

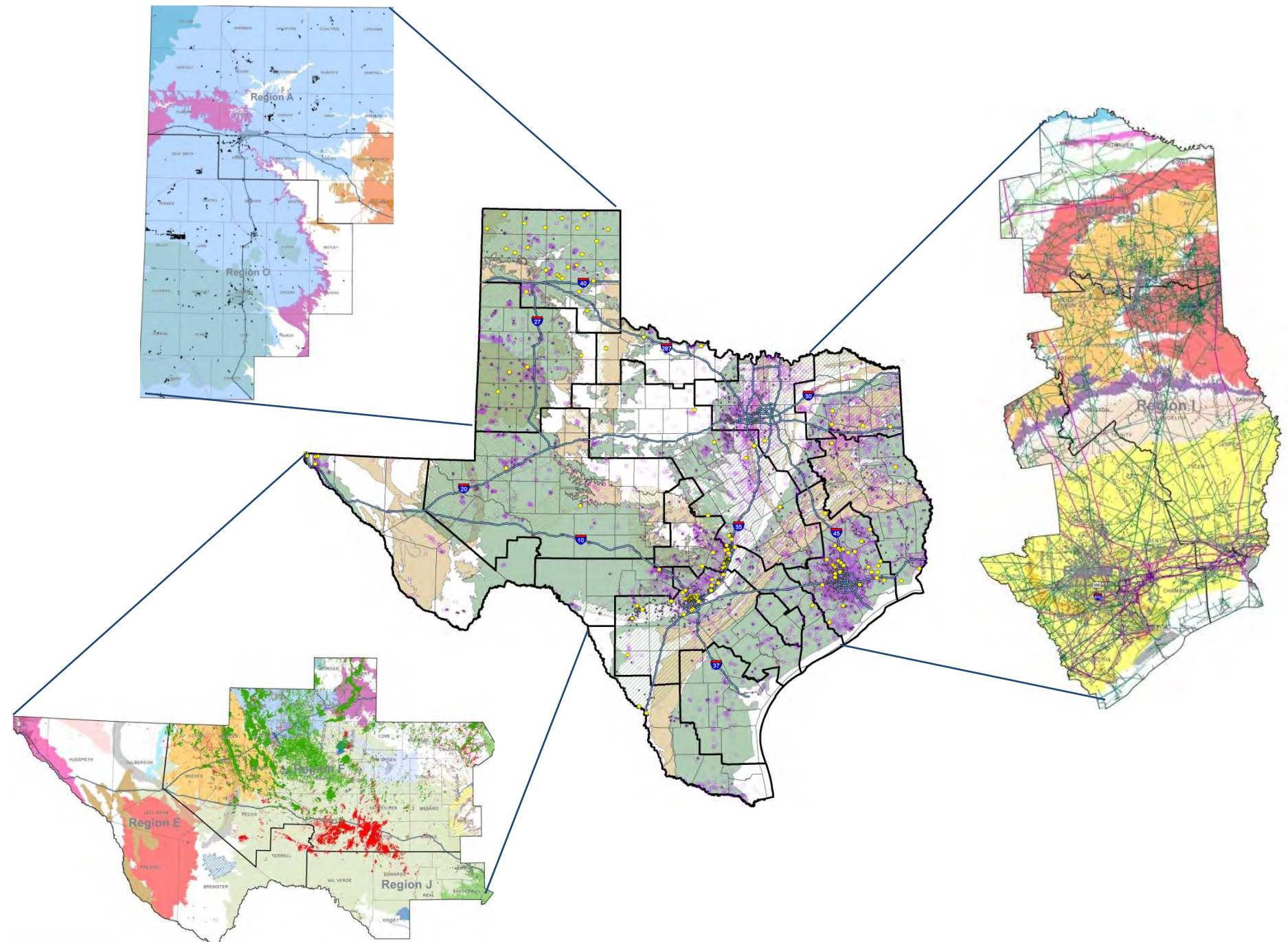
Anthropogenic Groundwater Contamination in Texas Aquifers

Volume II (Plates)

By
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Prepared for the
Texas Water Development Board
P.O. Box 13231, Capitol Station
Austin, Texas 78711-3231
August 2011



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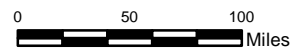
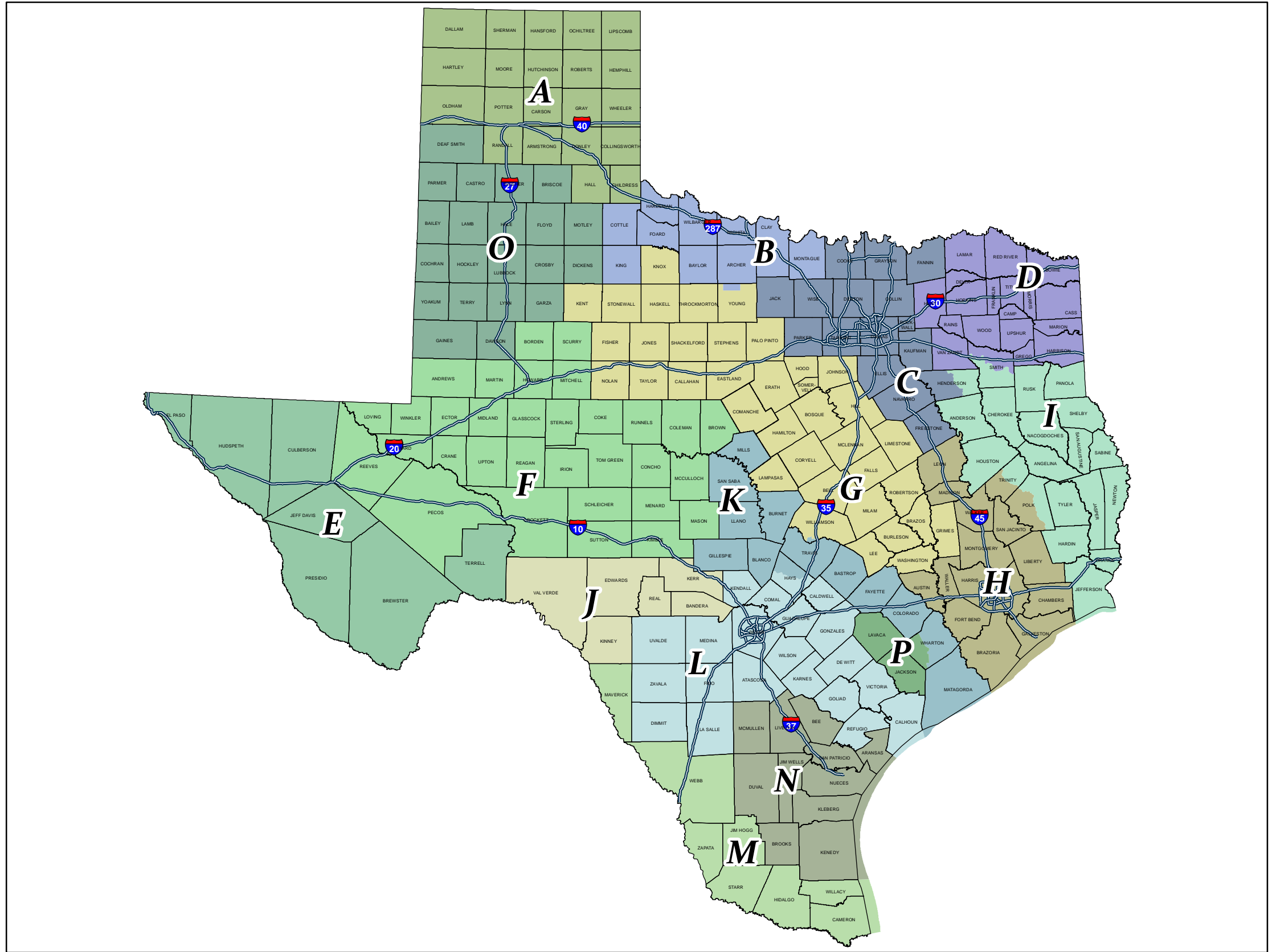
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Texas RWPGs

- A, Panhandle
- B, Region B
- C, Region C
- D, North East Texas
- E, Far West Texas
- F, Region F
- G, Brazos G
- H, Region H
- I, East Texas
- J, Plateau
- K, Lower Colorado
- L, South Central Texas
- M, Rio Grande
- N, Coastal Bend
- O, Llano Estacado
- P, Lavaca



(Data from Texas Water Development Board)

Texas Regional Water Planning Groups

Explanation

- Interstate Hwy
- Counties

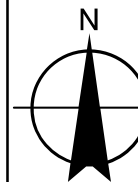















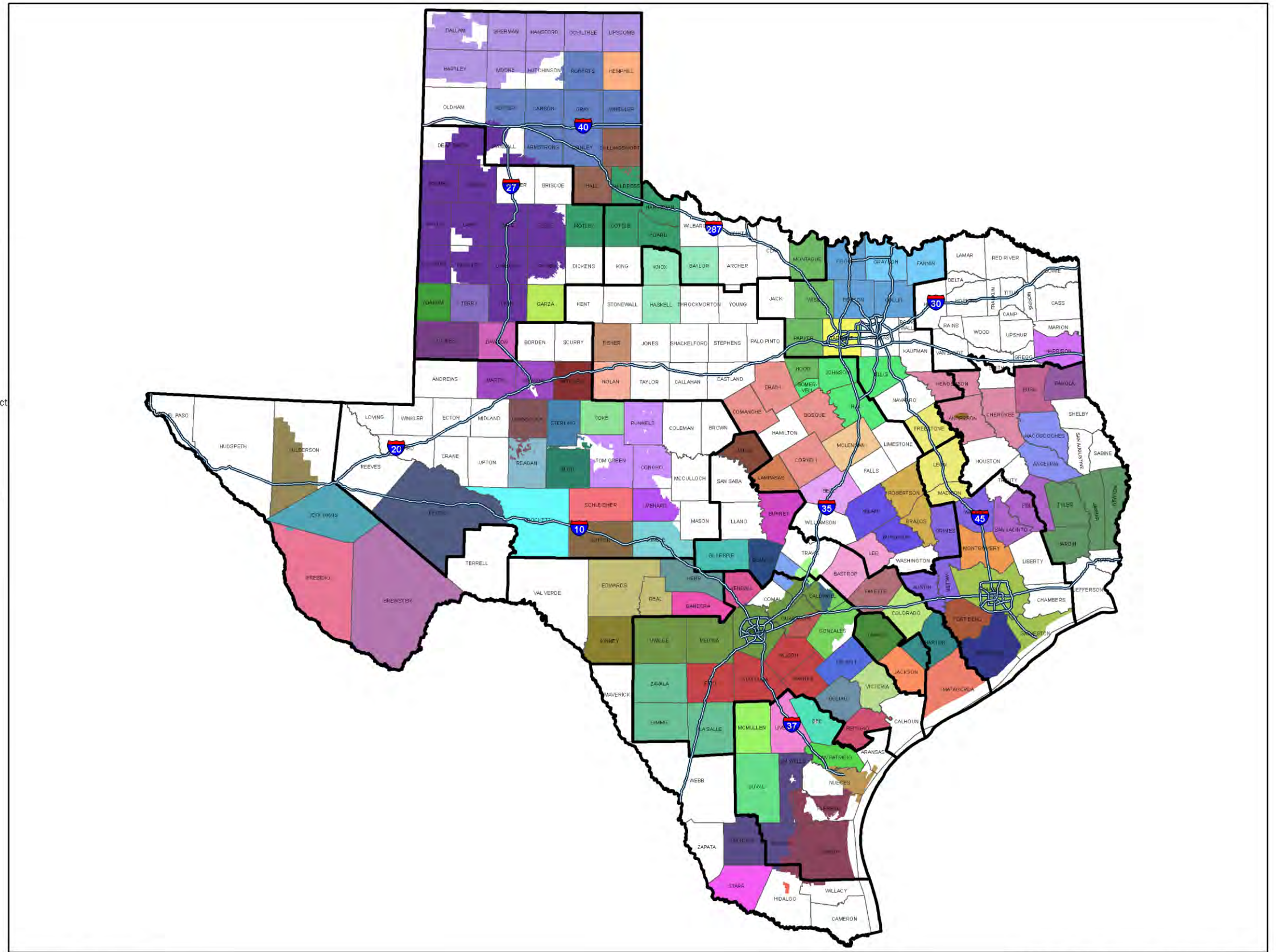


Plate 1

Texas GCDs




- | | |
|--|---|
|  A. Harris-Galveston Coastal Subsidence District |  50. Lost Pines GCD |
|  B. Fort Bend Subsidence District |  51. Lower Trinity GCD |
|  1. Anderson County UWCD |  52. McMullen GCD |
|  2. Bandera County River Authority & Ground Water District |  53. Medina County GCD |
|  3. Barton Springs/Edwards Aquifer CD |  54. Menard County UWD |
|  4. Bee GCD |  55. Mesa UWCD |
|  5. Blanco-Pedernales GCD |  56. Mesquite GCD |
|  6. Bluebonnet GCD |  57. Mid-East Texas GCD |
|  7. Brazoria County GCD |  58. Middle Pecos GCD |
|  8. Brazos Valley GCD |  59. Middle Trinity GCD |
|  9. Brewster County GCD |  60. Neches & Trinity Valleys GCD |
|  10. Brush Country GCD |  61. North Plains GCD |
|  11. Central Texas GCD |  62. North Texas GCD |
|  12. Clear Fork GCD |  63. Northern Trinity GCD |
|  13. Clearwater UWCD |  64. Panhandle GCD |
|  14. Coastal Bend GCD |  65. Panola County GCD |
|  15. Coastal Plains GCD |  66. Pecan Valley GCD |
|  16. Coke County UWCD |  67. Permian Basin UWCD |
|  17. Colorado County GCD |  68. Pineywoods GCD |
|  18. Corpus Christi ASRCD |  69. Plateau UWC and Supply District |
|  19. Cow Creek GCD |  70. Plum Creek CD |
|  20. Crockett County GCD |  71. Post Oak Savannah GCD |
|  21. Culberson County GCD |  72. Prairelands GCD |
|  22. Duval County GCD |  73. Presidio County UWCD |
|  23. Edwards Aquifer Authority |  74. Real-Edwards C and R District |
|  24. Evergreen UWCD |  75. Red River GCD |
|  25. Fayette County GCD |  76. Red Sands GCD |
|  26. Fox Crossing Water District |  77. Refugio GCD |
|  27. Garza County UWCD |  78. Rolling Plains GCD |
|  28. Gateway GCD |  79. Rusk County GCD |
|  29. Glasscock GCD |  80. San Patricio County GCD |
|  30. Goliad County GCD |  81. Sandy Land UWCD |
|  31. Gonzales County UWCD |  82. Santa Rita UWCD |
|  32. Guadalupe County GCD |  83. Saratoga UWCD |
|  33. Hays Trinity GCD |  84. South Plains UWCD |
|  34. Headwaters GCD |  85. Southeast Texas GCD |
|  35. Hemphill County UWCD |  86. Southern Trinity GCD |
|  37. High Plains UWCD No.1 |  87. Starr County GCD |
|  38. Hill Country UWCD |  88. Sterling County UWCD |
|  40. Irion County WCD |  89. Sutton County UWCD |
|  41. Jeff Davis County UWCD |  90. Texana GCD |
|  42. Kenedy County GCD |  91. Trinity Glen Rose GCD |
|  43. Kimble County GCD |  92. Upper Trinity GCD |
|  44. Kinney County GCD |  93. Uvalde County UWCD |
|  45. Lipan-Kickapoo WCD |  94. Victoria County GCD |
|  46. Live Oak UWCD |  95. Wes-Tex GCD |
|  47. Llano Estacado UWCD |  96. Wintergarden GCD |
|  48. Lone Star GCD |  97. Harrison County GCD |
|  49. Lone Wolf GCD |  98. Lavaca County GCD |



(Data from Texas Commission on Environmental Quality)

Texas Groundwater Conservation Districts

Explanation

-  Interstate Hwy
-  Regional Water Planning Groups
-  Counties

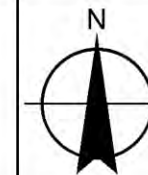
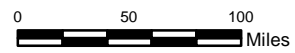
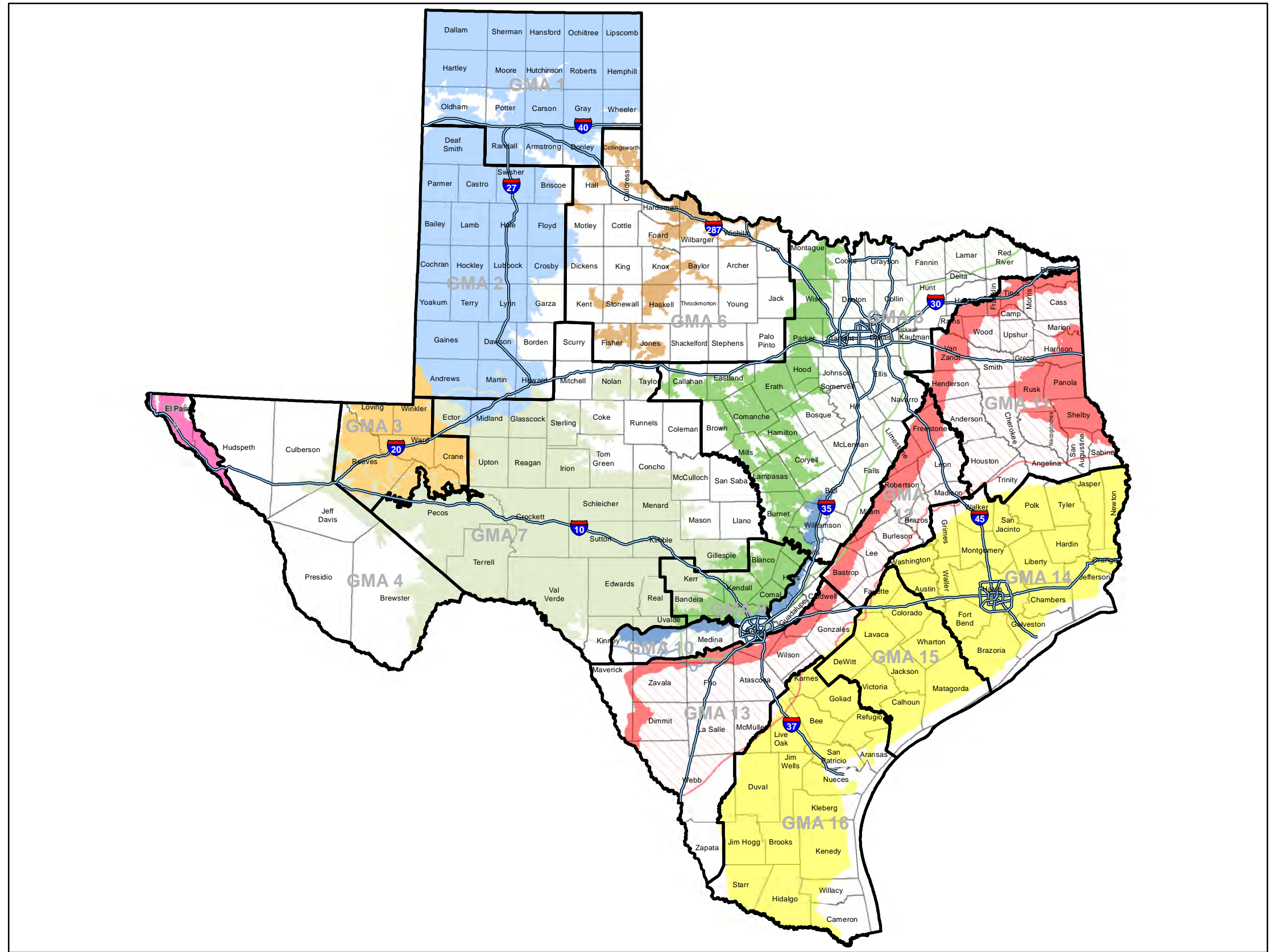


Plate 2

Texas Major Aquifers




-  Pecos Valley
-  Seymour
-  Gulf Coast
-  Carrizo-Wilcox (outcrop)
-  Carrizo-Wilcox (subcrop/confined)
-  Hueco - Mesilla Bolson
-  Ogallala
-  Edwards - Trinity Plateau (outcrop)
-  Edwards - Trinity Plateau (subcrop/confined)
-  Edwards BFZ (outcrop)
-  Edwards BFZ (subcrop/confined)
-  Trinity (outcrop)
-  Trinity (subcrop/confined)



(Data from Texas Water Development Board)

Major Aquifers of Texas

Explanation

-  Interstate Hwy
-  Groundwater Management Areas
-  Counties

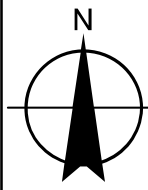
































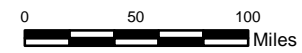
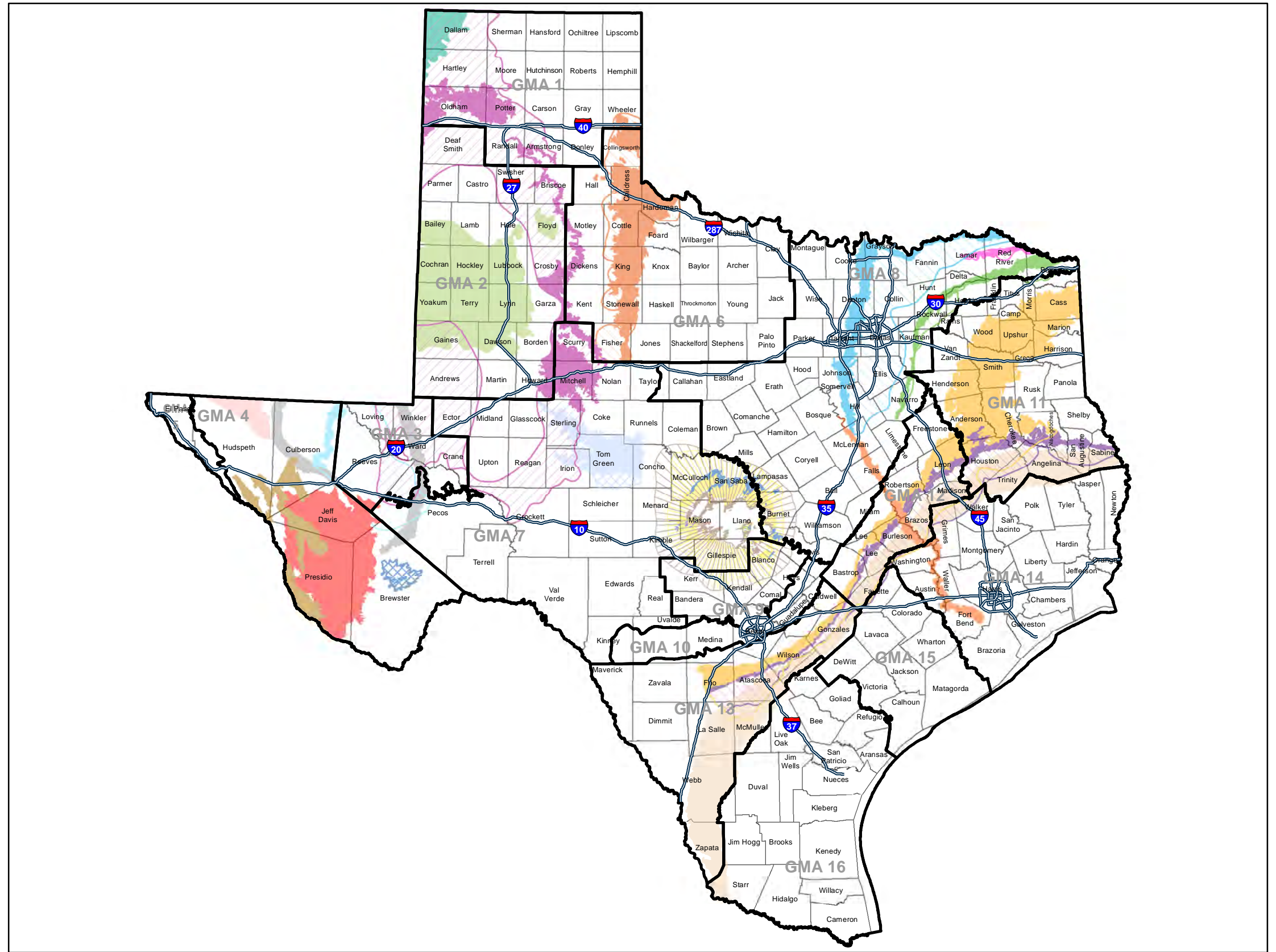


Plate 3

Texas Minor Aquifers




-  Brazos River Alluvium
-  West Texas Bolsons
-  Lipan (outcrop)
-  Lipan (subcrop/confined)
-  Yegua Jackson
-  Igneous
-  Sparta (outcrop)
-  Sparta (subcrop/confined)
-  Queen City (outcrop)
-  Queen City (subcrop/confined)
-  Nacatoch (outcrop)
-  Nacatoch (subcrop/confined)
-  Blossom (outcrop)
-  Blossom (subcrop/confined)
-  Woodbine (outcrop)
-  Woodbine (subcrop/confined)
-  Rita Blanca
-  Edwards - Trinity (High Plains)
-  Dockum (outcrop)
-  Dockum (subcrop/confined)
-  Rustler (outcrop)
-  Rustler (subcrop/confined)
-  Capitan Reef Complex
-  Blaine (outcrop)
-  Blaine (subcrop/confined)
-  Bone Spring - Victorio Park
-  Marble Falls
-  Marathon
-  Ellenburger - San Saba (outcrop)
-  Ellenburger - San Saba (subcrop/confined)
-  Hickory (outcrop)
-  Hickory (subcrop/confined)



(Data from Texas Water Development Board)

Minor Aquifers of Texas

Explanation

-  Interstate Hwy
-  Groundwater Management Areas
-  Counties

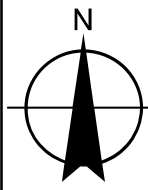
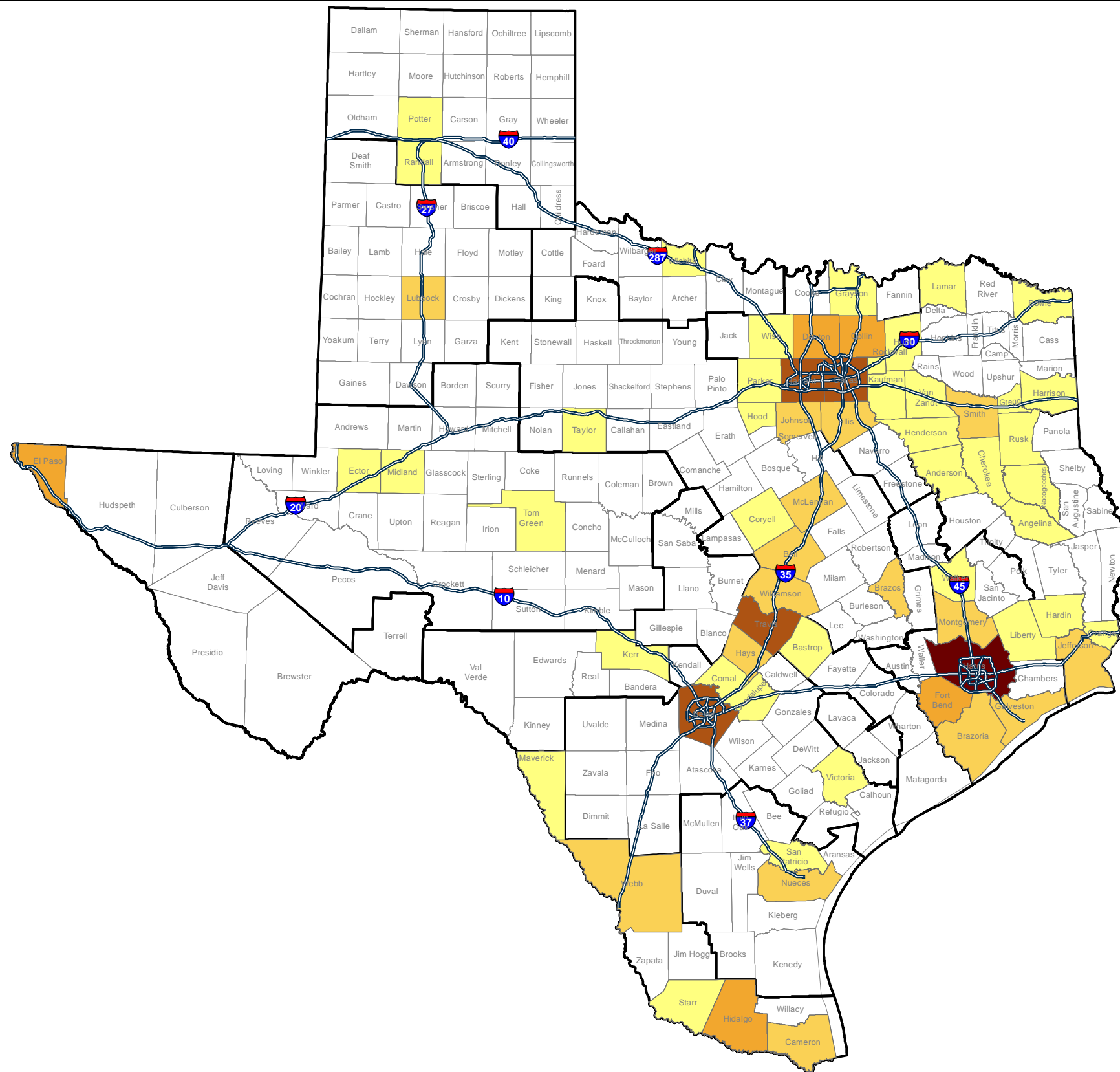
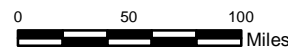


