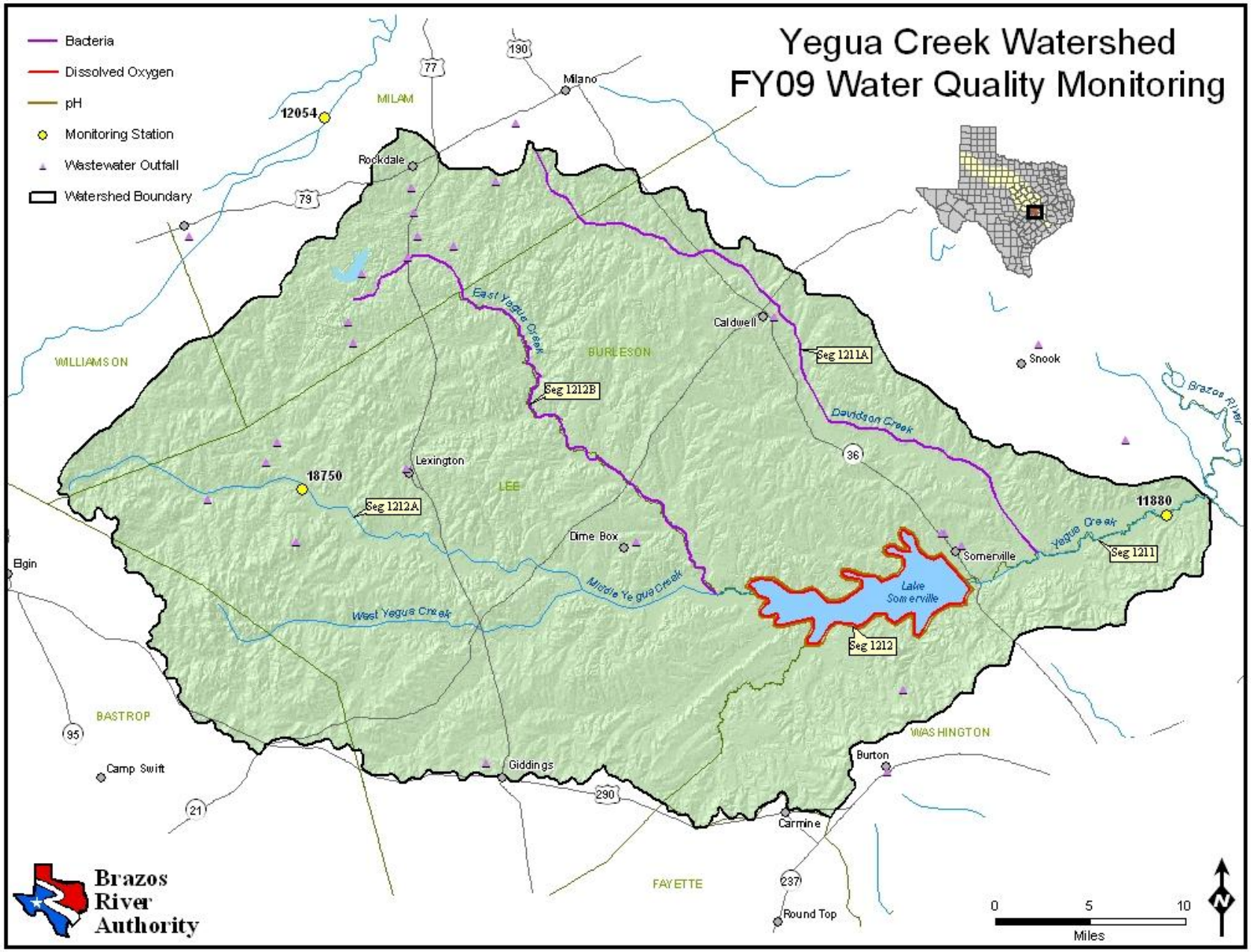
Brazos River Authority



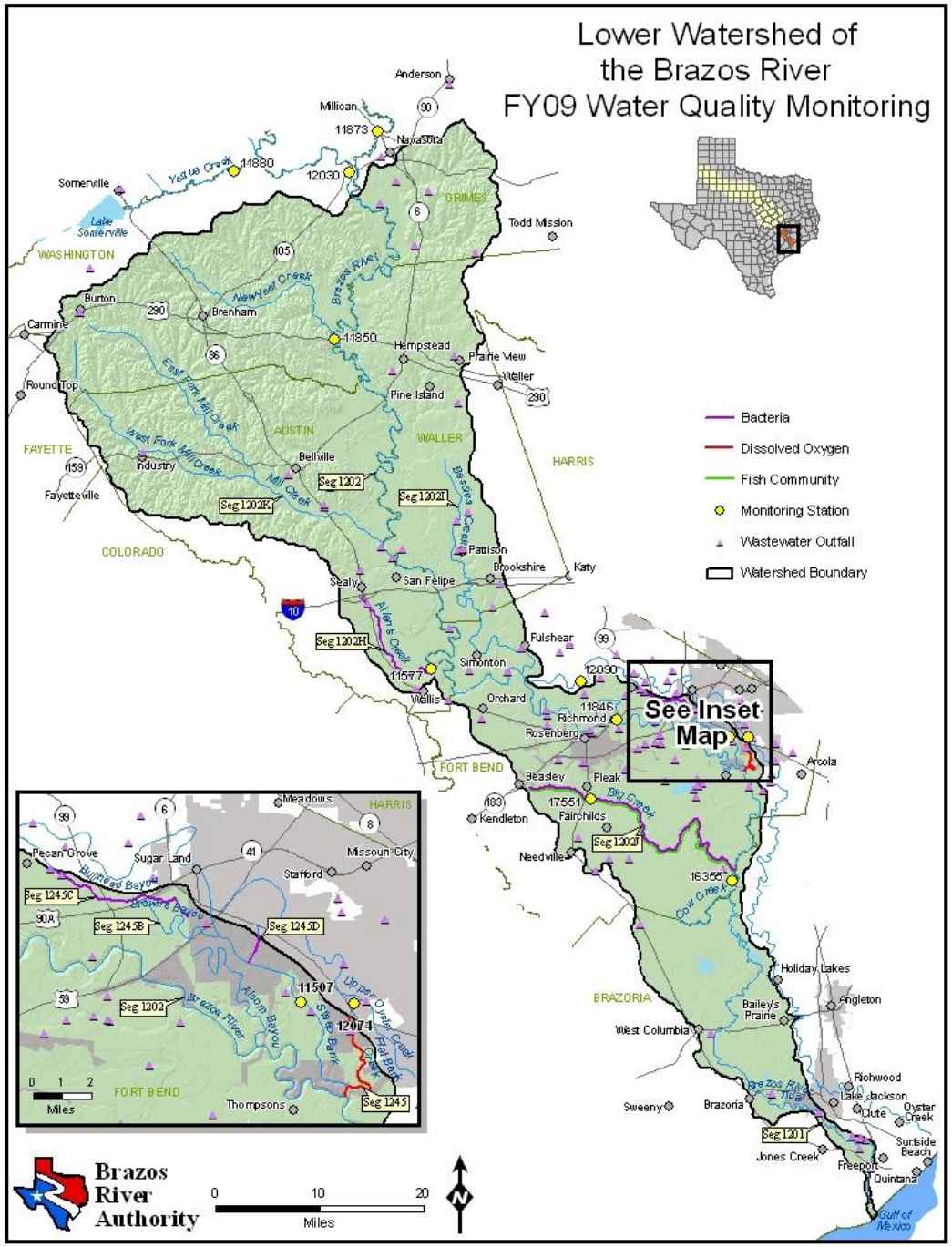
Brazos River Authority



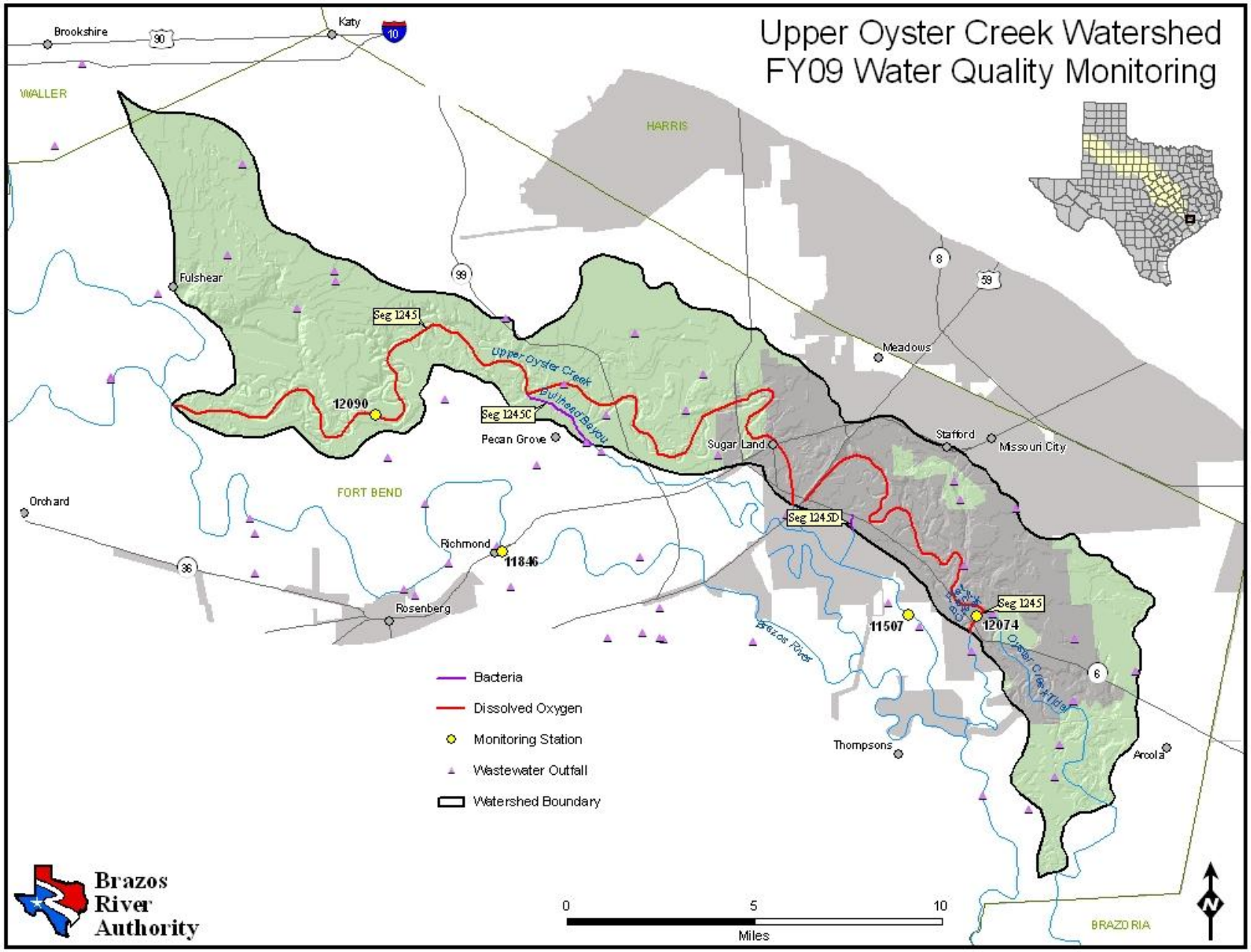
Brazos River Authority



Brazos River Authority



Brazos River Authority



Brazos River Authority

Copy of Handout

Water Bodies Not Meeting State Criteria in the Brazos River Basin

NS indicates a segment is non-supporting or impaired; does not meet applicable water quality standards or is threatened for one or more designated uses by one or more pollutants

CS indicates a segment has a concern for water quality based on screening levels

CN indicates a segment has concern for near-nonattainment of applicable water quality standards

Watershed of the Salt and Double Mountain Forks