Plate 4



Population by County

- Less than 50,000
- 50,000 - 150,000
- 150,001 - 500,000
- 500,001 - 1,000,000
- 1,000,001 - 2,500,000
- 2,500,001 - 4,123,317



(Data from 2010 Census)

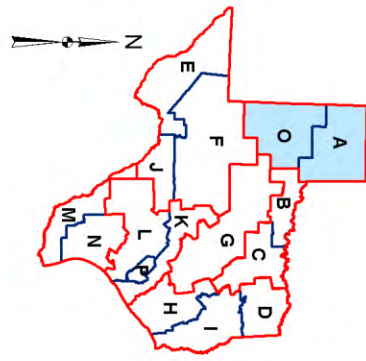
Texas Population Distribution

Explanation

- Interstate Hwy
- Regional Water Planning Groups
- Counties

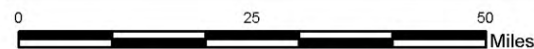
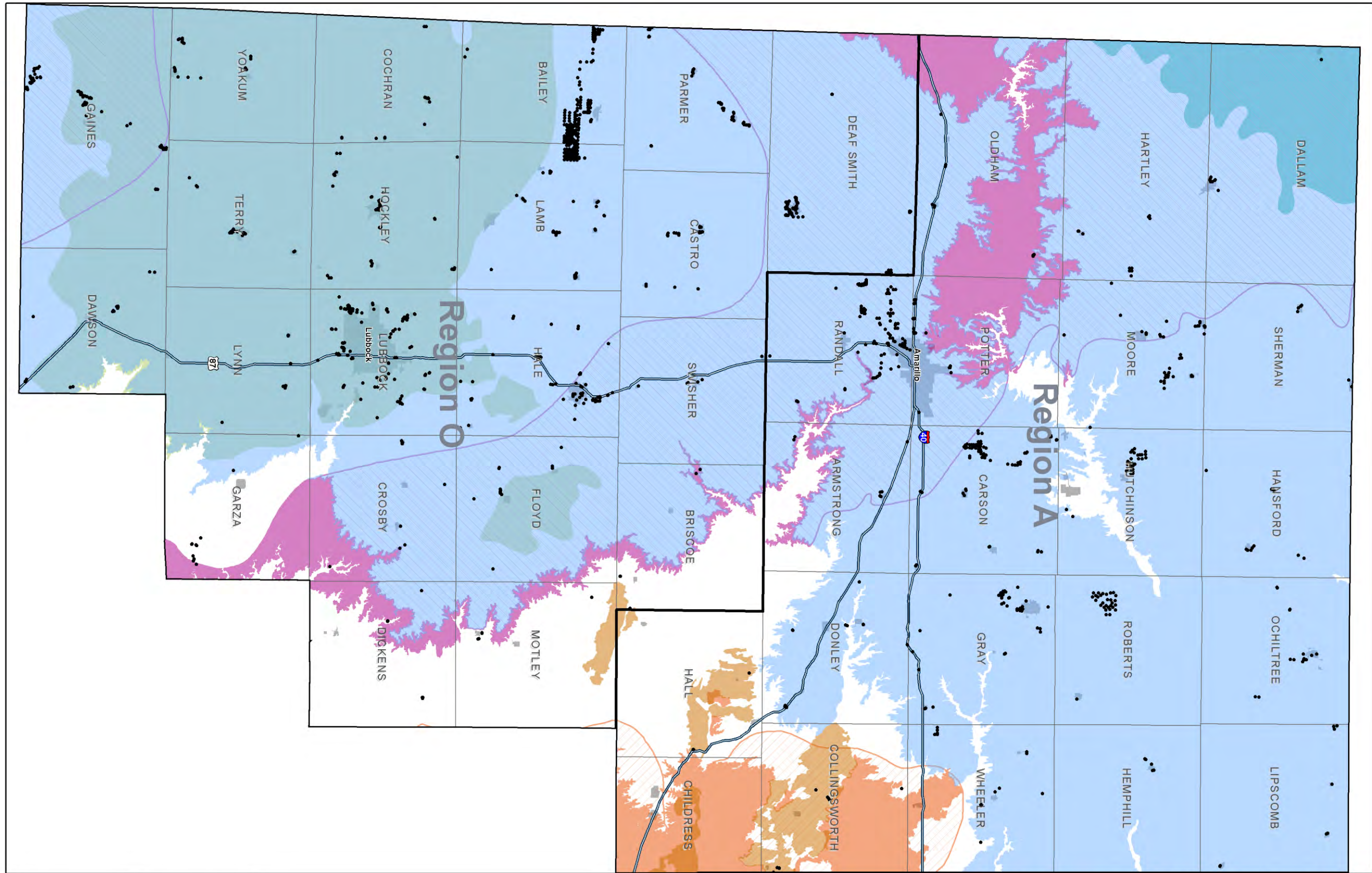


Plate 5



Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

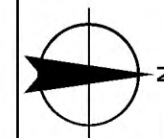


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Operational Texas Public
Water Supply Wells**
Regions A and O

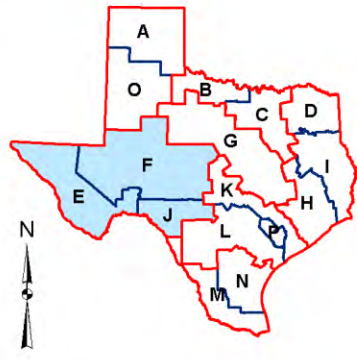
Explanation

- Public Water Supply Wells
- Counties
- Regional Water Planning Groups
- Cities
- Major Highway



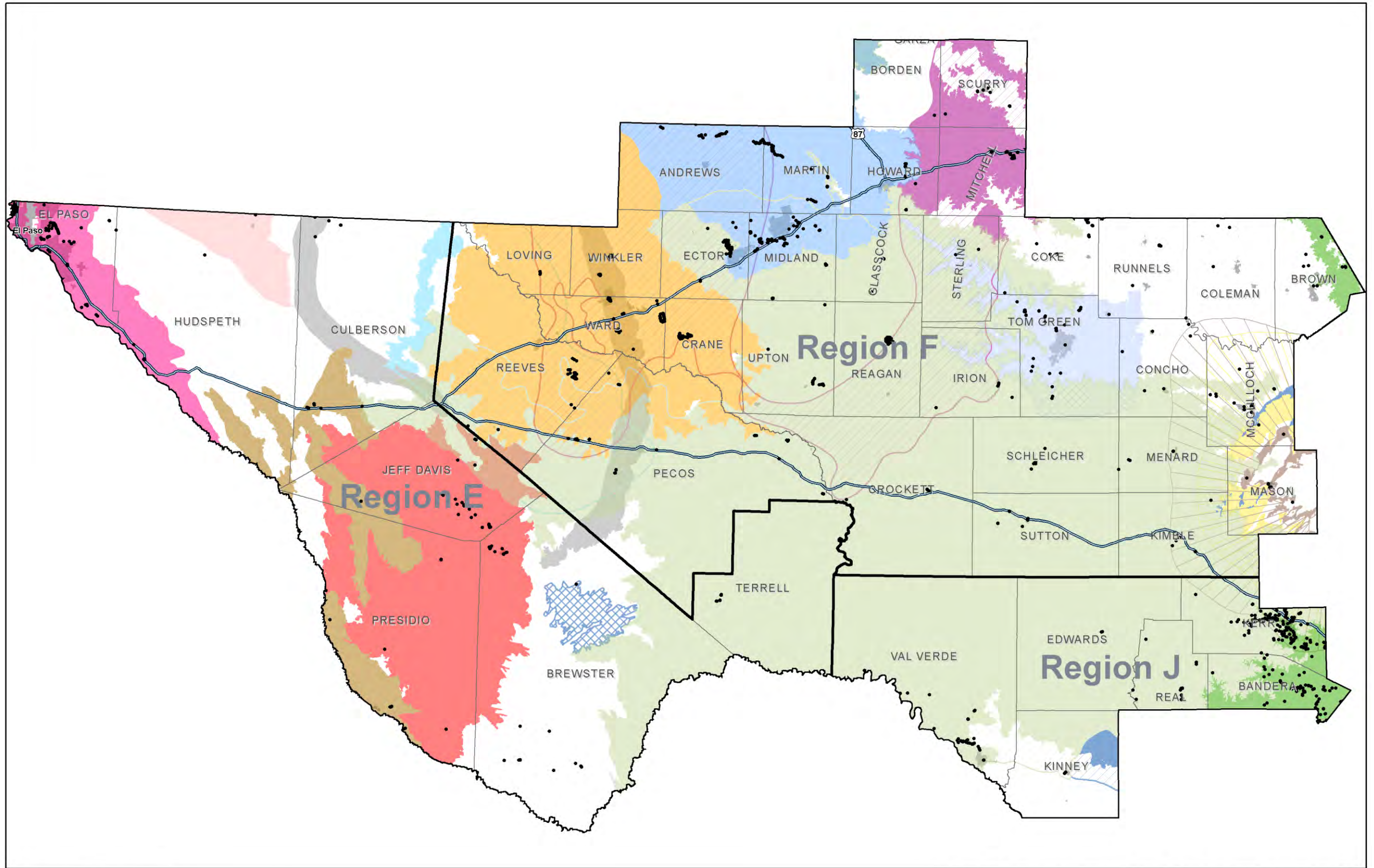
LBG-GUYTON ASSOCIATES

Plate 6



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Operational Texas Public Water Supply Wells

Regions E, F, and J

Explanation

- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Counties
- Cities

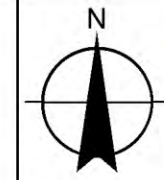
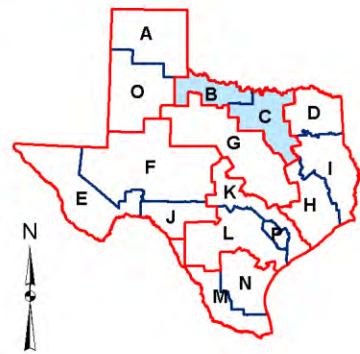
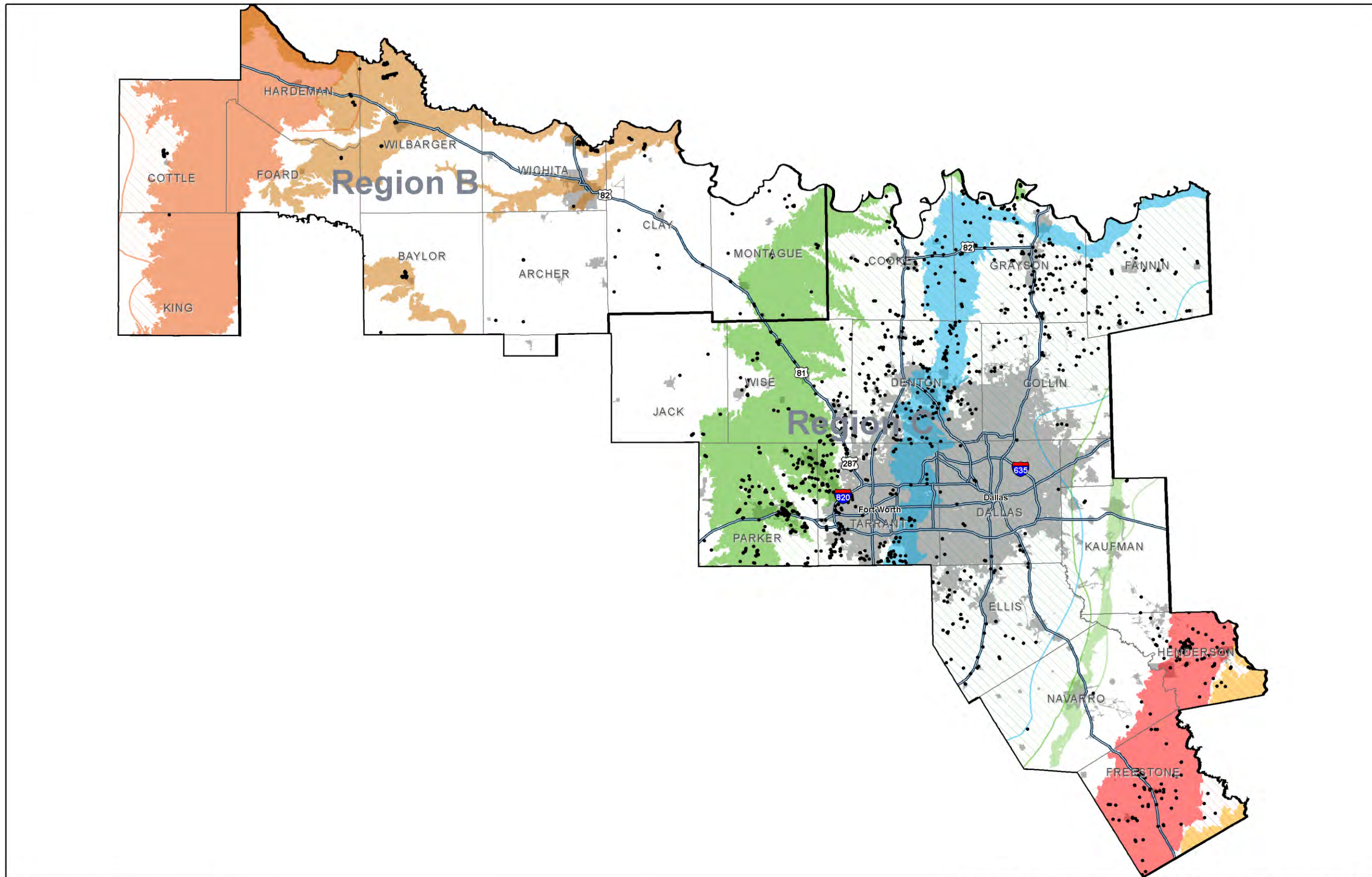


Plate 7



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



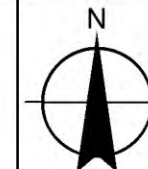
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

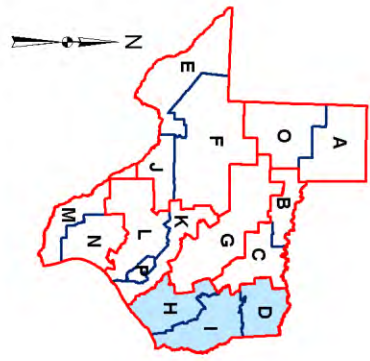
Operational Texas Public Water Supply Wells

Regions B and C

Explanation

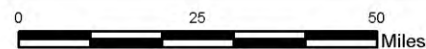
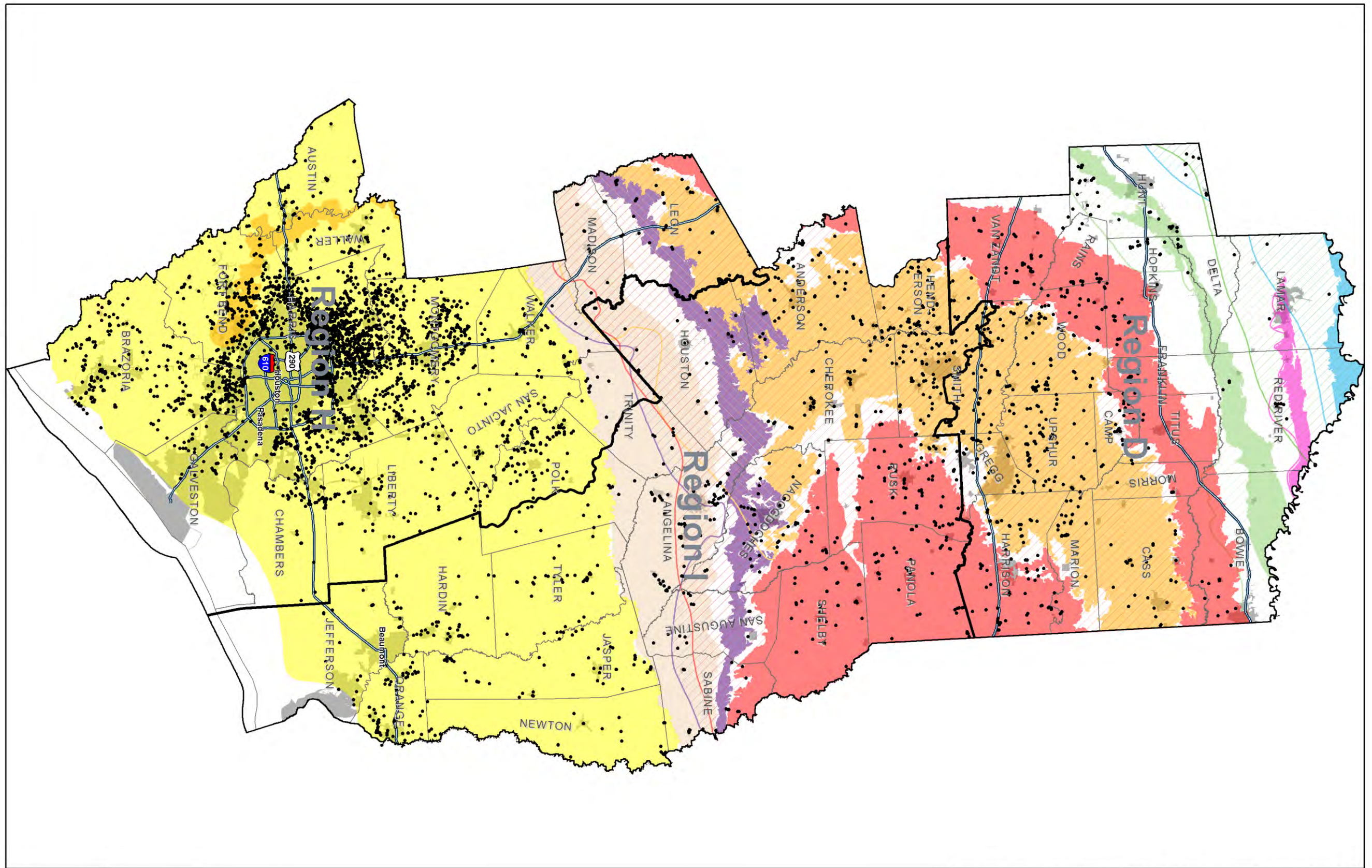
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Counties
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)

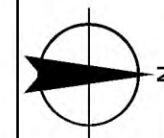


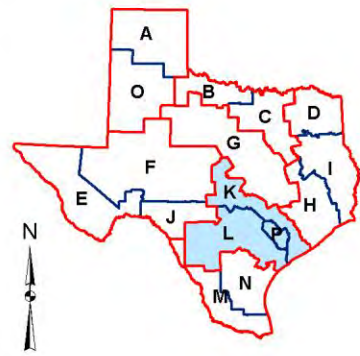
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Operational Texas Public
Water Supply Wells**
Regions D, H, and I

Explanation

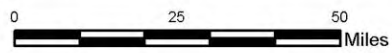
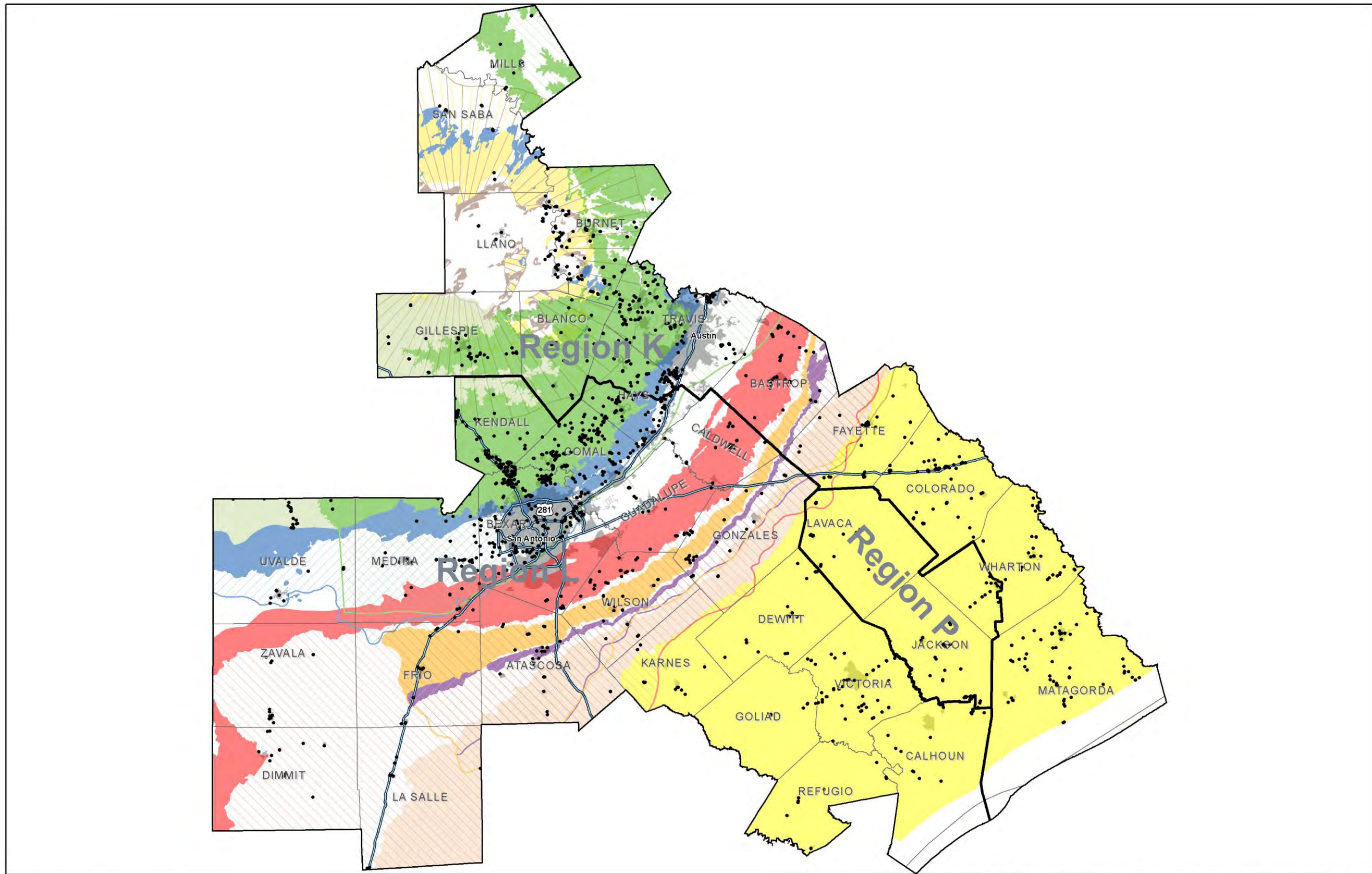
- Public Water Supply Wells
- Counties
- Regional Water Planning Groups
- Cities
- Major Highway





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

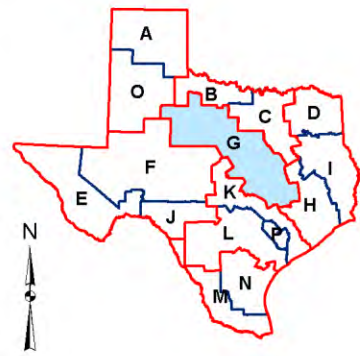


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Operational Texas Public
Water Supply Wells**
Regions K, L, and P

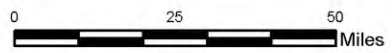
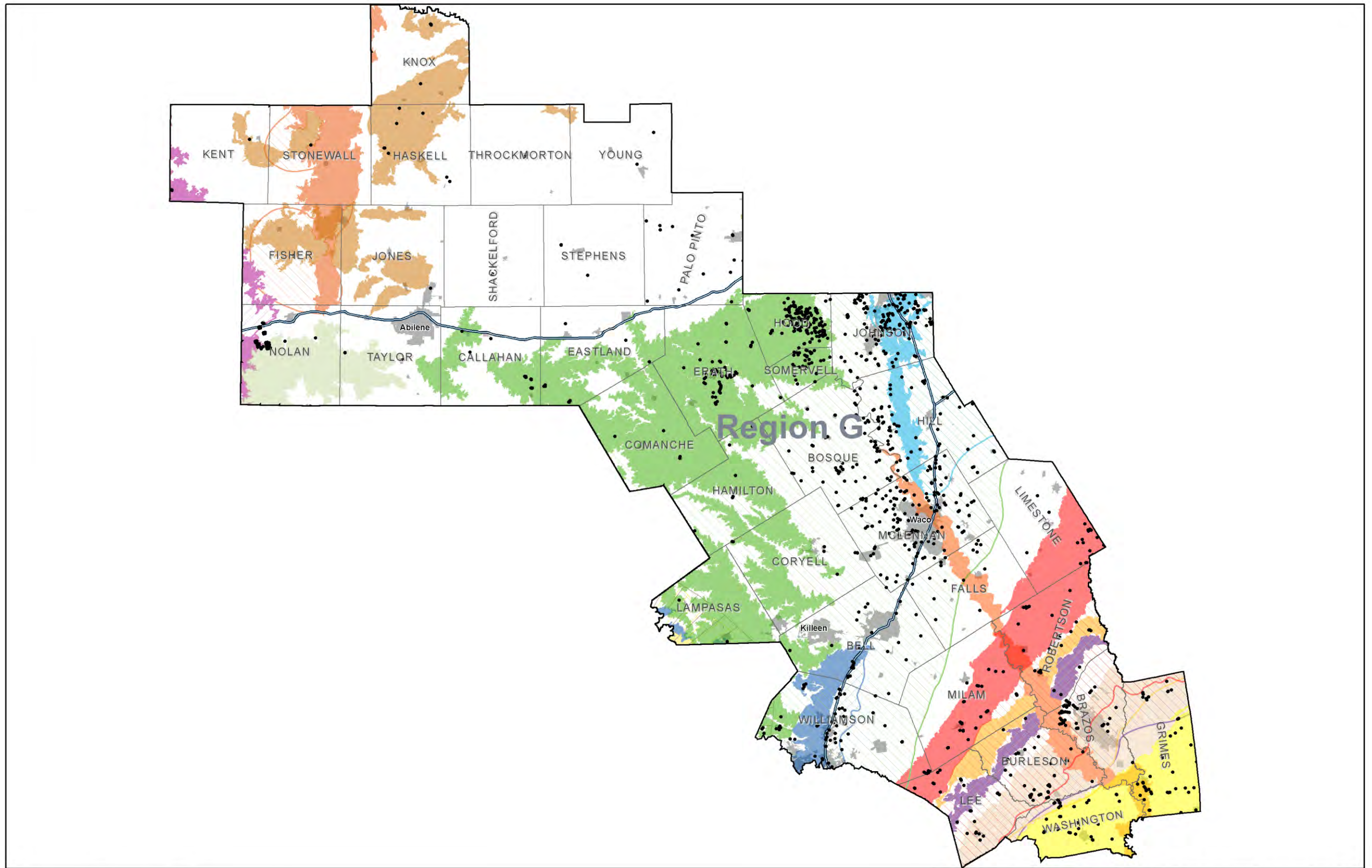
- Explanation**
- Public Water Supply Wells
 - Regional Water Planning Groups
 - Major Highway
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)

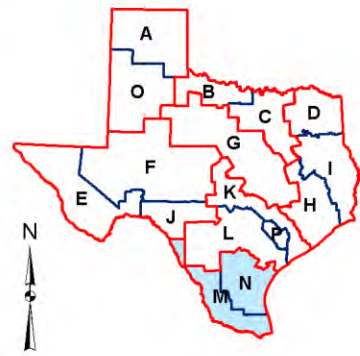


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Operational Texas Public
Water Supply Wells**
Regions G

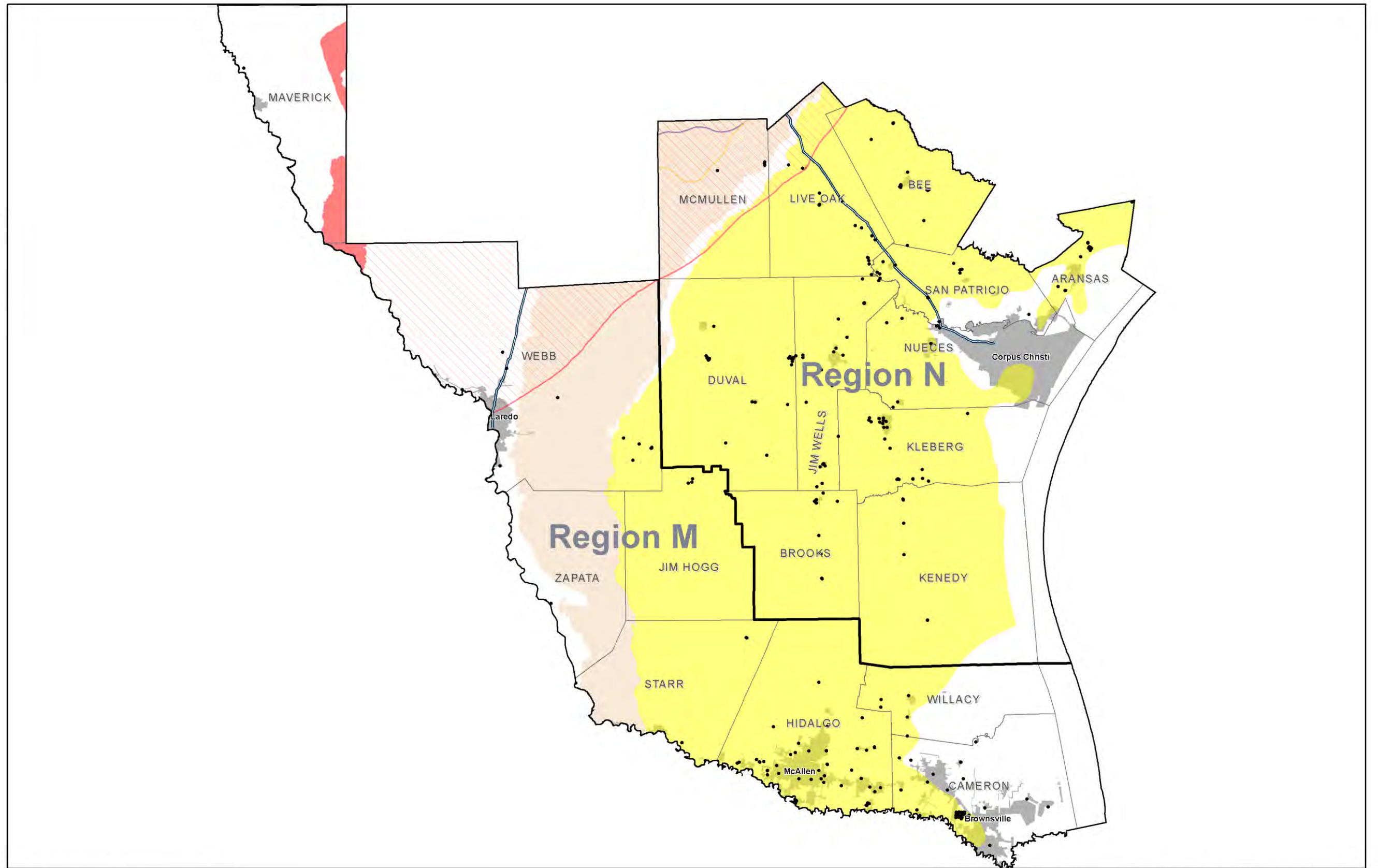
- Explanation**
- Public Water Supply Wells
 - Regional Water Planning Groups
 - Major Highway
 - Counties
 - Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

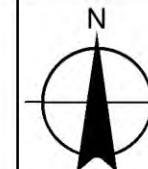


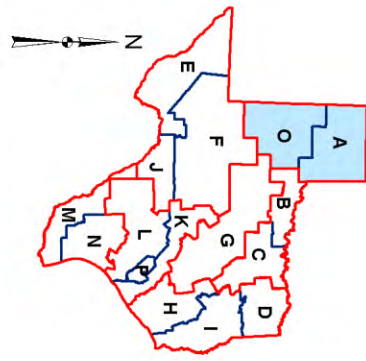
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Operational Texas Public
Water Supply Wells**
Regions M and N

Explanation

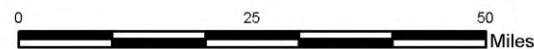
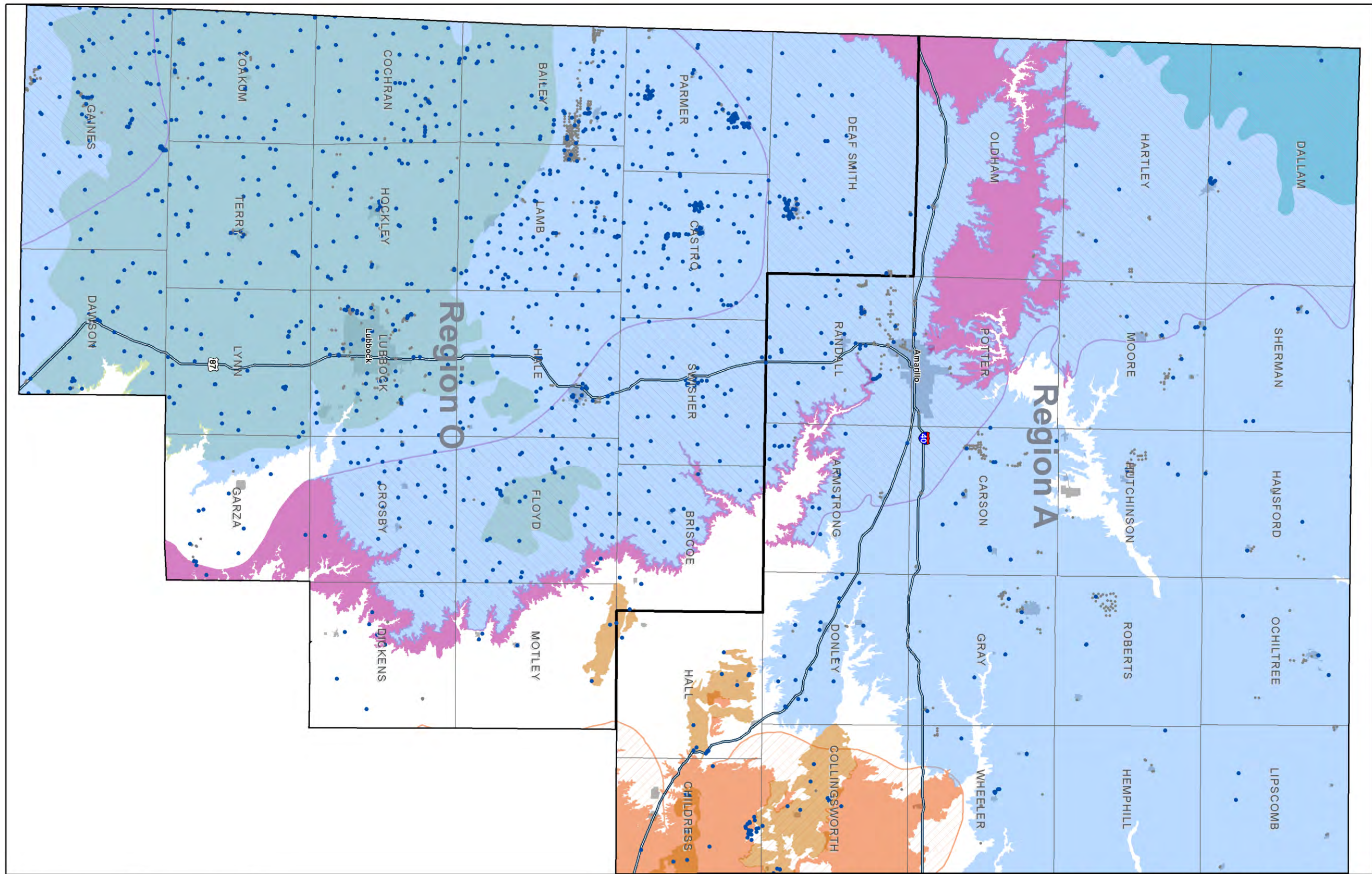
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Counties
- Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

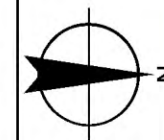


(Data from Texas Commission on Environmental Quality, 2010, USGS, 2010, EPA, 2010, and Texas Water Development Board, 2010)

**Groundwater Quality
Data Locations**
Regions A and O

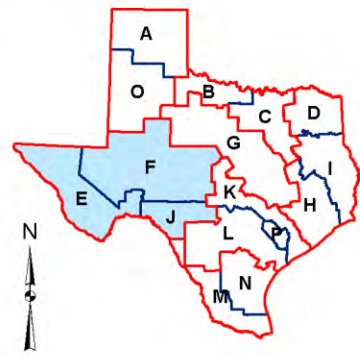
Explanation

- Test Well Location
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Cities



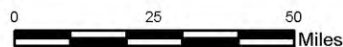
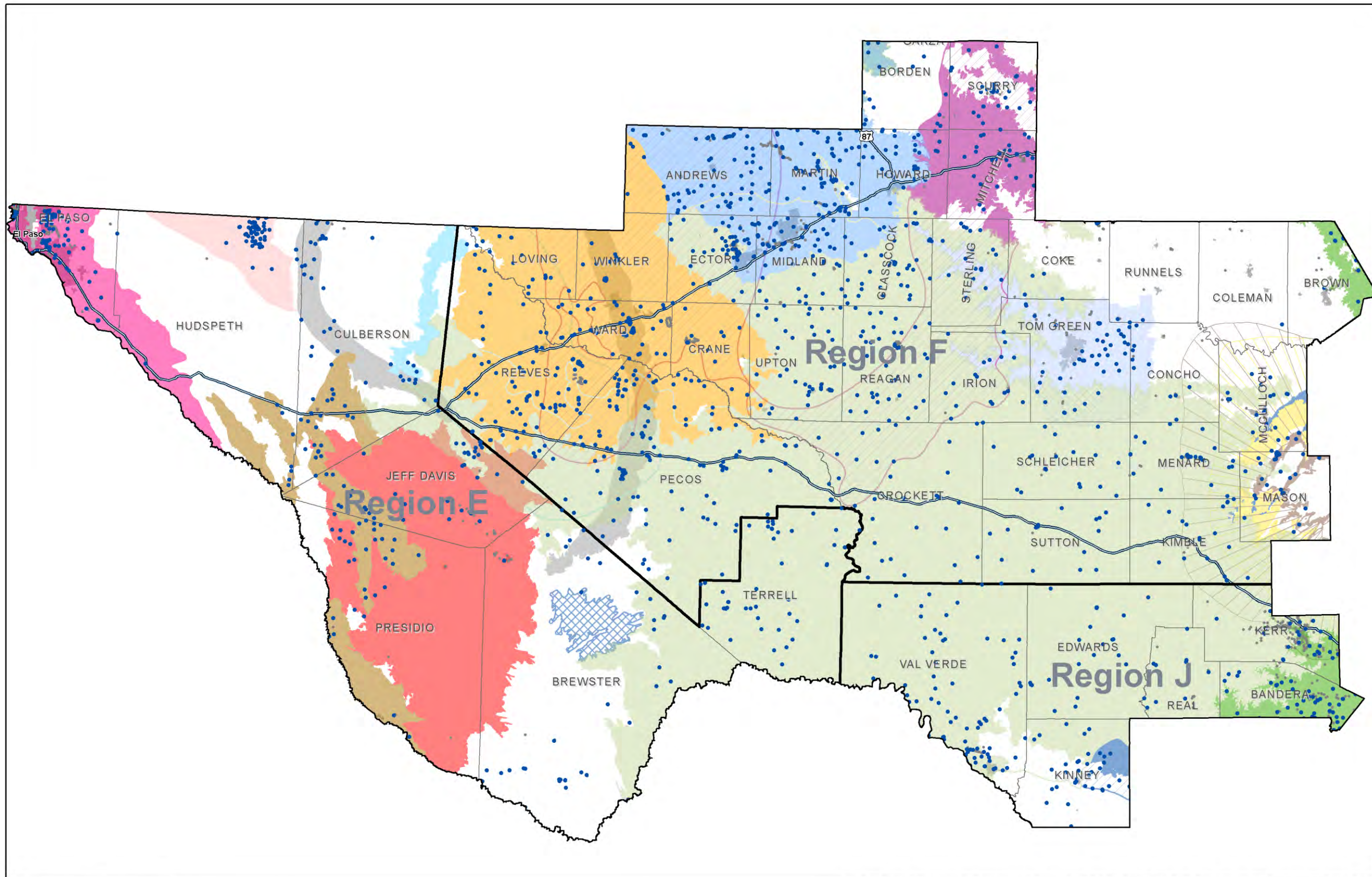
LBG-GUYTON ASSOCIATES

Plate 13



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, USGS, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data Locations

Regions E, F, and J

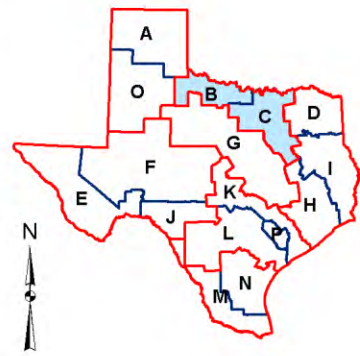
Explanation

- Test Well Location
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities



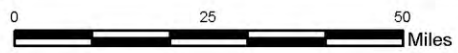
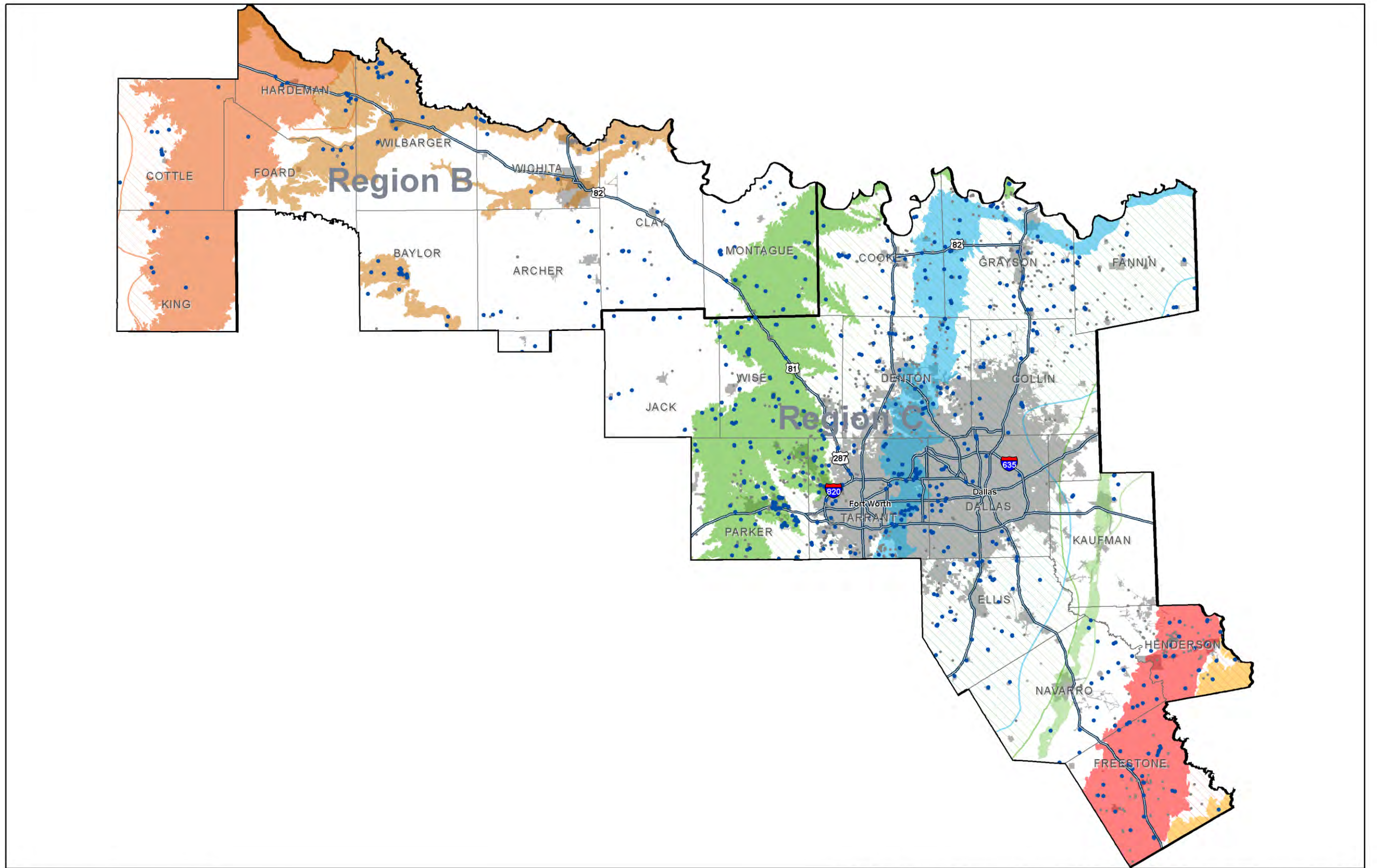
LBG-GUYTON ASSOCIATES

Plate 14



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

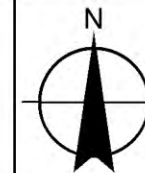


(Data from Texas Commission on Environmental Quality, 2010, USGS, 2010, EPA, 2010, and Texas Water Development Board, 2010)

**Groundwater Quality
Data Locations**
Regions B and C

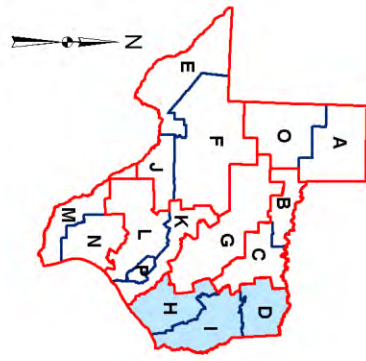
Explanation

- Test Well Location
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities



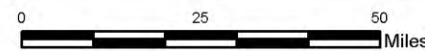
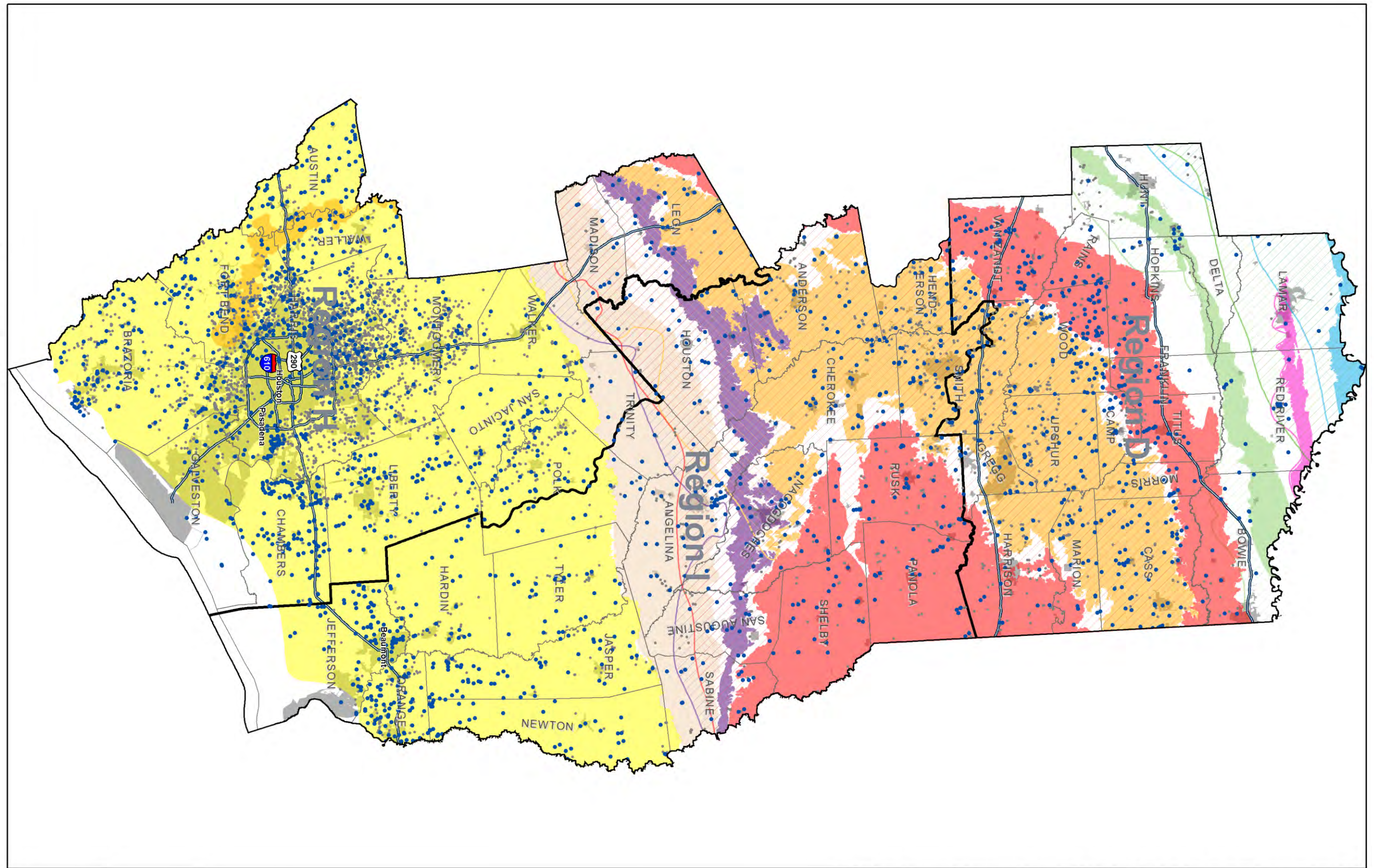
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Plate 15



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, USGS, 2010, EPA, 2010, and Texas Water Development Board, 2010)

**Groundwater Quality
Data Locations**
Regions D, H, and I

Explanation

- Test Well Location
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Cities
- Major Highway

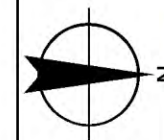
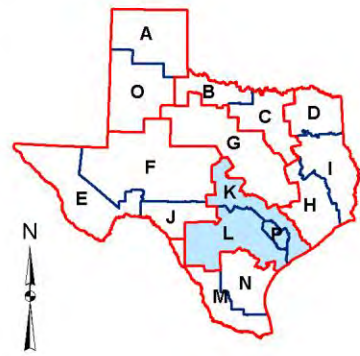
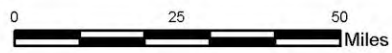
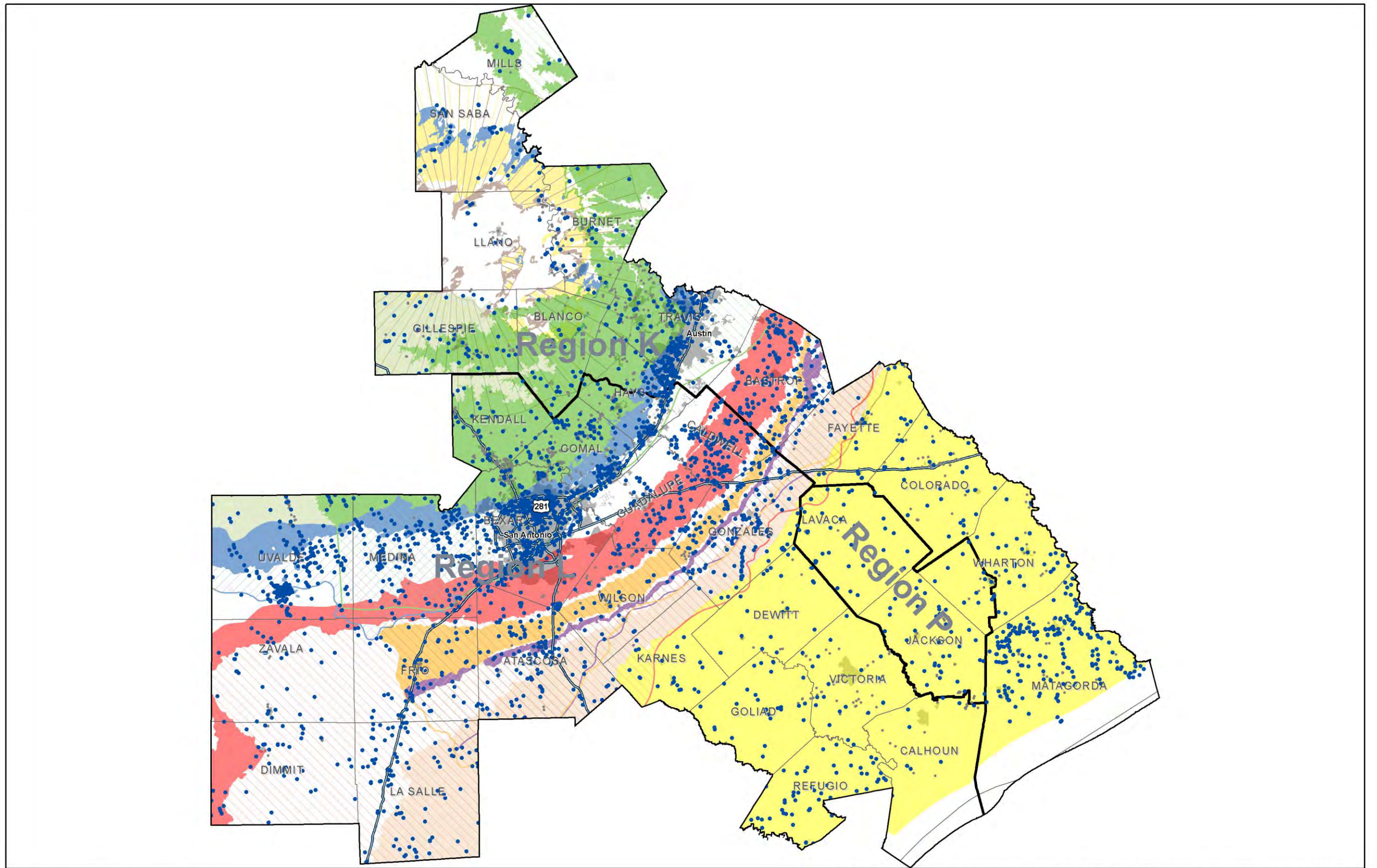


Plate 16



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

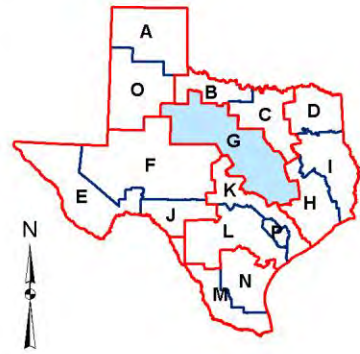


(Data from Texas Commission on Environmental Quality, 2010, USGS, 2010, EPA, 2010, and Texas Water Development Board, 2010)