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Buffalo Springs Lake	1241C	Reservoir	Nutrients – CS	
North Fork Double Mountain Fork Brazos River	1241A	Perennial	Bacteria – NS Nutrients – CS	
Salt Fork Brazos River	1238	Perennial	Dissolved Solids – NS DO– CS Water Temp. – CN	
White River Lake	1240	Reservoir	Dissolved Solids – NS	
Double Mountain Fork Brazos River	1241	Perennial	Dissolved Solids – NS	
Brazos River Above Possum Kingdom Lake	1208	Perennial	Bacteria – NS Nutrients – CS	

Watershed of the Clear Fork

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Clear Fork Brazos River	1232	Perennial	Nutrients – CS DO – CS	
California Creek	1232A	Perennial	Nutrients – CS	
Deadman Creek	1232B	Intermittent upstream of WWTP discharge, Perennial downstream of WWTP	Bacteria – NS Nutrients – CS	
Big Sandy Creek	1233A	Intermittent with pools	Bacteria – CN	
Lake Stamford	1235	Reservoir	DO – CS	

Brazos River Authority

Upper Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Brazos River Above Possum Kingdom Lake	1208	Perennial	Bacteria – NS Nutrients – CS	
Possum Kingdom Lake	1207	Reservoir	Dissolved Solids – CS	
Brazos River Below Possum Kingdom Lake	1206	Perennial	Dissolved Solids – NS Habitat - CS Macrobenthic Community. – NS	
Lake Granbury	1205	Reservoir	Dissolved Solids – NS	X
Squaw Creek Reservoir	1229A	Reservoir	Nutrients – CS	
Nolan River	1227	Perennial	Nutrients – CS Dissolved Solids – NS	
Whitney Lake	1203	Reservoir	DO – CN Nutrients – CS	