**Groundwater Quality
Data Locations**
Regions K, L, and P

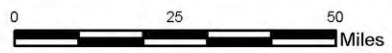
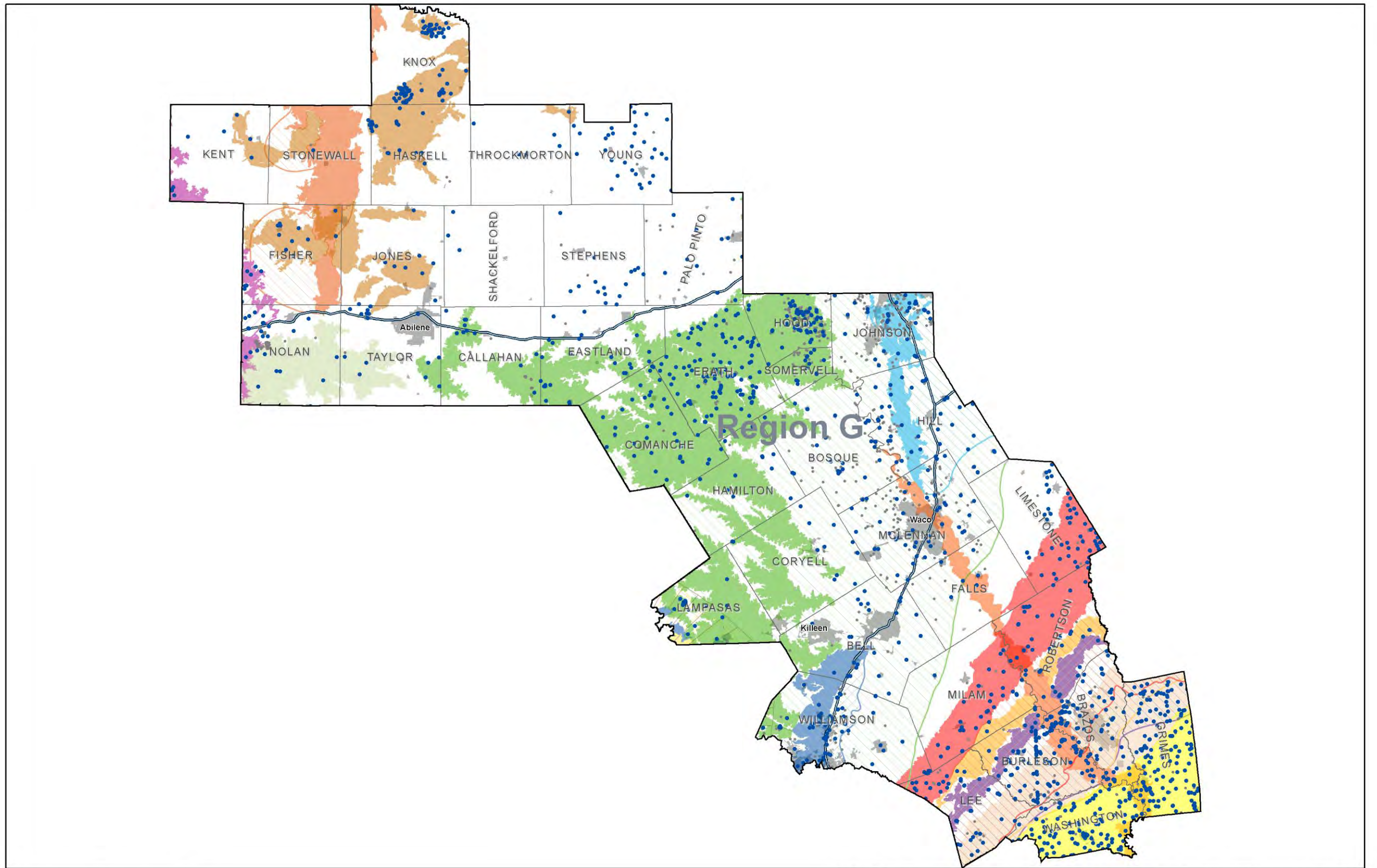
- Explanation**
- Test Well Location
 - Public Water Supply Wells
 - Major Highway
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



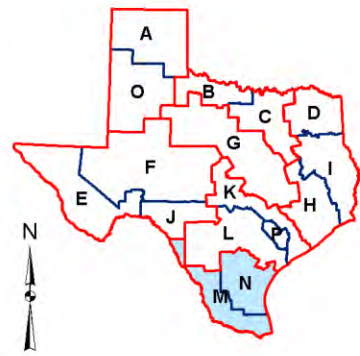
(Data from Texas Commission on Environmental Quality, 2010, USGS, 2010, EPA, 2010, and Texas Water Development Board, 2010)

**Groundwater Quality
Data Locations
Regions G**

Explanation

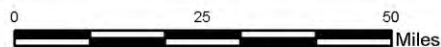
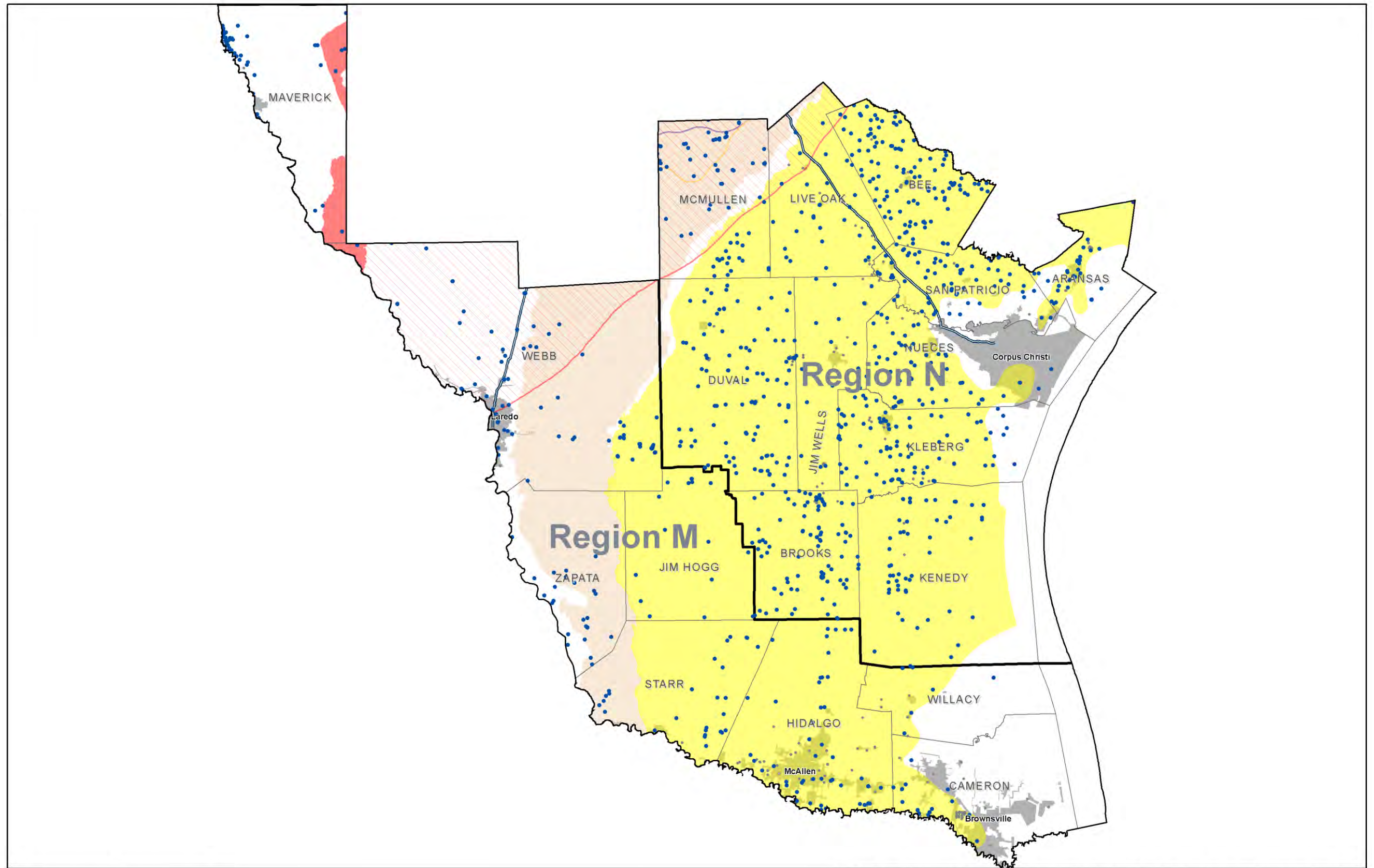
- Test Well Location
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

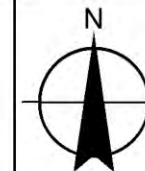


(Data from Texas Commission on Environmental Quality, 2010, USGS, 2010, EPA, 2010, and Texas Water Development Board, 2010)

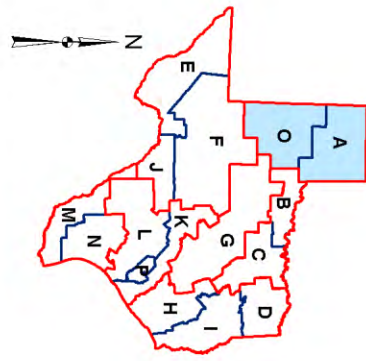
**Groundwater Quality
Data Locations**
Regions M and N

Explanation

- Test Well Location
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities

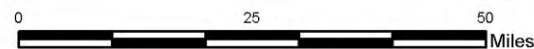
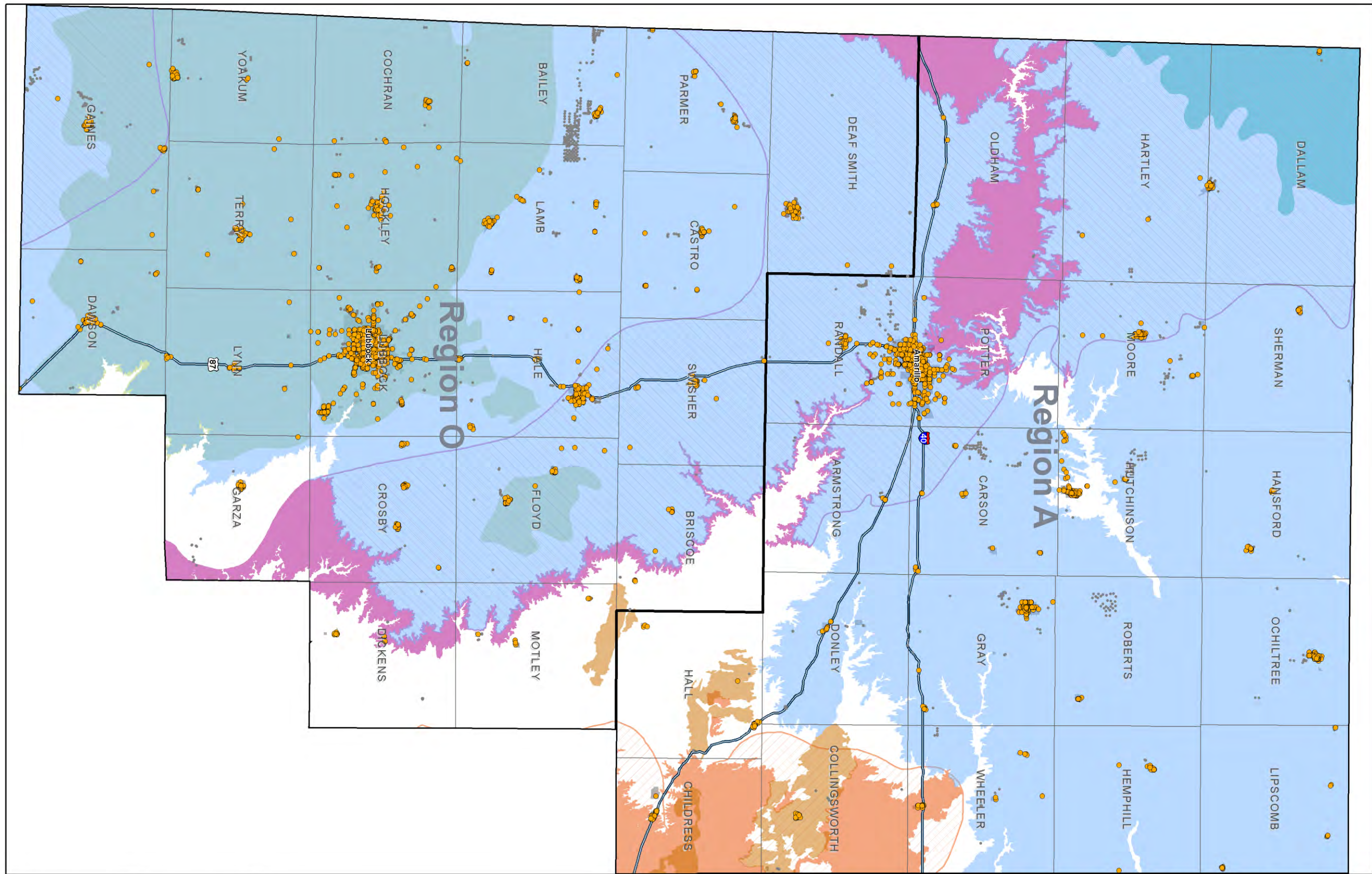


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Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

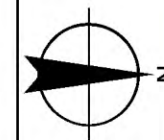


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Petroleum Storage Tanks
Regions A and O

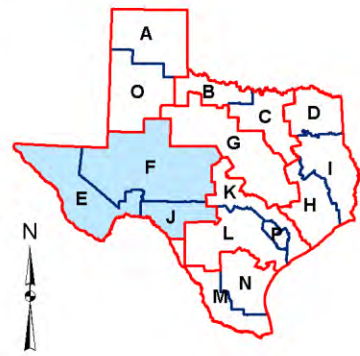
Explanation

- Petroleum Storage Tanks
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Cities



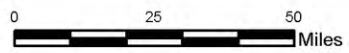
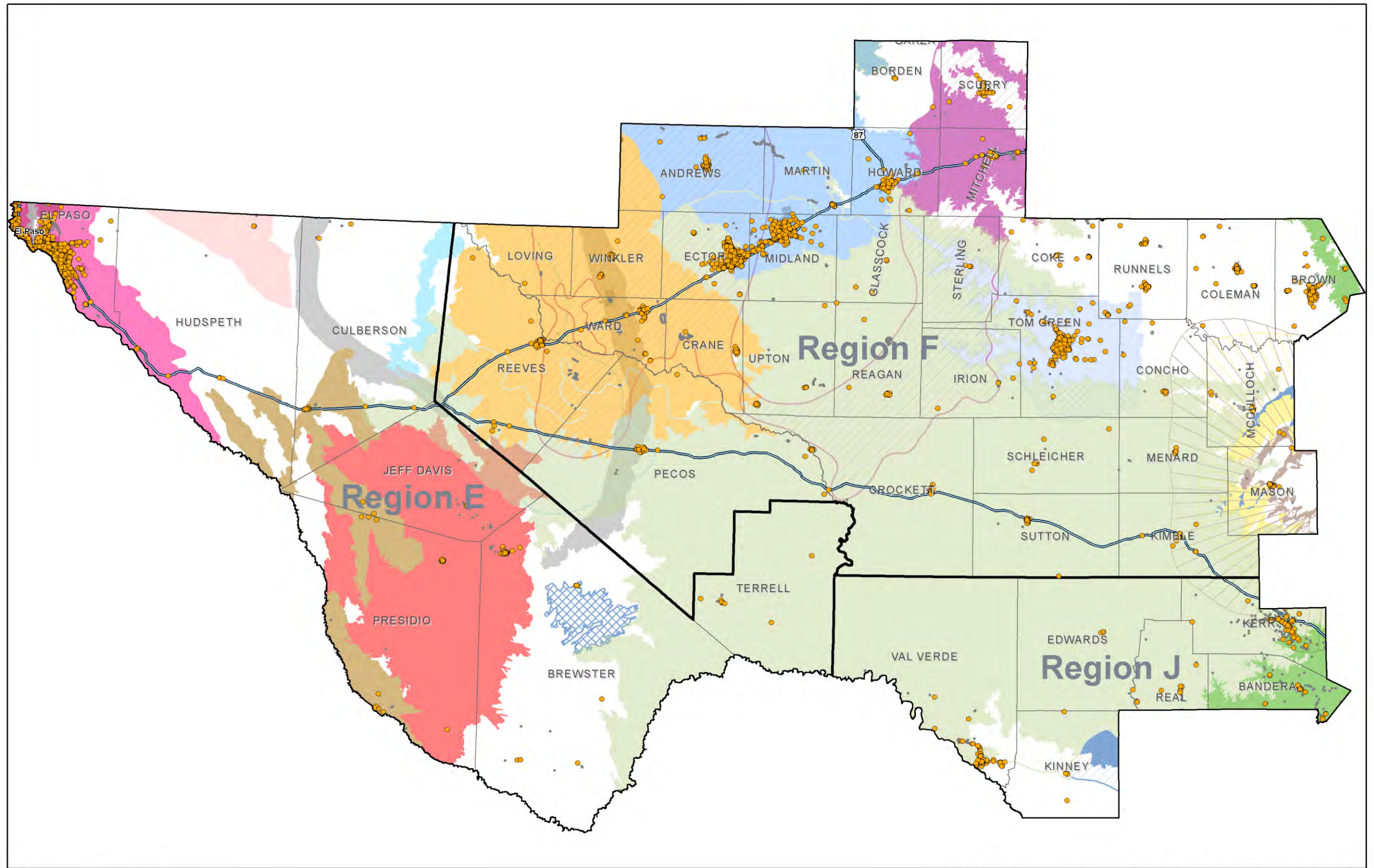
LBG-GUYTON ASSOCIATES

Plate 20



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

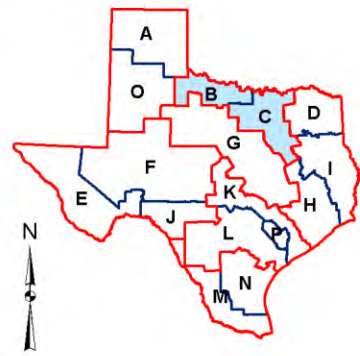
Location of Petroleum Storage Tanks

Regions E, F, and J

Explanation

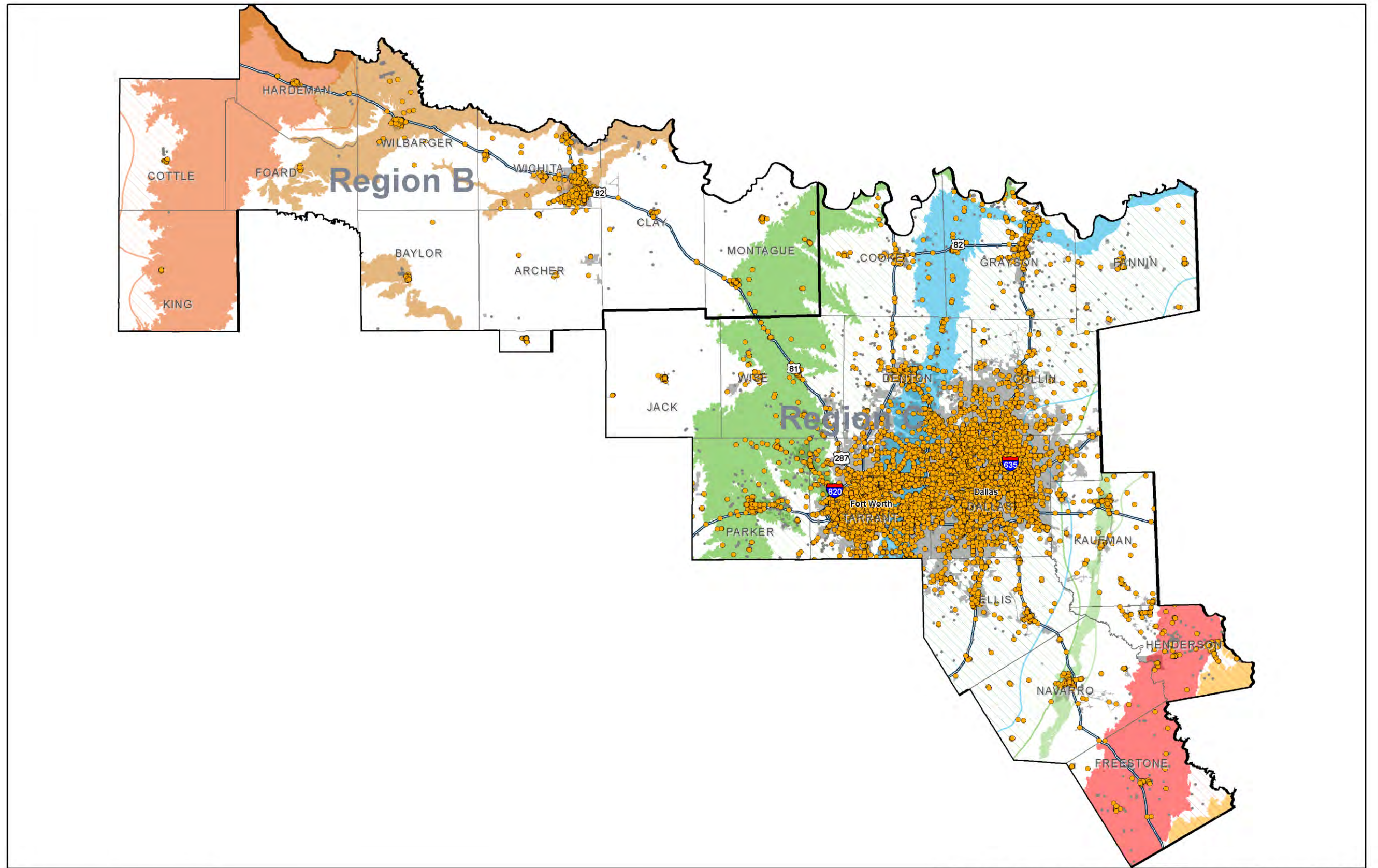
- Petroleum Storage Tanks
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

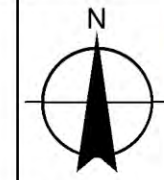


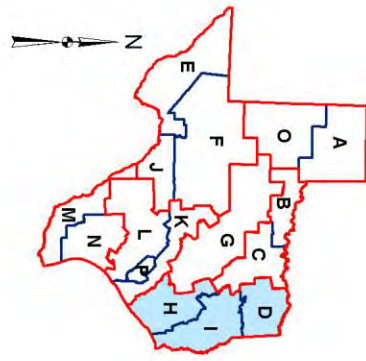
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Petroleum Storage Tanks
Regions B and C

Explanation

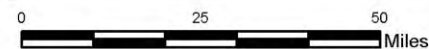
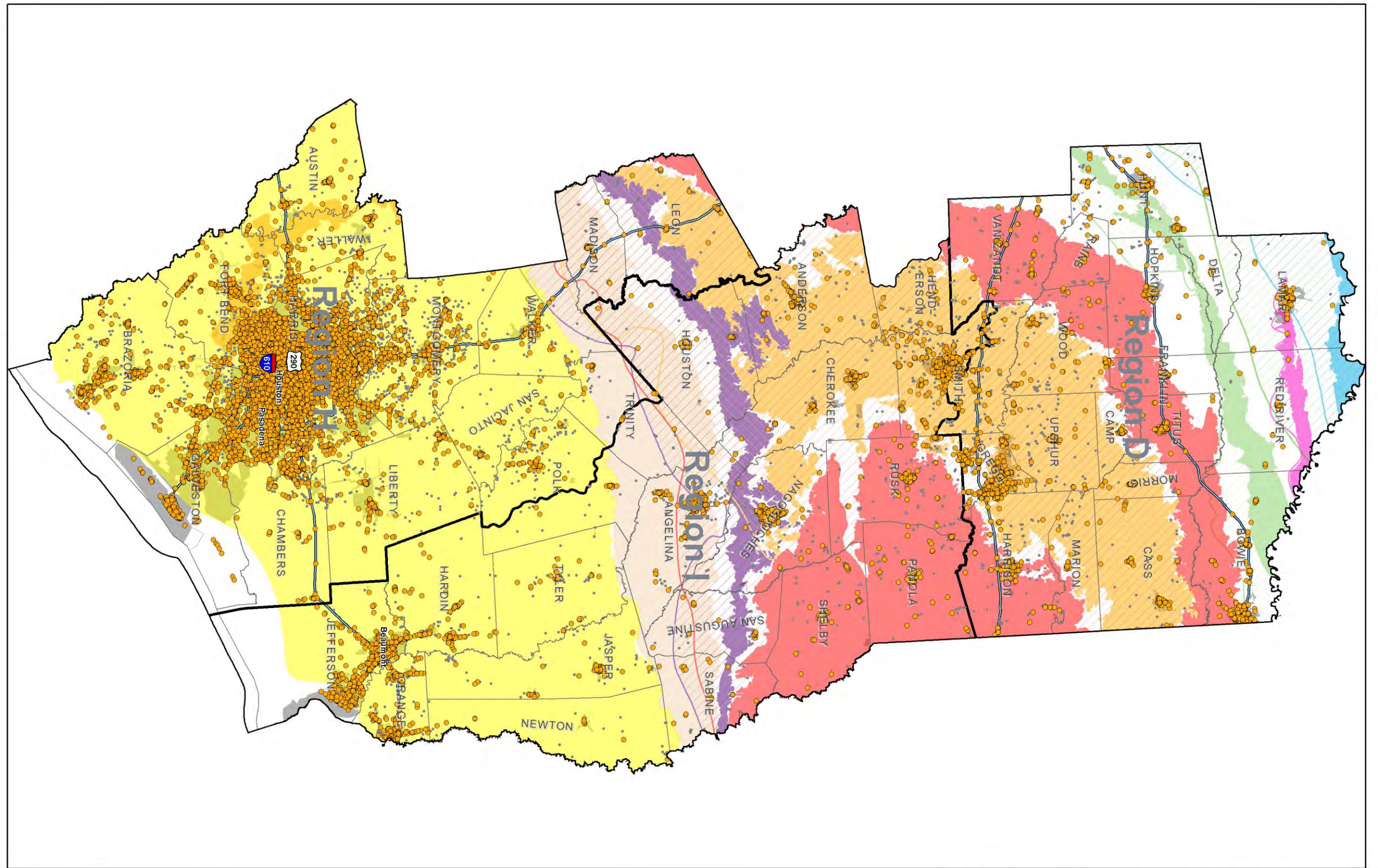
- Petroleum Storage Tanks
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)

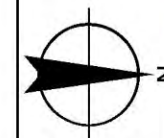


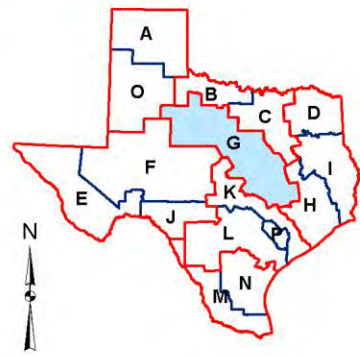
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Petroleum Storage Tanks
Regions D, H, and I

Explanation

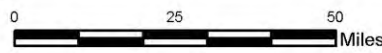
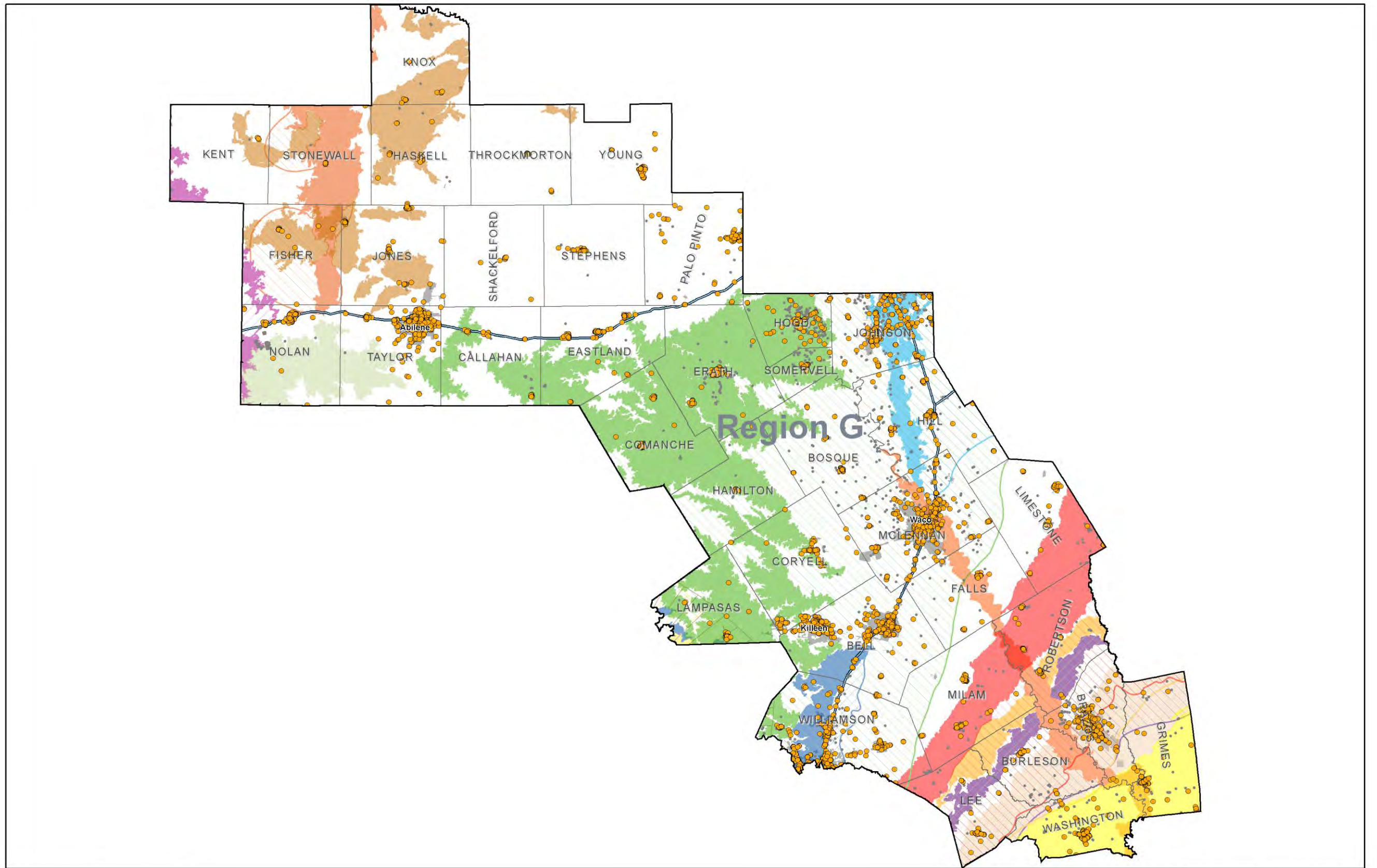
- Petroleum Storage Tanks
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

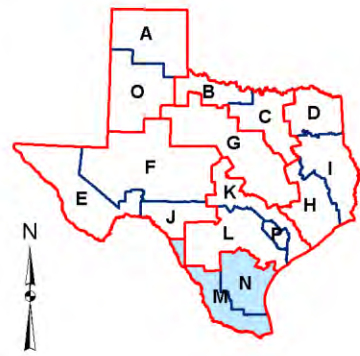
Location of Petroleum Storage Tanks

Regions G

Explanation

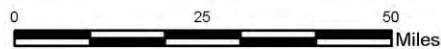
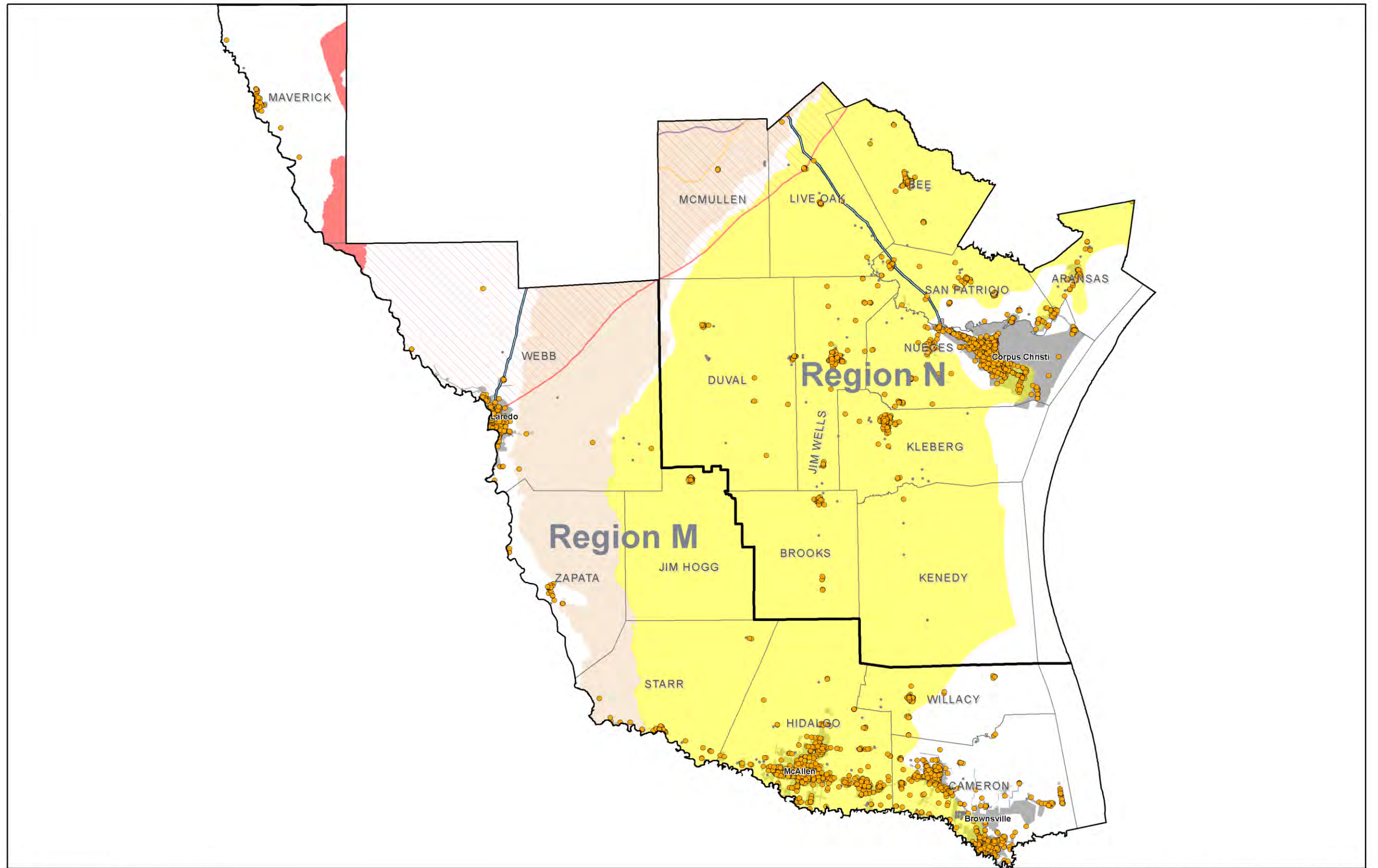
- Petroleum Storage Tanks
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

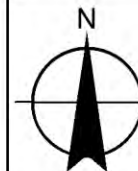


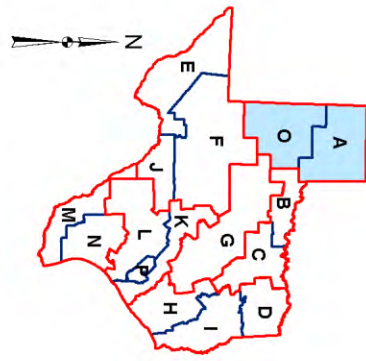
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Petroleum Storage Tanks
Regions M and N

Explanation

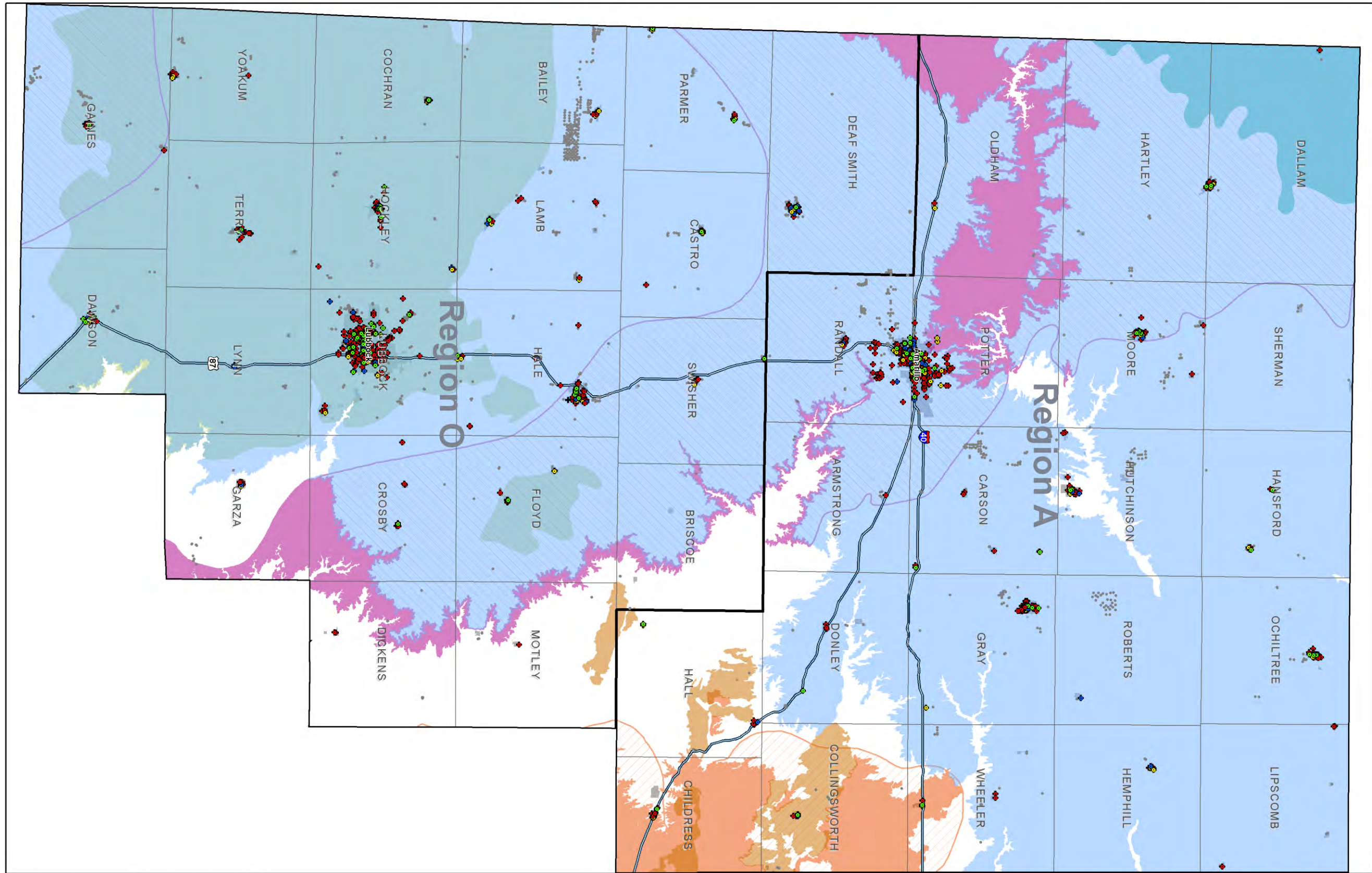
- Petroleum Storage Tanks
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



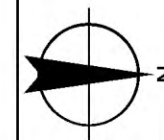
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Automotive Businesses

Regions A and O

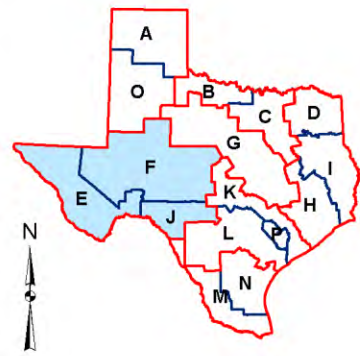
Explanation

- Tire Sales, Repair
- New or Used Oil Site
- Auto Parts
- Auto Repair, Sales, Salvage, Towing
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



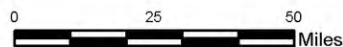
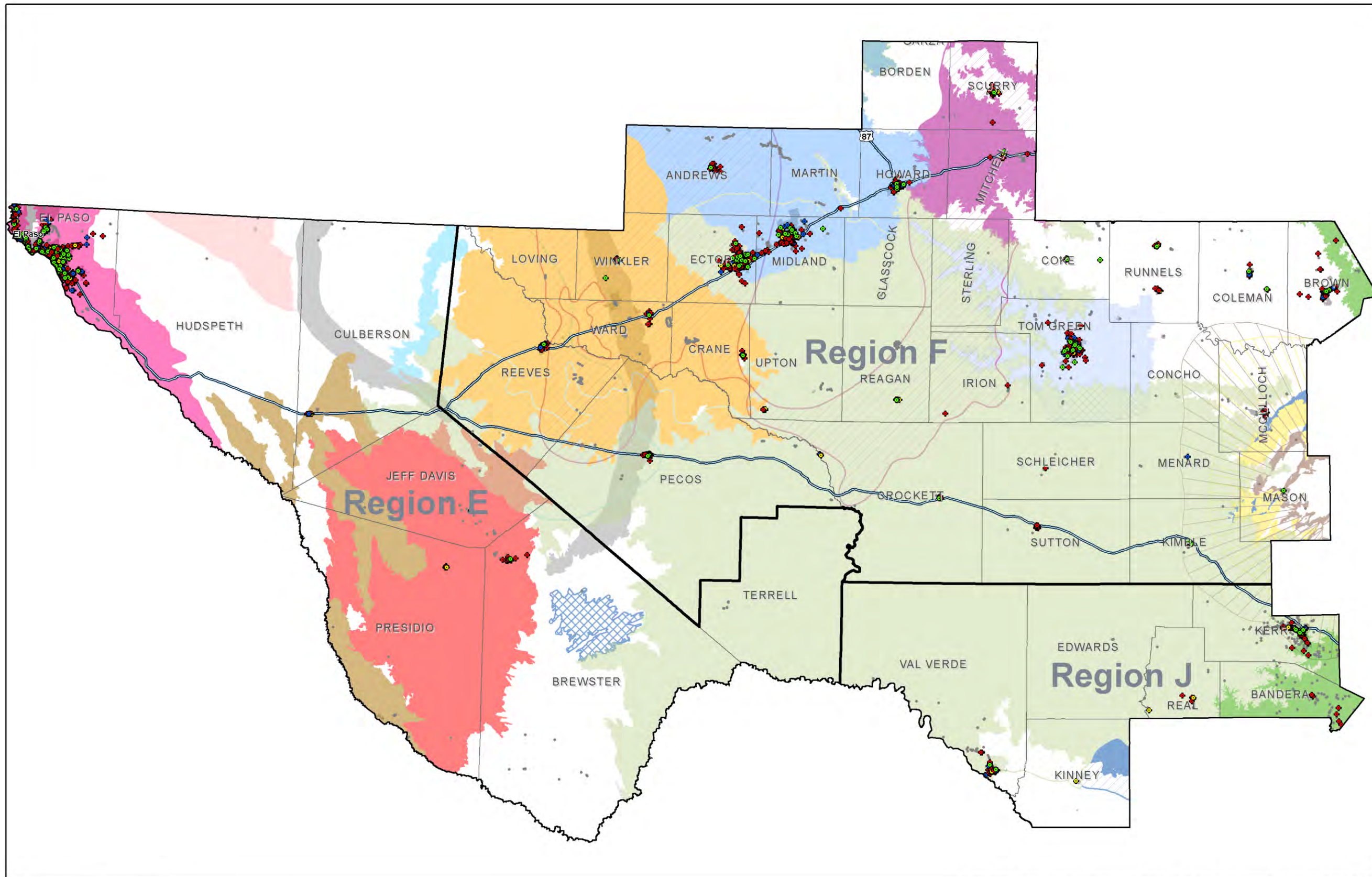
LBG-GUYTON ASSOCIATES

Plate 27



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Automotive Businesses

Regions E, F, and J

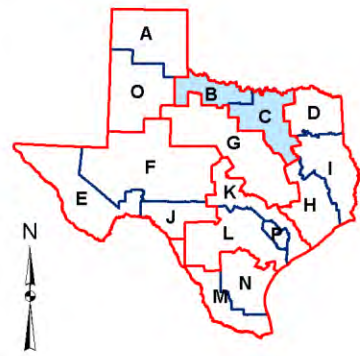
Explanation

- ◆ Tire Sales, Repair
- ◆ New or Used Oil Site
- ◆ Auto Parts
- ◆ Auto Repair, Sales, Salvage, Towing
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



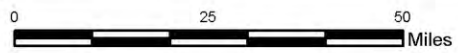
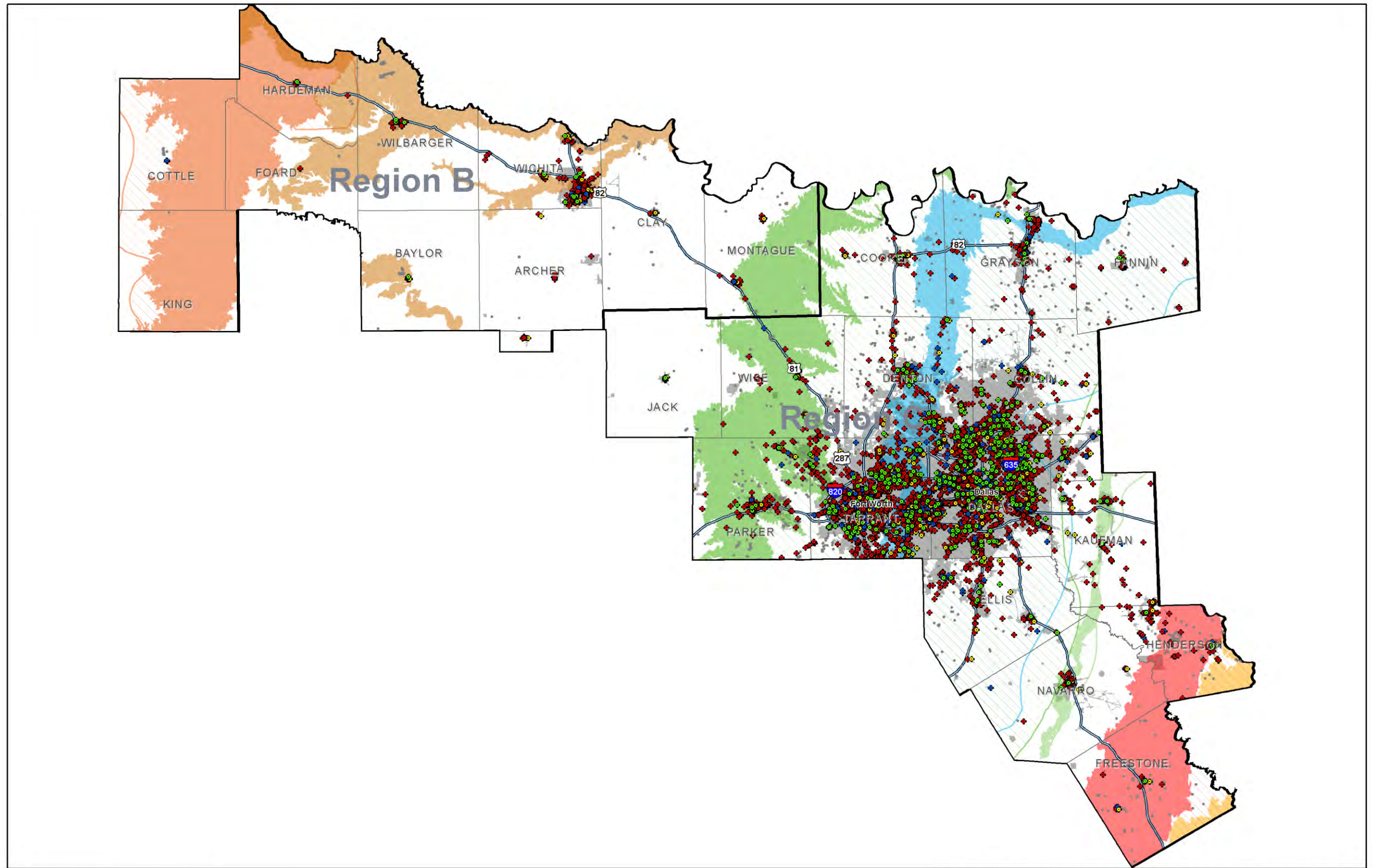
LBG-GUYTON ASSOCIATES

Plate 28



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Automotive Businesses

Regions B and C

Explanation

- ◆ Tire Sales, Repair
- ◆ New or Used Oil Site
- ◆ Auto Parts
- ◆ Auto Repair, Sales, Salvage, Towing
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

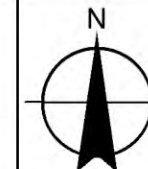
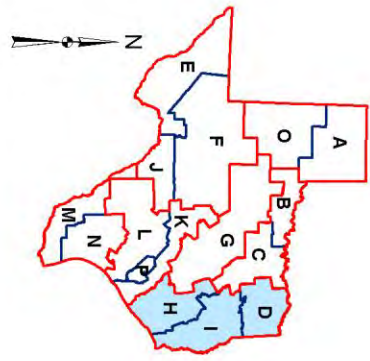
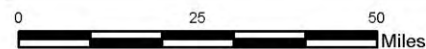
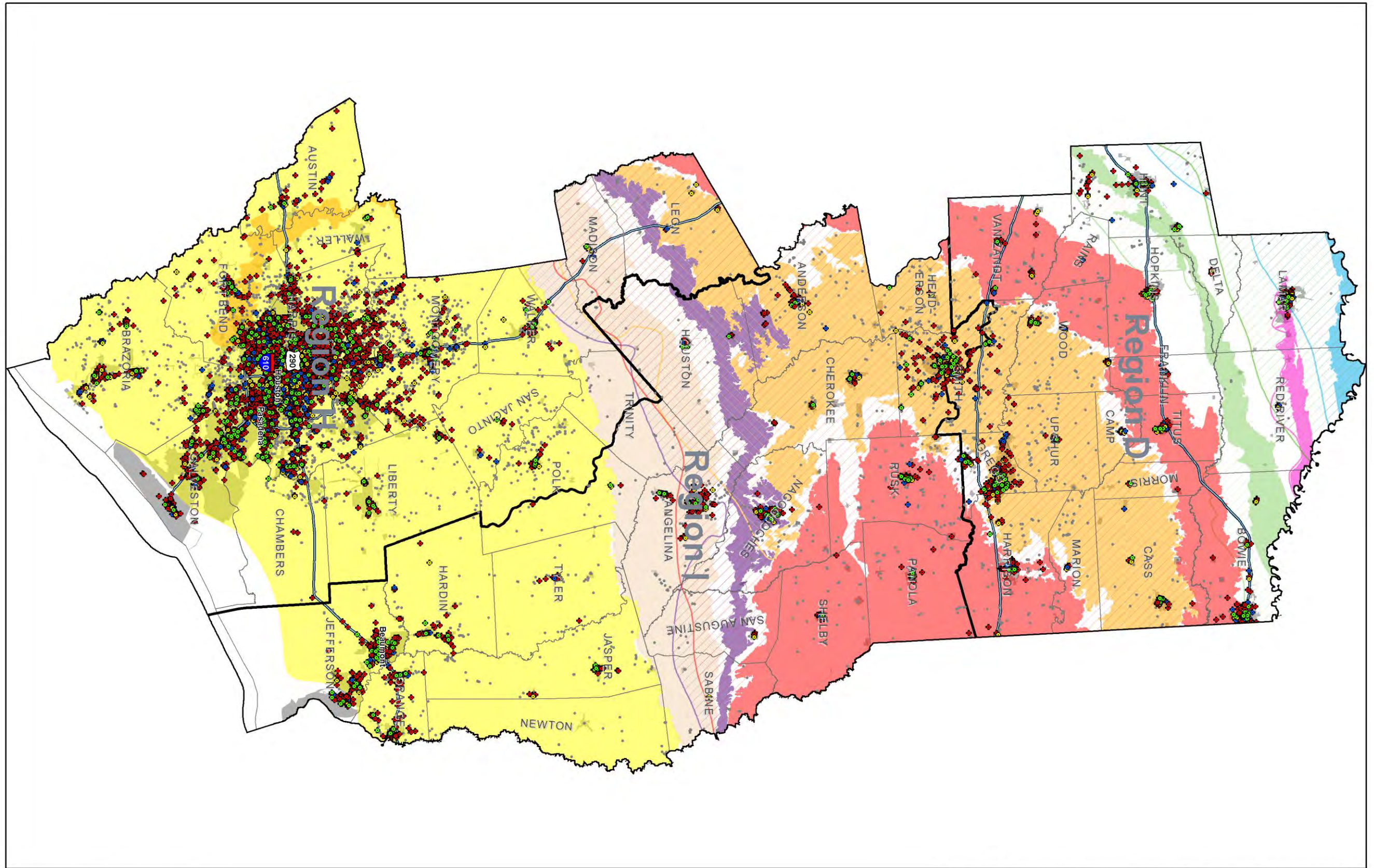


Plate 29



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



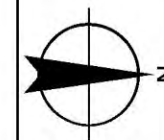
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Automotive Businesses

Regions D, H, and I

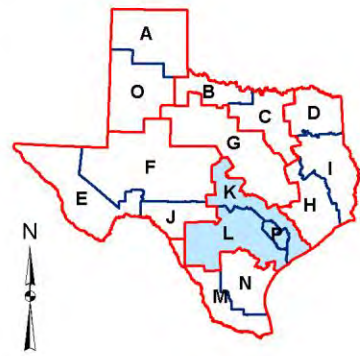
Explanation

- Tire Sales, Repair
- New or Used Oil Site
- Auto Parts
- Auto Repair, Sales, Salvage, Towing
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



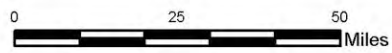
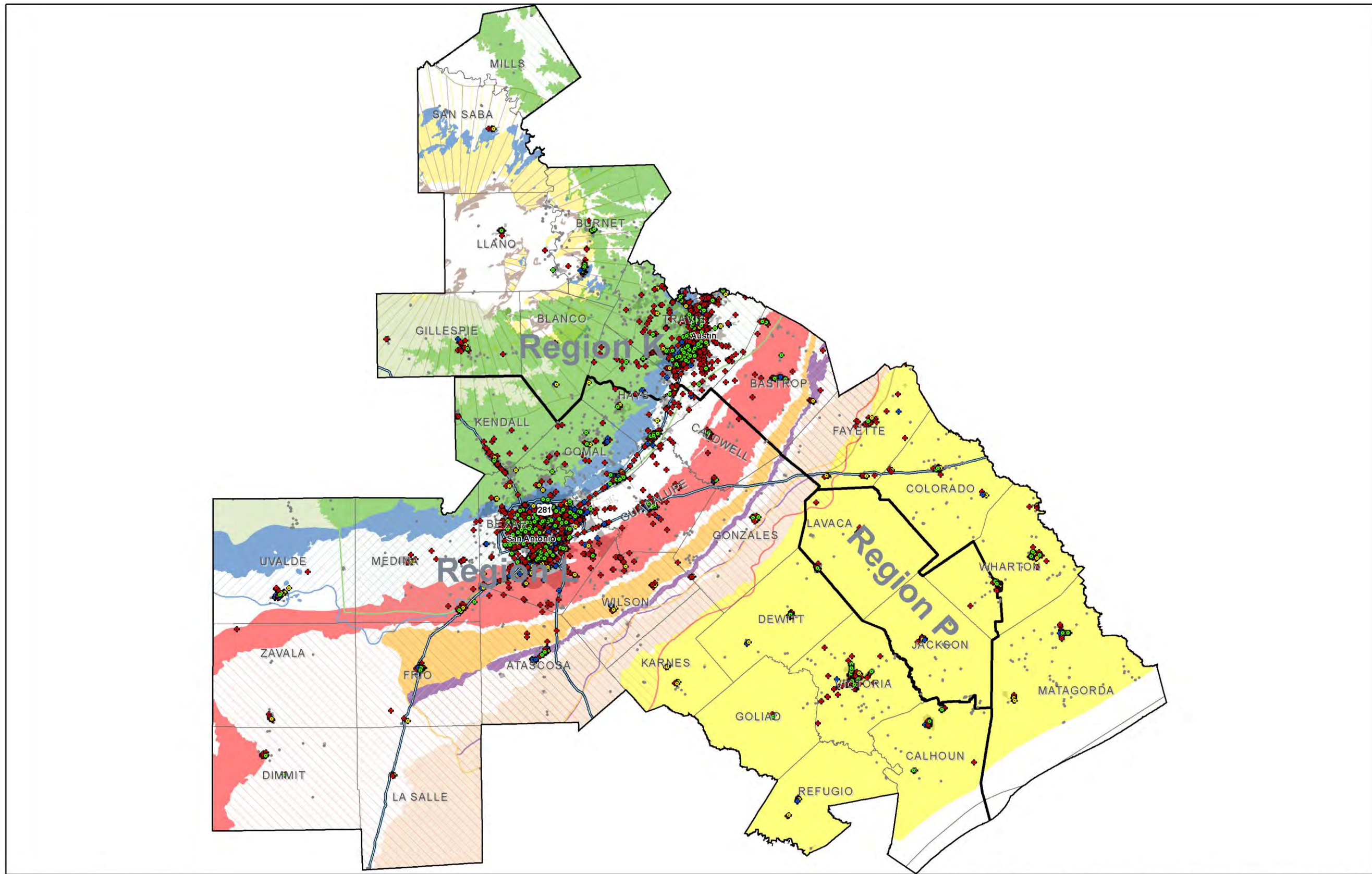
LBG-GUYTON ASSOCIATES