Aquilla Creek Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Aquilla Reservoir	1254	Reservoir	Nutrients – CS Sediment – CS Atrizine – CS	
Brazos River/Lake Brazos	1256	Perennial	Nutrients – CS	

Bosque River Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Upper North Bosque River	1255	Intermittent with pools	Bacteria – NS Nutrient Enrichment – NS Nutrients – CS DO – NS	
Goose Branch	1255A	Intermittent	Bacteria – CN Nutrients – CS	
North Fork Upper North Bosque River	1255B	Intermittent	Bacteria – NS Nutrient – CS	
Scarborough Creek	1255C	Intermittent	Bacteria – NS Nutrients – CS	
South Fork North Bosque River	1255D	Intermittent	Nutrients – CS	
Unnamed Tributary of Goose Branch	1255E	Intermittent	Bacteria – NS	

Brazos River Authority

Unnamed Tributary of Scarborough Creek	1255F	Intermittent	Bacteria – NS	
Woodhollow Branch	1255G	Intermittent	Bacteria – NS	
South Fork Upper North Bosque River Reservoir	1255H	Reservoir	DO – CS	
Goose Branch Reservoir	1255J	Reservoir	Nutrients – CS	
Scarborough Creek Reservoir	1255K	Reservoir	Nutrients – CS	
North Bosque River	1226	Perennial	DO – CN Nutrient Enrichment – NS	
Green Creek	1226B	Intermittent with pools	DO – NS Nutrients – CS	
Indian Creek	1226E	Intermittent	Bacteria – CN Nutrients – CS	
Sims Creek	1226F	Intermittent	Bacteria – NS	
Little Duffau Creek	1226K	Intermittent	Bacteria – NS Nutrients – CS	
Little Green Creek	1226M	Intermittent	Bacteria – CN	
Indian Creek Reservoir	1226N	Reservoir	Nutrients – CS	
Sims Creek Reservoir	1226O	Reservoir	DO – CS Nutrients – CS	
Waco Lake	1225	Reservoir	Nutrients – CS	
Middle Bosque/South Bosque River	1246	Perennial	Nutrients – CS	
Tonk Creek	1246D	Intermittent with pools	Nutrients – CS	
Wasp Creek	1246E	Intermittent	Bacteria – NS Nutrients – CS	

Leon River Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Nolan Creek/South Nolan Creek	1218	Perennial	Bacteria – NS Nutrients – CS	
Leon River Below Belton Lake	1219	Perennial	Nutrients – CS	
Belton Lake	1220	Reservoir	Nutrients – CS	
Cowhouse Creek	1220A	Intermittent with pools	Bacteria – NS	
Leon River Below Proctor Lake	1221	Perennial	Bacteria – NS DO – CS Nutrients – CS	X
Resley Creek	1221A	Intermittent	Bacteria – NS DO – NS Nutrients – CS	X
South Leon River	1221B	Intermittent with pools	Bacteria – NS DO – CS	X

Brazos River Authority

Pecan Creek	1221C	Intermittent with pools	Bacteria – NS	X
Indian Creek	1221D	Perennial	Bacteria – NS DO – CN	X
			Bacteria – NS Nutrients – CN	
Walnut Creek	1221F	Intermittent with pools	Bacteria – NS Nutrients – CS	X
Proctor Lake	1222	Reservoir	Nutrients – CS	
Duncan Creek	1222A	Intermittent with pools	Bacteria – NS Nutrients – CS	
Rush-Copperas Creek	1222B	Intermittent with pools	Bacteria – NS	
Sabana River	1222C	Intermittent	Bacteria – NS	
Sweetwater Creek	1222E	Intermittent	Bacteria – NS	
Leon River Below Leon Reservoir	1223	Intermittent with pools	Bacteria – NS[1] DO – NS Nutrients – CS	
Armstrong Creek	1223A	Intermittent	Bacteria – NS	
Leon Reservoir	1224	Reservoir	Sediment – CS	

Lampasas River Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Lampasas River Above Stillhouse Hollow Lake	1217	Perennial	Bacteria – NS	
North Fork Rocky Creek	1217D	Intermittent with pools	DO – NS	
Salado Creek	1243	Perennial	Nutrients – CS	

Little River Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Little River	1213	Perennial	Bactria – NS Nutrients – CS Atrazine – CS	
San Gabriel River	1214	Perennial	Bacteria – NS Dissolved Solids – NS Nutrients – CS	X
Brushy Creek	1244	Perennial	Bacteria – NS Nutrients – CS	
Brushy Creek Above South Brushy Creek	1244A	Perennial	Nutrients – CS	
South Brushy Creek	1244D	Perennial	Nutrients – CS	
Granger Lake	1247	Reservoir	Nutrients – CS	X