Plate 30



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Automotive Businesses

Regions K, L, and P

Explanation

- Tire Sales, Repair
- New or Used Oil Site
- Auto Parts
- Auto Repair, Sales, Salvage, Towing
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

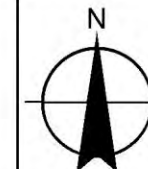
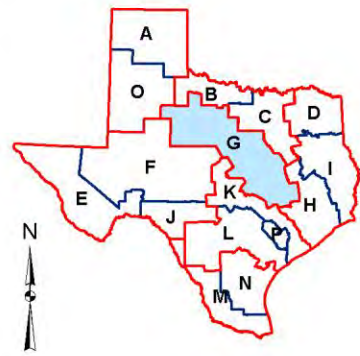
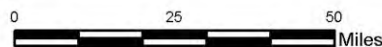
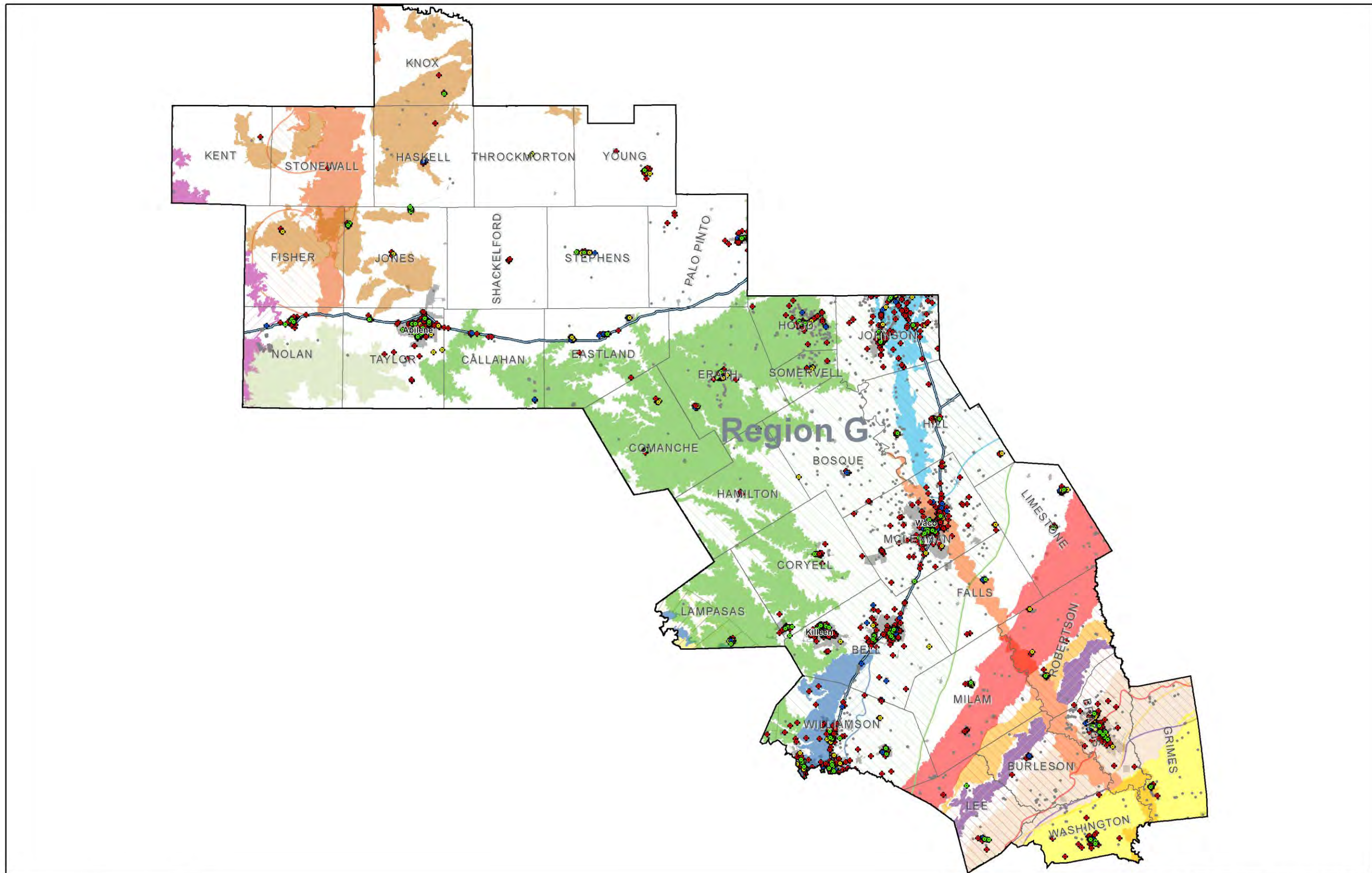


Plate 31



Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Automotive Businesses

Regions G

Explanation

- ◆ Tire Sales, Repair
- ◆ New or Used Oil Site
- ◆ Auto Parts
- ◆ Auto Repair, Sales, Salvage, Towing
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

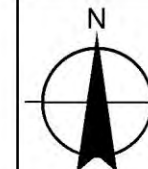
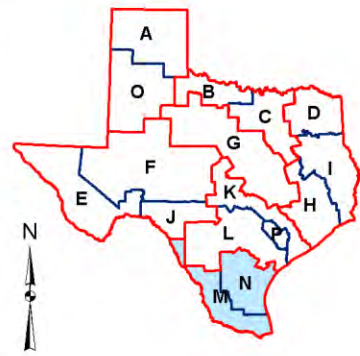
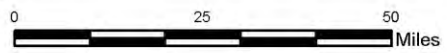
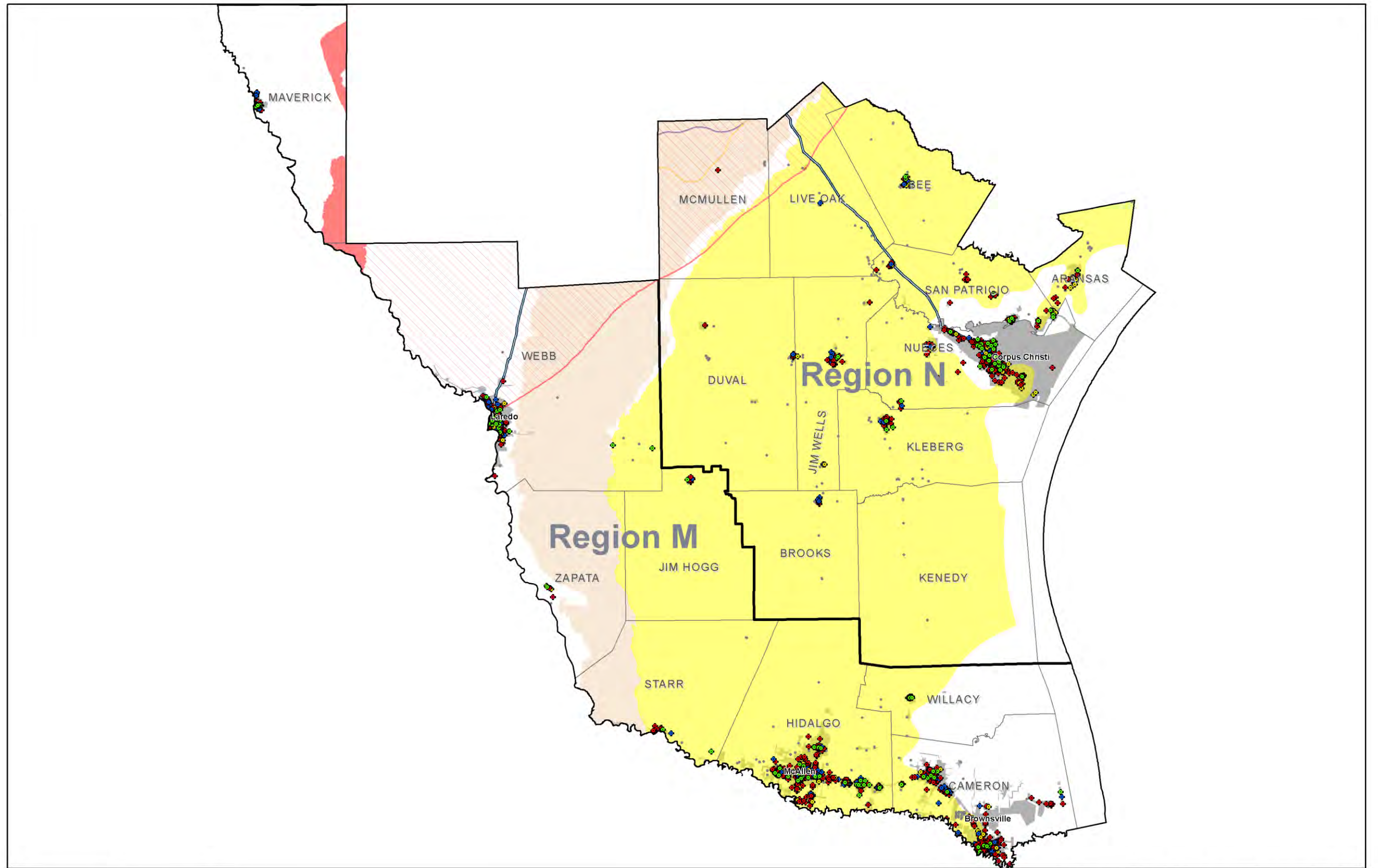


Plate 32



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



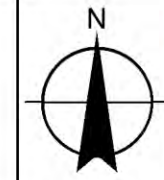
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

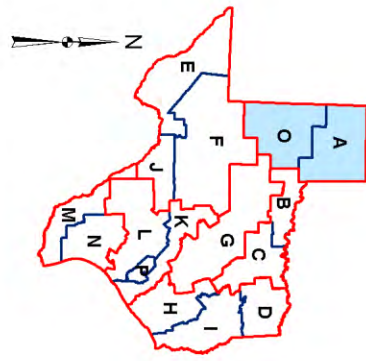
Location of Automotive Businesses

Regions M and N

Explanation

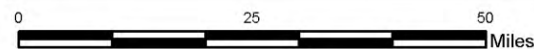
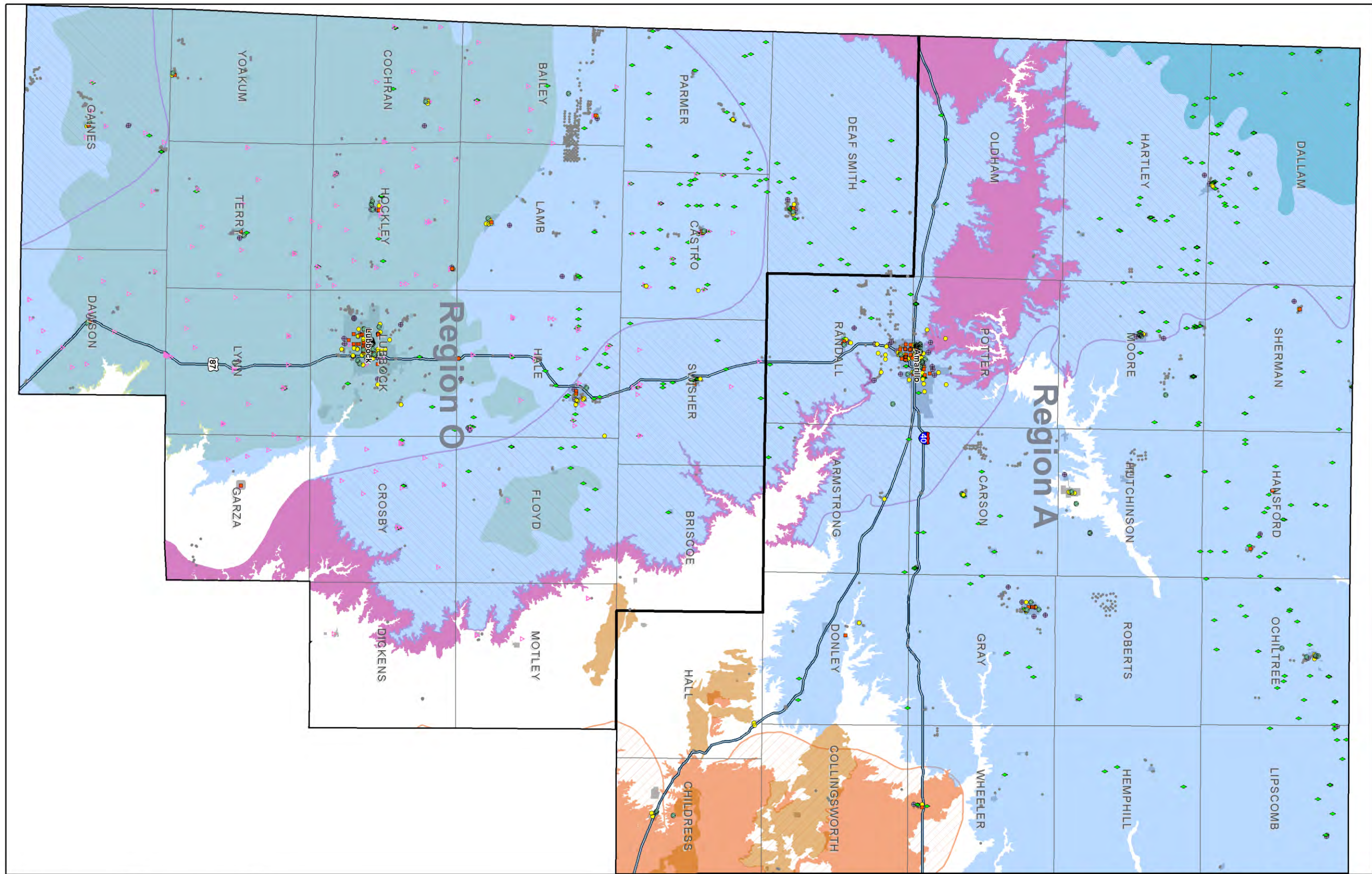
- ◆ Tire Sales, Repair
- ◆ New or Used Oil Site
- ◆ Auto Parts
- ◆ Auto Repair, Sales, Salvage, Towing
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



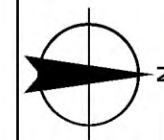
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Location of Selected Other
Businesses with PSOCs**

Regions A and O

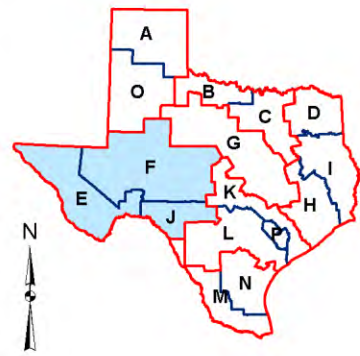
Explanation

- | | | |
|---|---|---|
| ● Nuclear Power Plant | ⊛ Silviculture | ● Public Water Supply Wells |
| ● Radiochemical Site | ▲ Cotton Gin | — Major Highway |
| ■ Dry Cleaner | ◆ Grain Elevator | Counties |
| ● Paint Shop | ● Other | Regional Water Planning Groups |
| ▲ Plastic Mfg, Sale | | Cities |



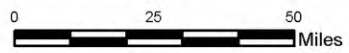
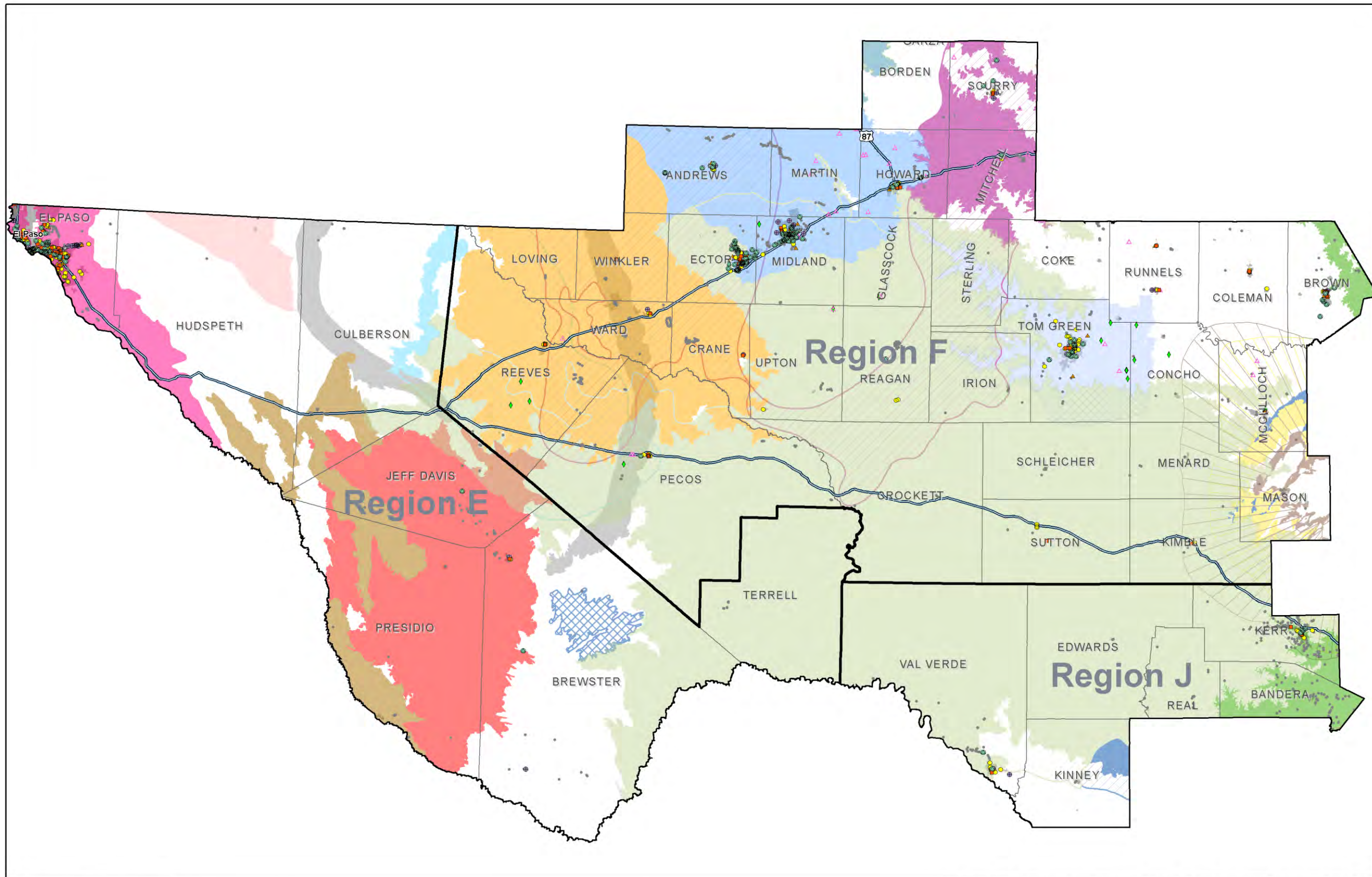
LBG-GUYTON ASSOCIATES

Plate 34



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

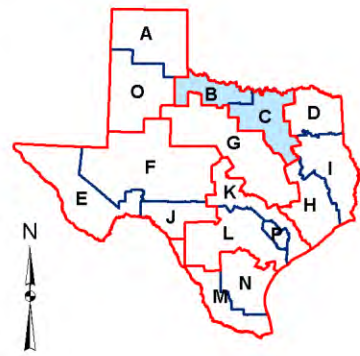


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Location of Selected Other
Businesses with PSOCs**
Regions E, F, and J

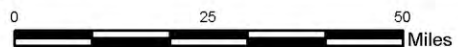
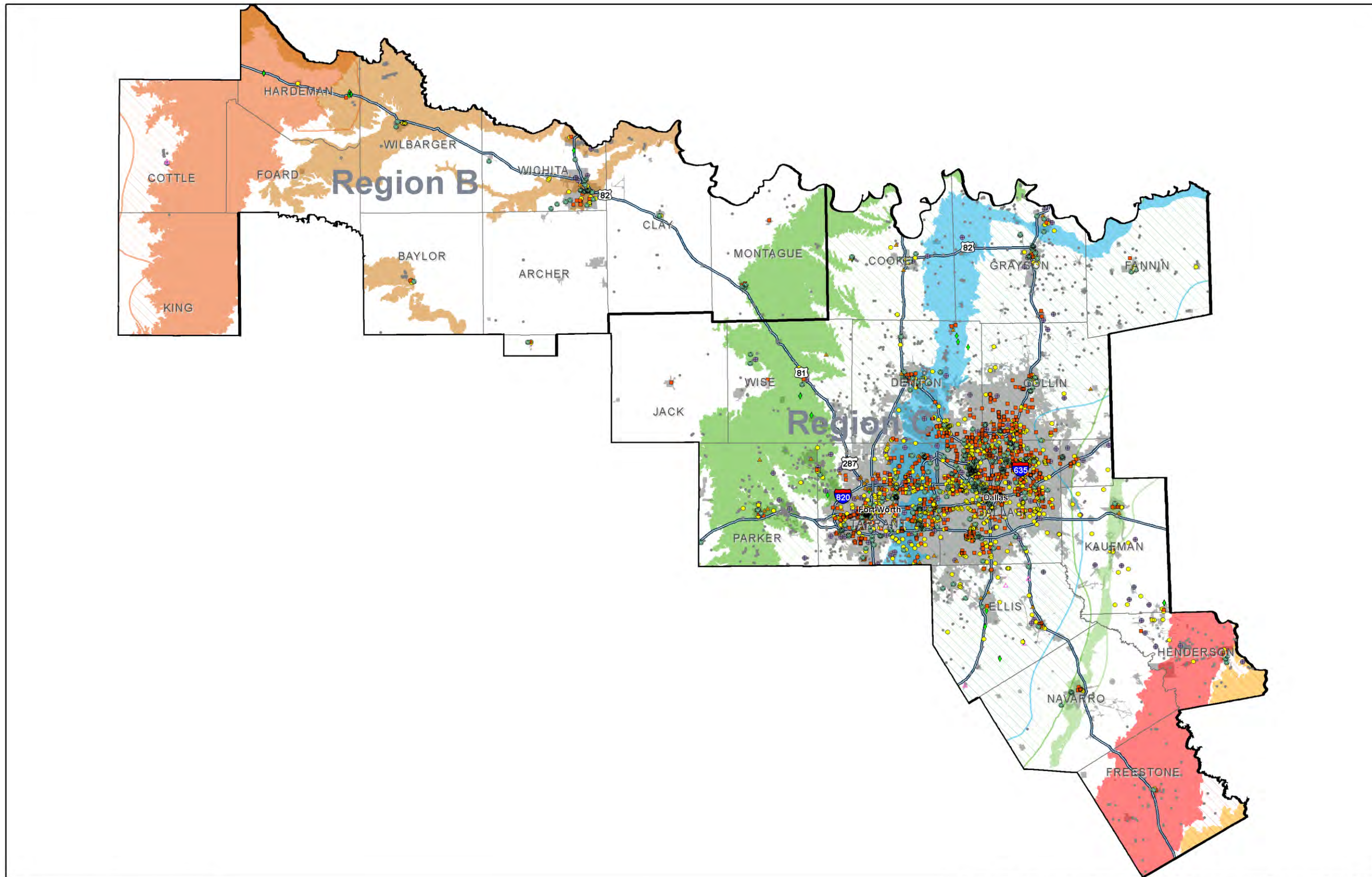
- Explanation**
- Nuclear Power Plant
 - Radiochemical Site
 - Dry Cleaner
 - Paint Shop
 - Plastic Mfg, Sale
 - Silviculture
 - Cotton Gin
 - Grain Elevator
 - Other
 - Public Water Supply Wells
 - Major Highway
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

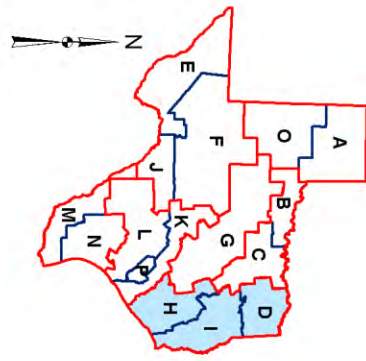
**Location of Selected Other
Businesses with PSOCs**

Regions B and C

Explanation

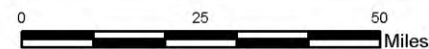
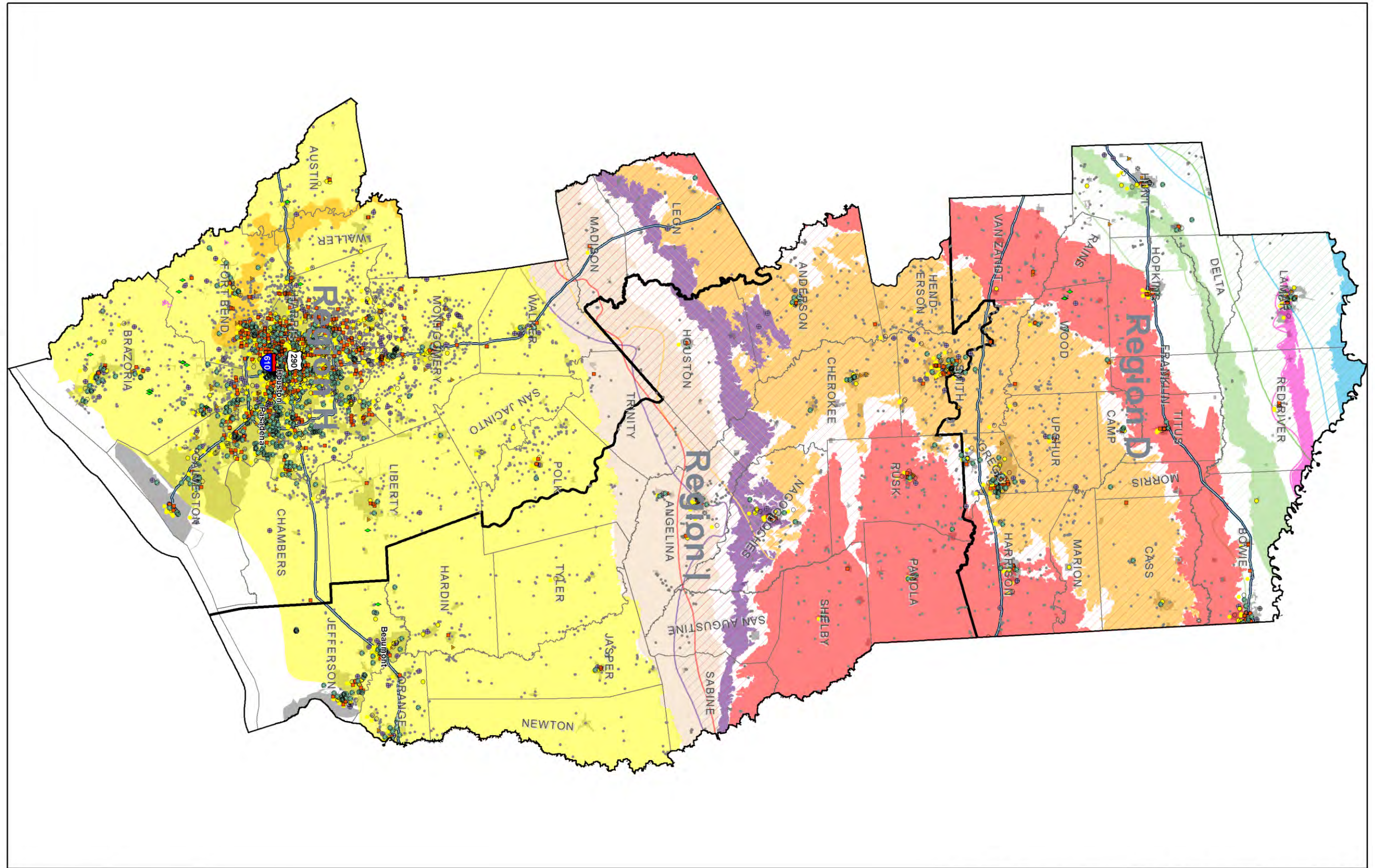
- Nuclear Power Plant
- Radiochemical Site
- Dry Cleaner
- Paint Shop
- ▲ Plastic Mfg. Sale
- Silviculture
- ▲ Cotton Gin
- ◆ Grain Elevator
- Other
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



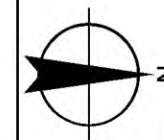
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

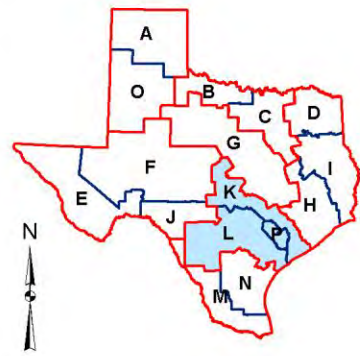
**Location of Selected Other
Businesses with PSOCs**

Regions D, H, and I

Explanation

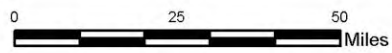
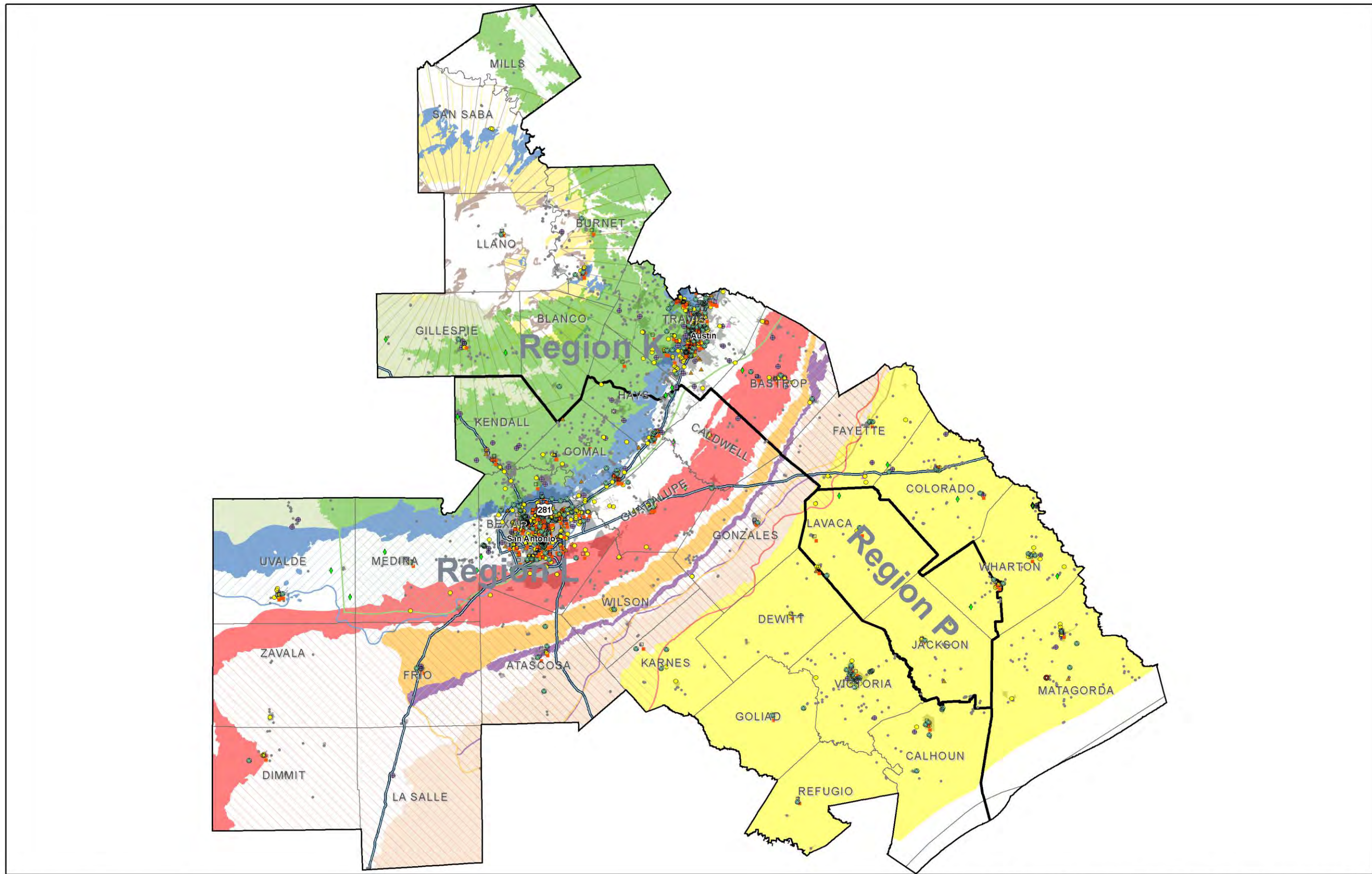
- | | | |
|---|---|---|
| ● Nuclear Power Plant | * Silviculture | * Public Water Supply Wells |
| ● Radiochemical Site | ▲ Cotton Gin | — Major Highway |
| ■ Dry Cleaner | ◆ Grain Elevator | Counties |
| ● Paint Shop | ● Other | Regional Water Planning Groups |
| ▲ Plastic Mfg, Sale | | Cities |





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

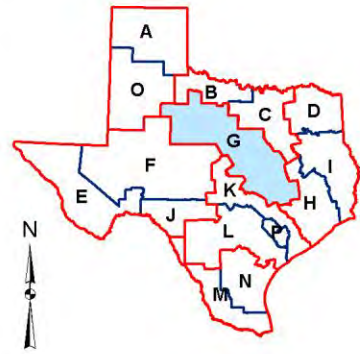


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Location of Selected Other
Businesses with PSOCs**
Regions K, L, and P

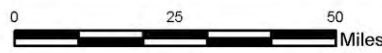
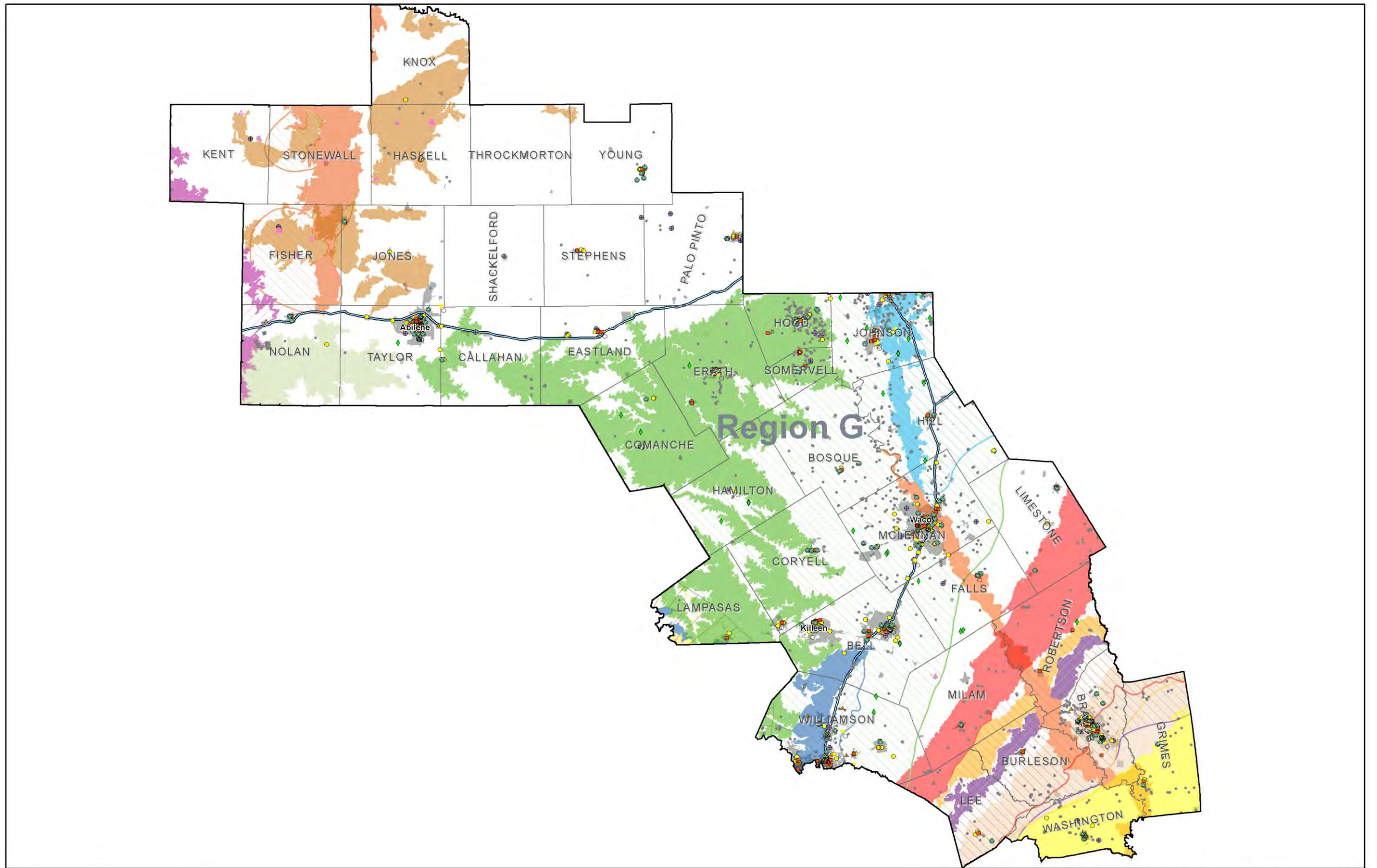
- Explanation**
- Nuclear Power Plant
 - Radiochemical Site
 - Dry Cleaner
 - Paint Shop
 - ▲ Plastic Mfg, Sale
 - * Silviculture
 - ▲ Cotton Gin
 - ◆ Grain Elevator
 - Other
 - Public Water Supply Wells
 - Major Highway
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)

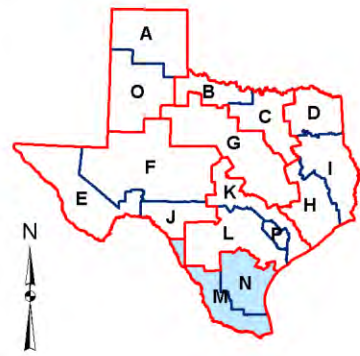


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Selected Other Businesses with PSOCs
Regions G

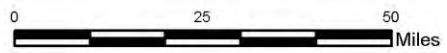
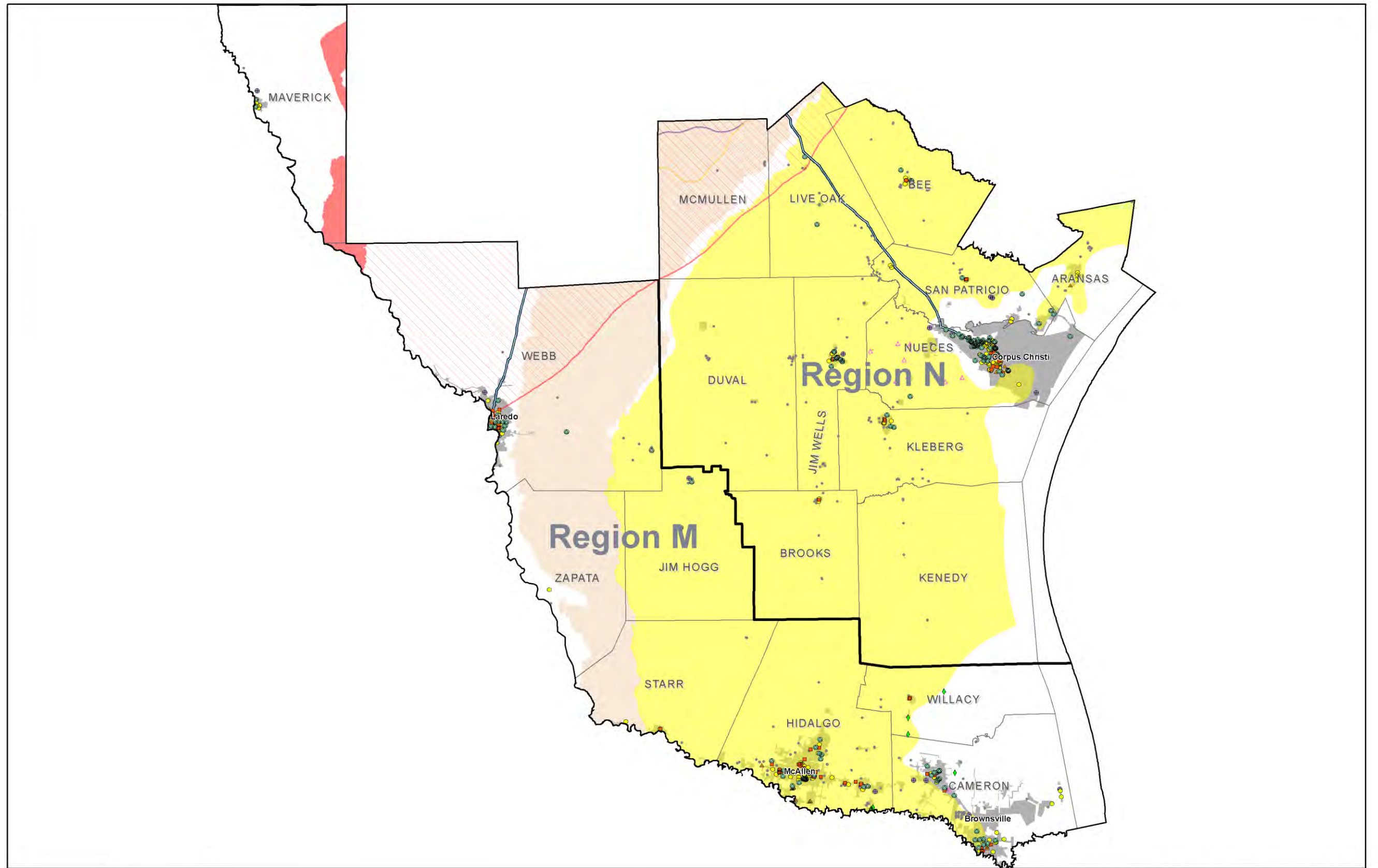
- Explanation**
- Nuclear Power Plant
 - Radiochemical Site
 - Dry Cleaner
 - Paint Shop
 - ▲ Plastic Mfg, Sale
 - Silviculture
 - ▲ Cotton Gin
 - ◆ Grain Elevator
 - Other
 - Public Water Supply Wells
 - Major Highway
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

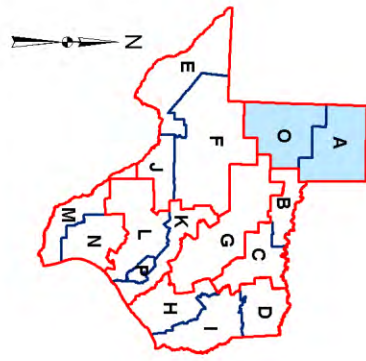


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Location of Selected Other
Businesses with PSOCs**
Regions M and N

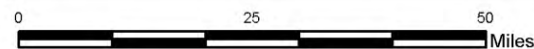
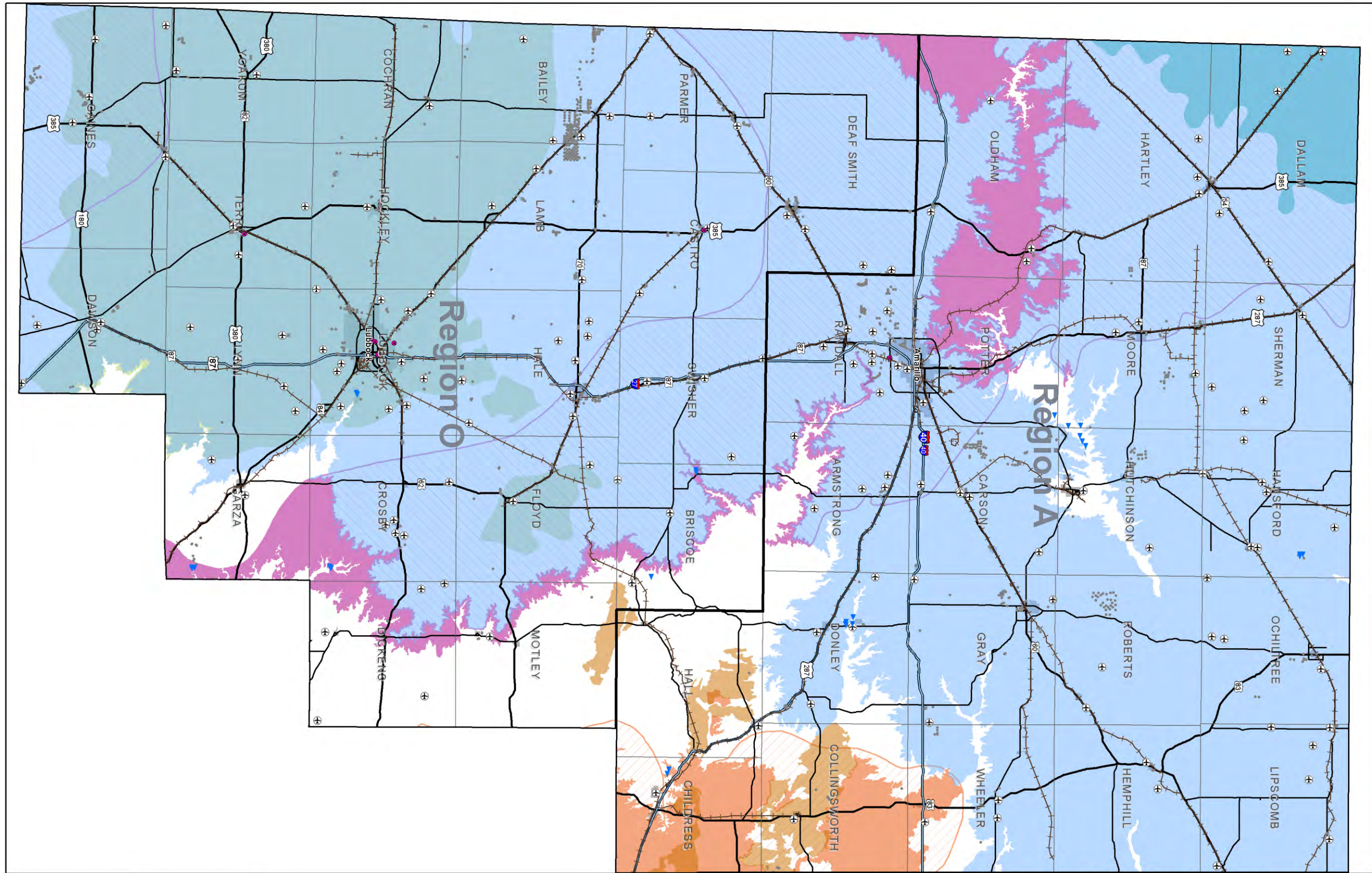
- Explanation**
- Nuclear Power Plant
 - Radiochemical Site
 - Public Water Supply Wells
 - Dry Cleaner
 - ◆ Grain Elevator
 - Major Highway
 - Paint Shop
 - Other
 - ▲ Plastic Mfg, Sale
 - * Silviculture
 - ▲ Cotton Gin
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



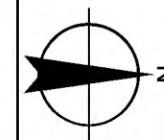
(Data from Texas Commission on Environmental Quality, 2010, Texas Department of Transportation, 2010, and Texas Water Development Board, 2010)

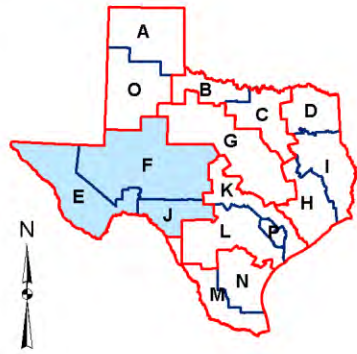
Location of Transportation Elements

Regions A and O

Explanation

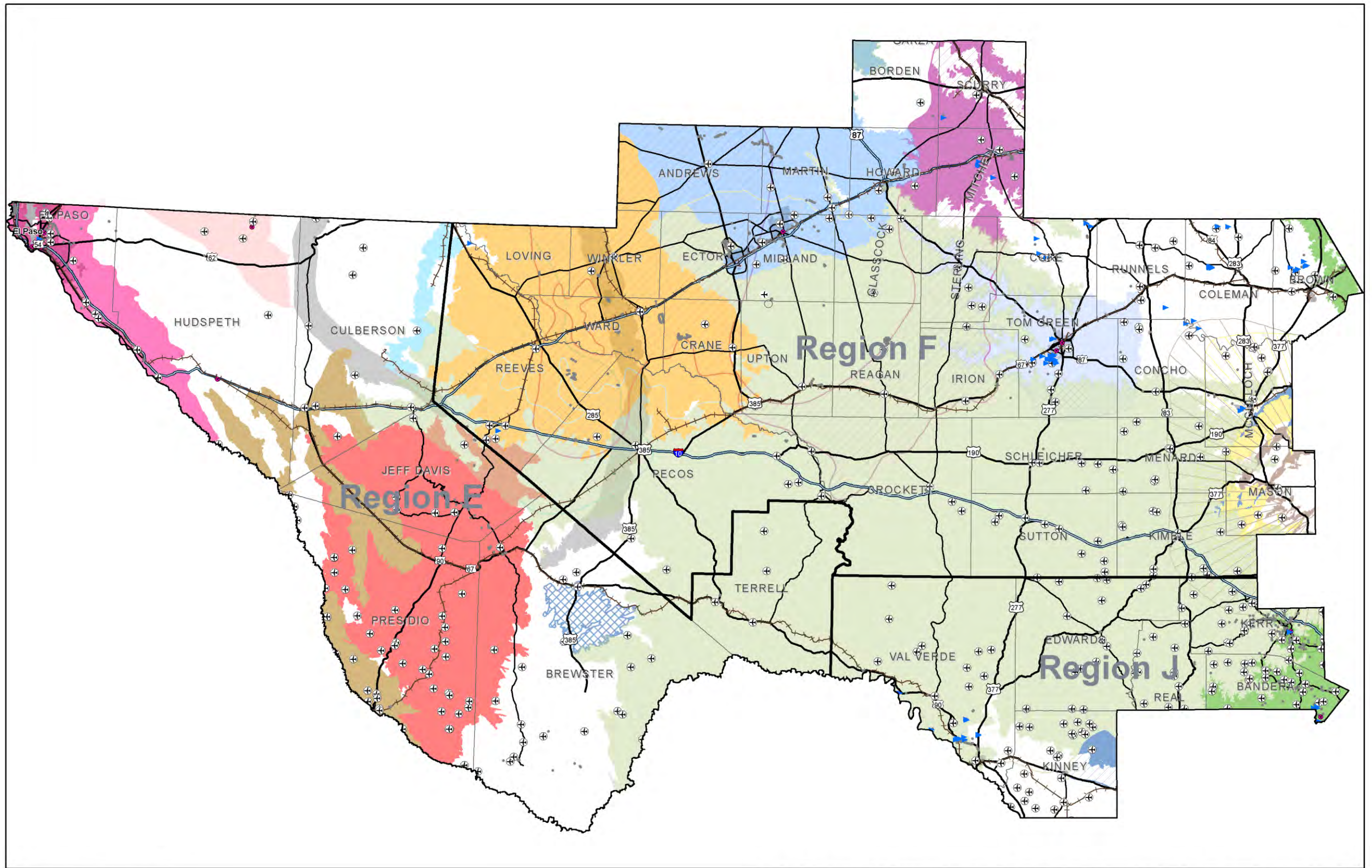
- | | | |
|----------------------------------|------------------------------------|-----------------|
| • Public Water Supply Wells | Transportation Element Type | ++ Railroad |
| ■ Cities | ✈ Aircraft | — Major Highway |
| □ Counties | • Helipoint | — US Highway |
| ▭ Regional Water Planning Groups | ▶ Watercraft | — State Highway |





Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, Texas Department of Transportation, 2010, and Texas Water Development Board, 2010)

Location of Transportation Elements

Regions E, F, and J

Explanation

- Public Water Supply Wells
- Cities
- Regional Water Planning Groups
- Counties
- Aircraft
- Heliport
- Watercraft
- Railroad
- Major Highway
- US Highway
- State Highway

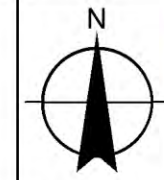
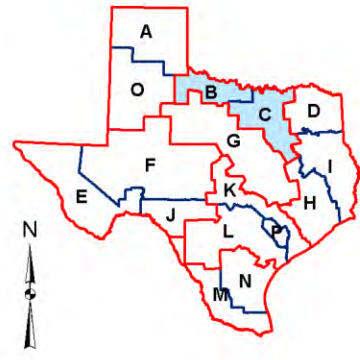
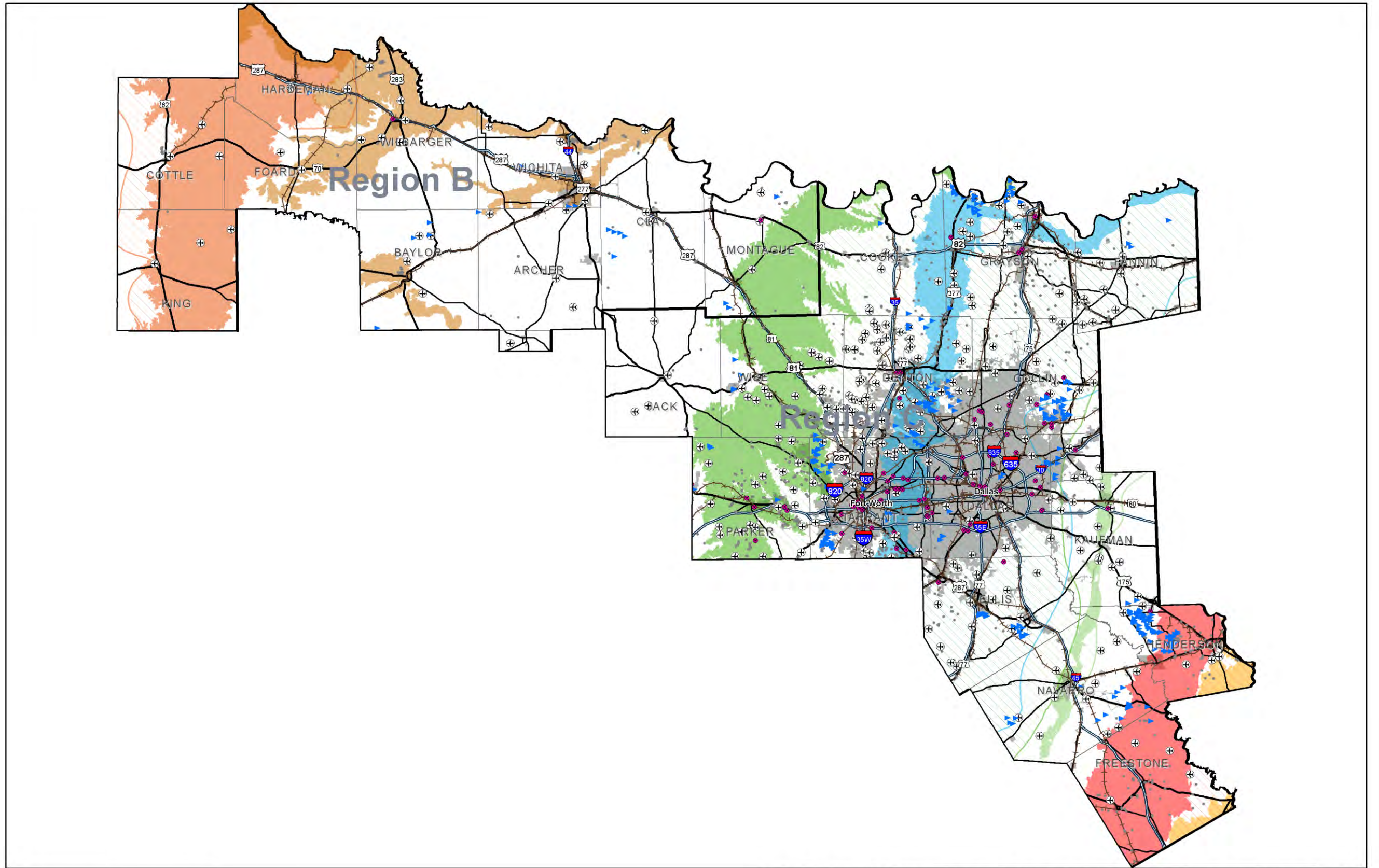


Plate 42



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



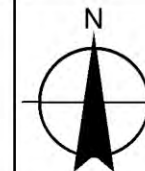
(Data from Texas Commission on Environmental Quality, 2010, Texas Department of Transportation, 2010, and Texas Water Development Board, 2010)

Location of Transportation Elements

Regions B and C

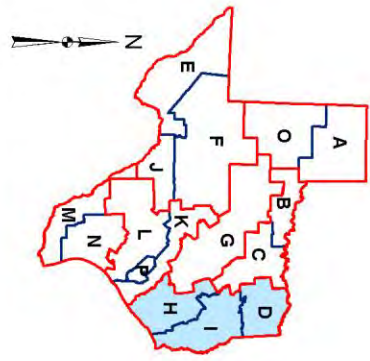
Explanation

- | | | |
|----------------------------------|------------------------------------|-----------------|
| • Public Water Supply Wells | Transportation Element Type | —+— Railroad |
| ■ Cities | ⊕ Aircraft | — Major Highway |
| ▭ Regional Water Planning Groups | ● Heliport | — US Highway |
| ▭ Counties | ▶ Watercraft | — State Highway |