Brazos River Authority

Willis Creek	1247A	Perennial	Bacteria – NS Nutrients – CS	
Huddleston Branch	1248B	Intermittent	Bacteria – CN Nutrients – CS	
Mankins Branch	1248C	Perennial	Bacteria – NS Nutrients – CS	
South Fork San Gabriel River	1250	Intermittent with pools	DO – CS	

Central Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Brazos River Above Navasota River	1242	Perennial	Bacteria – NS	
Marlin City Lake System	1242A	Reservoir	Nutrients – CS DO(grab) – CS	
Cottonwood Branch	1242B	Intermittent upstream of permitted outfall, Perennial downstream of outfall	Bacteria – NS Nutrients – CS	
Still Creek	1242C	Perennial due to wastewater discharge	Bacteria – NS Nutrients – CS	
Thompson Creek	1242D	Intermittent upstream of WWTP discharge, Perennial downstream of WWTP	Bacteria – NS Nutrients – CS DO – NS	X
Pond Creek	1242F	Perennial	Bacteria – CN Nutrients – CS	
Campbells Creek	1242I	Intermittent	Bacteria – NS	X
Deer Creek	1242J	Intermittent with pools	Bacteria – NS Nutrients – CS	X
Mud Creek	1242K	Intermittent with pools	Bacteria – NS	X
Pin Oak Creek	1242L	Intermittent with pools	Bacteria – NS	X
Spring Creek	1242M	Perennial	Bacteria - NS	X
Tehuacana Creek	1242N	Intermittent with pools	Bacteria – NS	X
Walnut Creek	1242O	Perennial	Bacteria – NS	X
Big Creek	1242P	Intermittent	Bacteria – NS	

Brazos River Authority

Navasota River Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Navasota River Below Lake Limestone	1209	Perennial	Bacteria – NS Nutrients – CS	
Country Club Lake	1209A	Reservoir	Nutrients – CS Sediment – NS	
Fin Feather Lake	1209B	Reservoir	Nutrients – CS Sediment – NS	
Carters Creek	1209C	Perennial	Bacteria – NS Nutrients – CS	
Country Club Branch	1209D	Intermittent with pools	Bacteria – NS	
Wickson Creek	1209E	Intermittent with pools	Bacteria – NS	
Cedar Creek	1209G	Perennial	Bacteria – NS DO – CS	X
Duck Creek	1209H	Perennial	Bacteria – NS DO – CS	
Gibbons Creek	1209I	Perennial	Bacteria – NS	X
Shepherd Creek	1209J	Intermittent	Bacteria – NS DO – CN	
Steele Creek	1209K	Intermittent	Bacteria – NS	
Burton Creek	1209L	Intermittent with pools upstream of WWTP discharge, Perennial downstream of WWTP	Bacteria – NS Nutrients – CS	
Lake Mexia	1210	Reservoir	Nutrients – CS	
Navasota River Above Lake Mexia	1210A	Intermittent	Bacteria – NS	
Lake Limestone	1252	Reservoir	DO – CS Nutrients – CS	
Navasota River Below Mexia	1253	Perennial	DO – CS Nutrients – CS	
Springfield Lake	1253A	Reservoir	DO(24hr min.) – CN Nutrients – CS	

Brazos River Authority

Yegua Creek Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Davidson Creek	1211A	Intermittent with pools	Bacteria – NS	
Somerville Lake	1212	Reservoir	DO – NS High pH – CN Nutrients – CS	X
East Yegua Creek	1212B	Perennial	Bacteria – NS	

Lower Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Brazos River Tidal	1201	Tidal	Nutrients – CS	
Allen's Creek	1202H	Intermittent with pools	Bacteria – NS DO – CS Nutrient – CS	
Big Creek	1202J	Intermittent	Bacteria – NS Fish Community – NS Habitat – CS Nutrients – CS	
Mill Creek	1202K	Perennial	Fish Community – CN	

Upper Oyster Creek Watershed

Water Body	Segment	Flow Status	Parameter(s) Impairment and/or Concern	Special Study
Upper Oyster Creek	1245	Perennial	Bacteria - NS DO – NS Nutrients – CS	
Brown's Bayou	1245B	Intermittent with pools	Bacteria – CN	
Bullhead Bayou	1245C	Intermittent with pools	Bacteria – NS	
Unnamed Tributary of Bullhead Bayou	1245D	Intermittent with pools	Bacteria – NS	

Brazos River Authority

Brazos
River
Authority