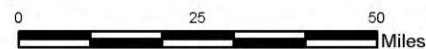
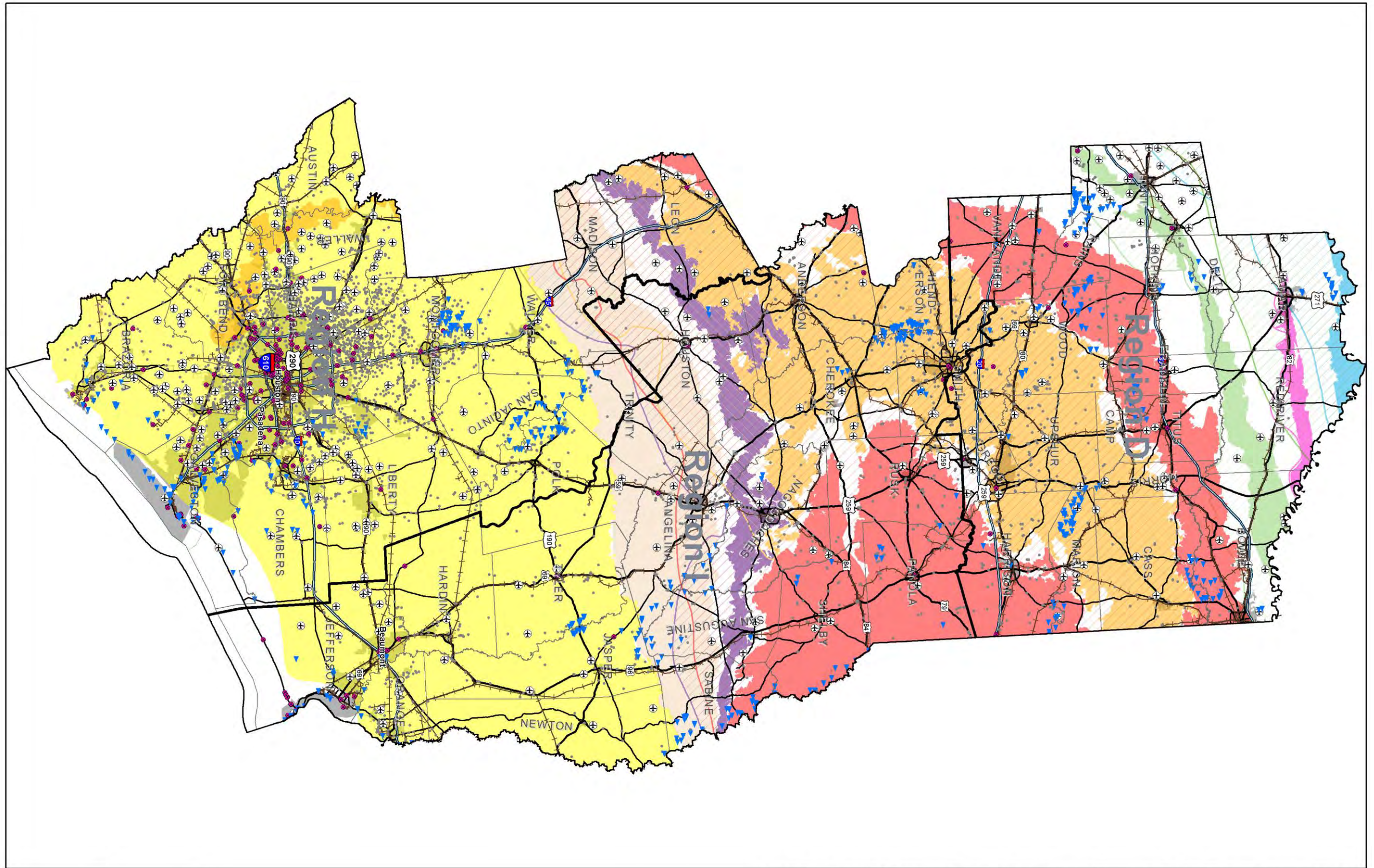
LBG-GUYTON ASSOCIATES

Plate 43



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, Texas Department of Transportation, 2010, and Texas Water Development Board, 2010)

Location of Transportation Elements

Regions D, H, and I

Explanation

- Public Water Supply Wells
- Cities
- Counties
- Regional Water Planning Groups
- Aircraft
- Helipoint
- Watercraft
- Railroad
- Major Highway
- US Highway
- State Highway

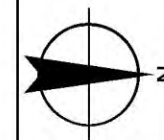
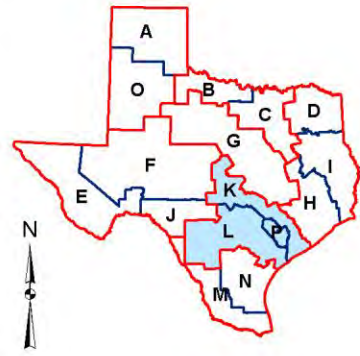
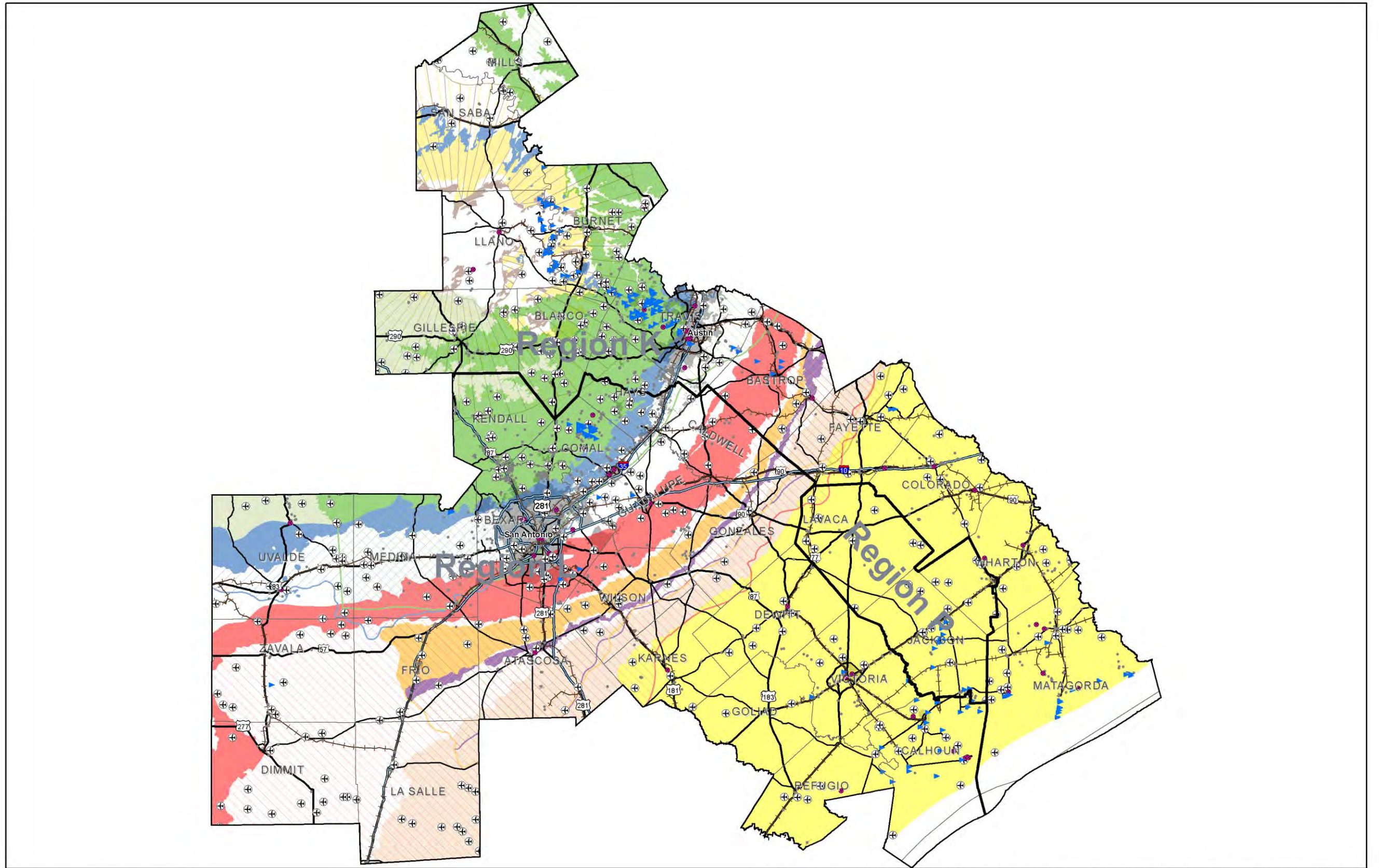


Plate 44



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



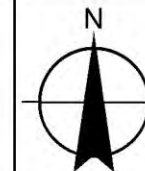
(Data from Texas Commission on Environmental Quality, 2010, Texas Department of Transportation, 2010, and Texas Water Development Board, 2010)

Location of Transportation Elements

Regions K, L, and P

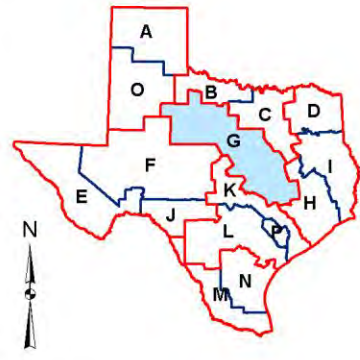
Explanation

- Public Water Supply Wells
- Cities
- Regional Water Planning Groups
- Counties
- Aircraft
- Heliport
- Watercraft
- Railroad
- Major Highway
- US Highway
- State Highway



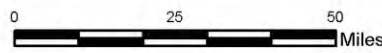
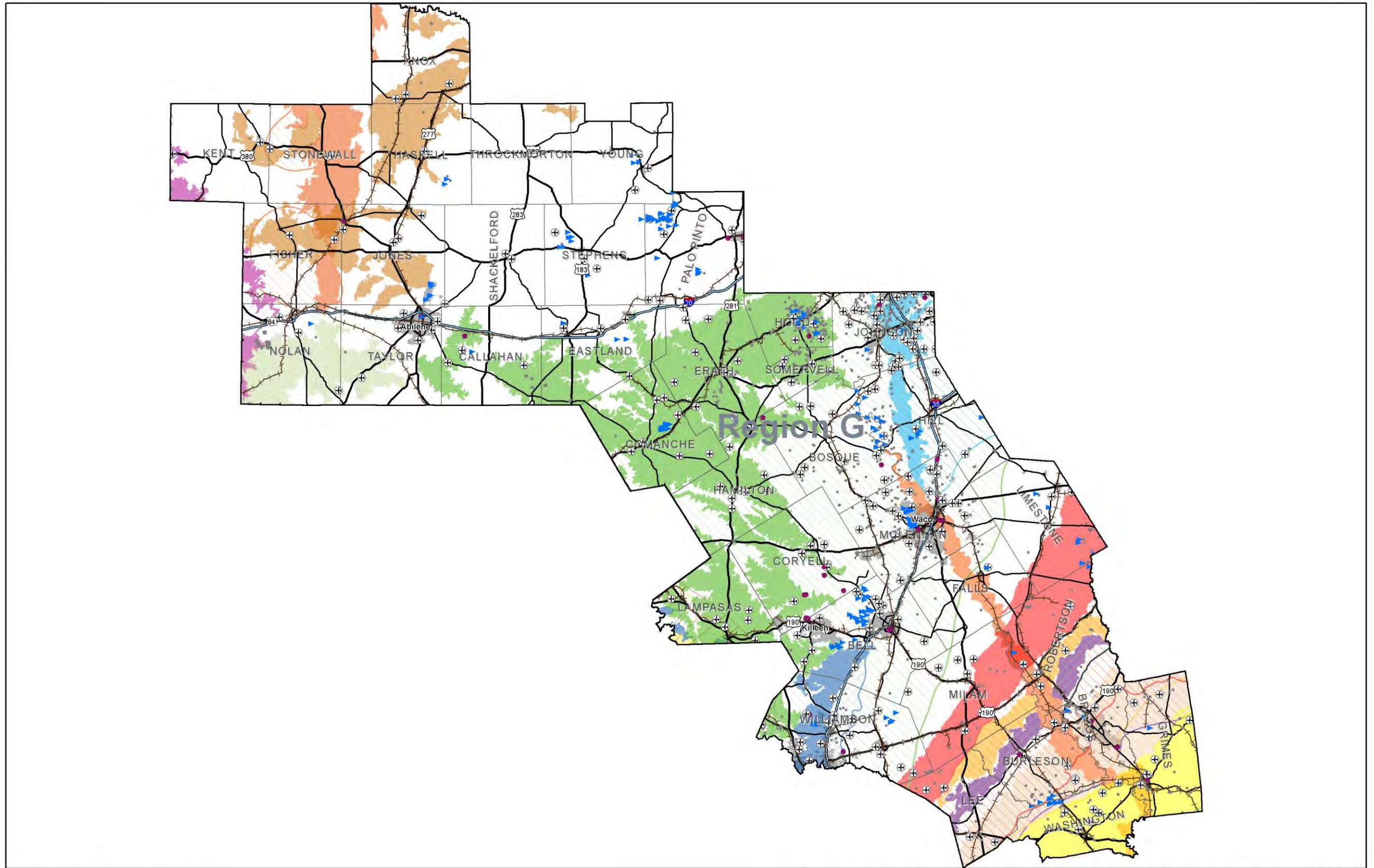
LBG-GUYTON ASSOCIATES

Plate 45



Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



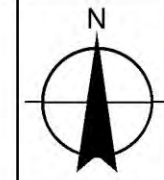
(Data from Texas Commission on Environmental Quality, 2010, Texas Department of Transportation, 2010, and Texas Water Development Board, 2010)

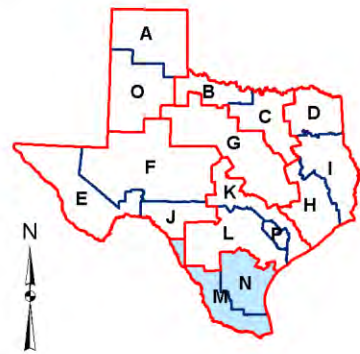
Location of Transportation Elements

Regions G

Explanation

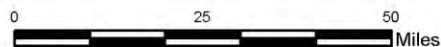
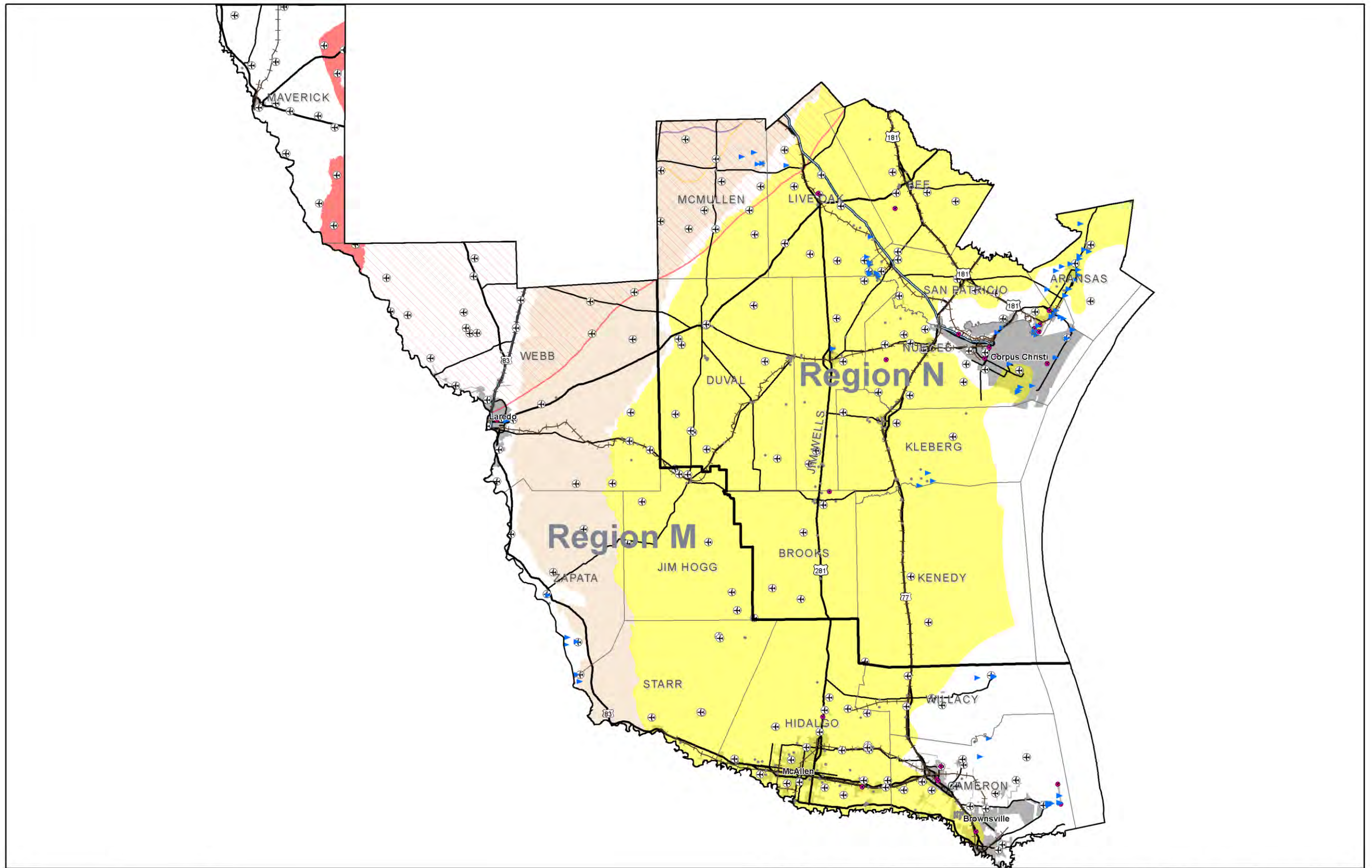
- Public Water Supply Wells
- Cities
- Regional Water Planning Groups
- Counties
- Aircraft
- Heliport
- Watercraft
- Railroad
- Major Highway
- US Highway
- State Highway





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



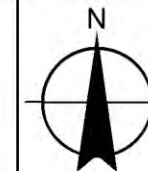
(Data from Texas Commission on Environmental Quality, 2010, Texas Department of Transportation, 2010, and Texas Water Development Board, 2010)

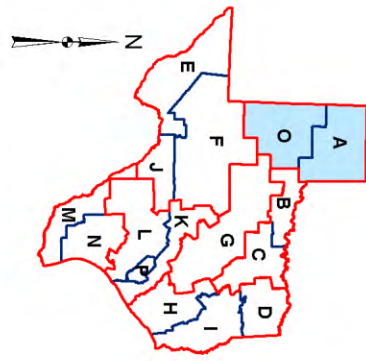
Location of Transportation Elements

Regions M and N

Explanation

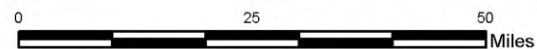
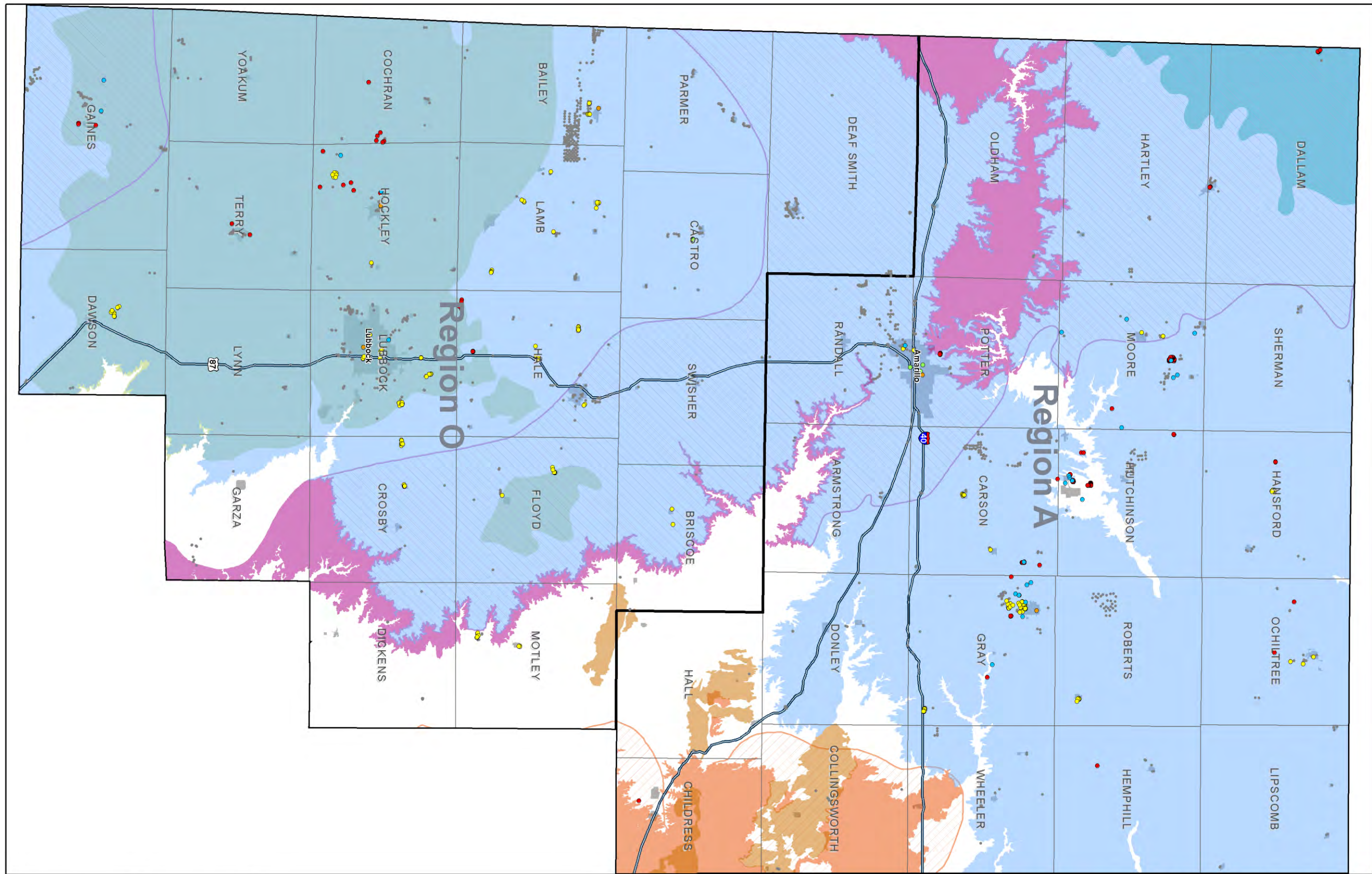
- | | | |
|----------------------------------|--------------|-----------------|
| • Public Water Supply Wells | ⊕ Aircraft | ⊕ Railroad |
| ■ Cities | • Heliport | — Major Highway |
| ▭ Regional Water Planning Groups | ▶ Watercraft | — US Highway |
| ▭ Counties | | — State Highway |





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

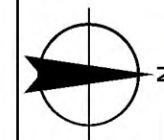


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Chemical Industry Sites
Regions A and O

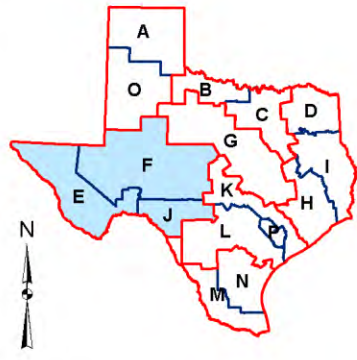
Explanation

- Chemical Storage
- Inorganic Chemical Industry
- Organic Chemical Industry
- Petroleum Chemical Industry
- Oil/Gas Production Tank
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



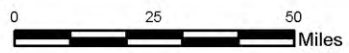
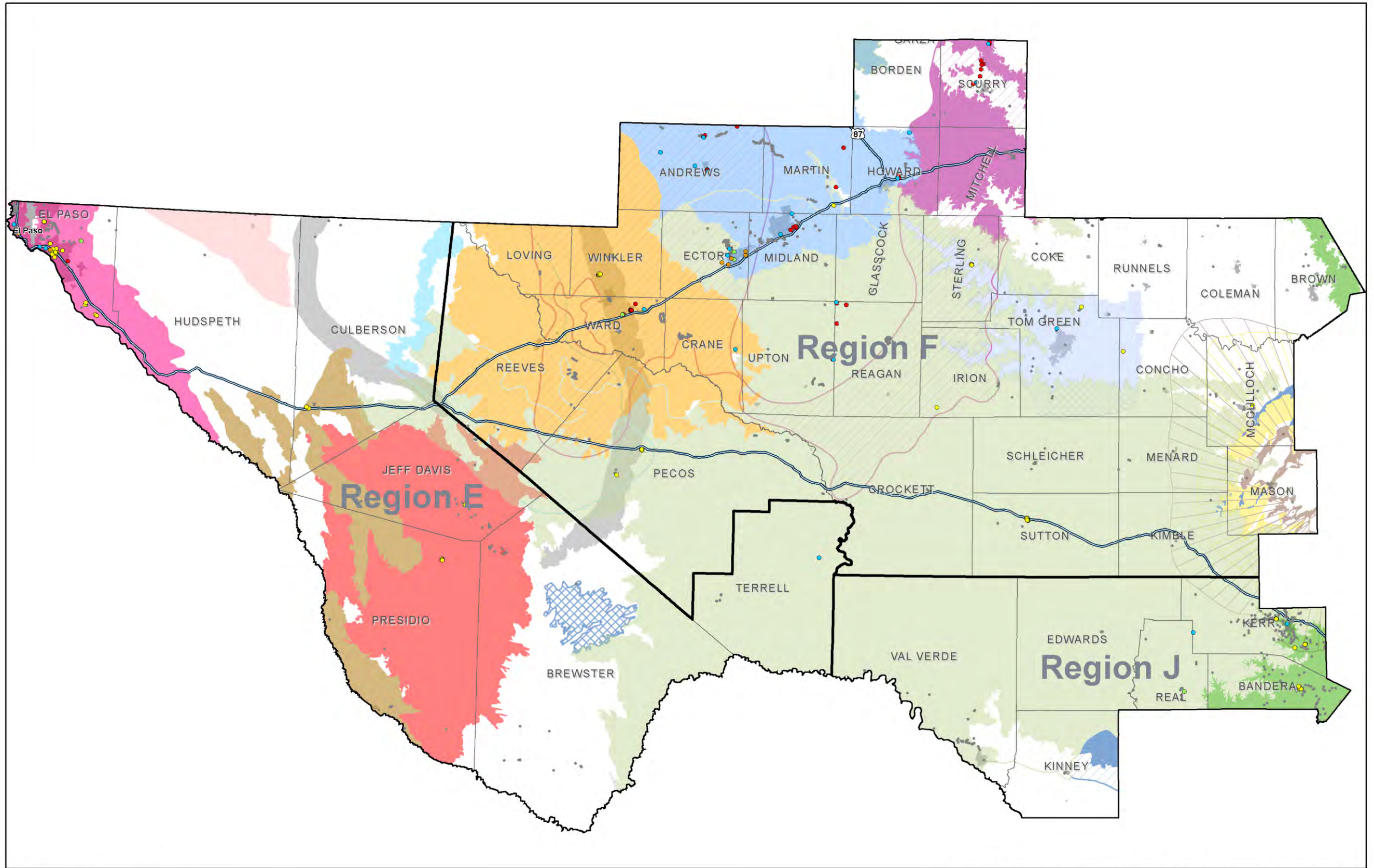
LBG-GUYTON ASSOCIATES

Plate 48



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

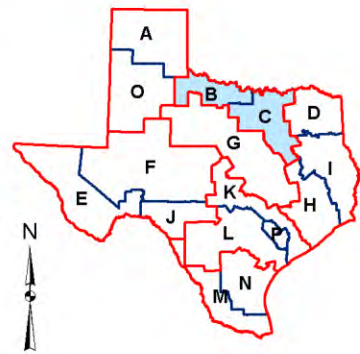
Location of Chemical Industry Sites
Regions E, F, and J

Explanation

- Chemical Storage
- Inorganic Chemical Industry
- Organic Chemical Industry
- Petroleum Chemical Industry
- Oil/Gas Production Tank
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

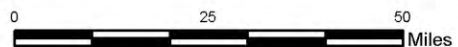
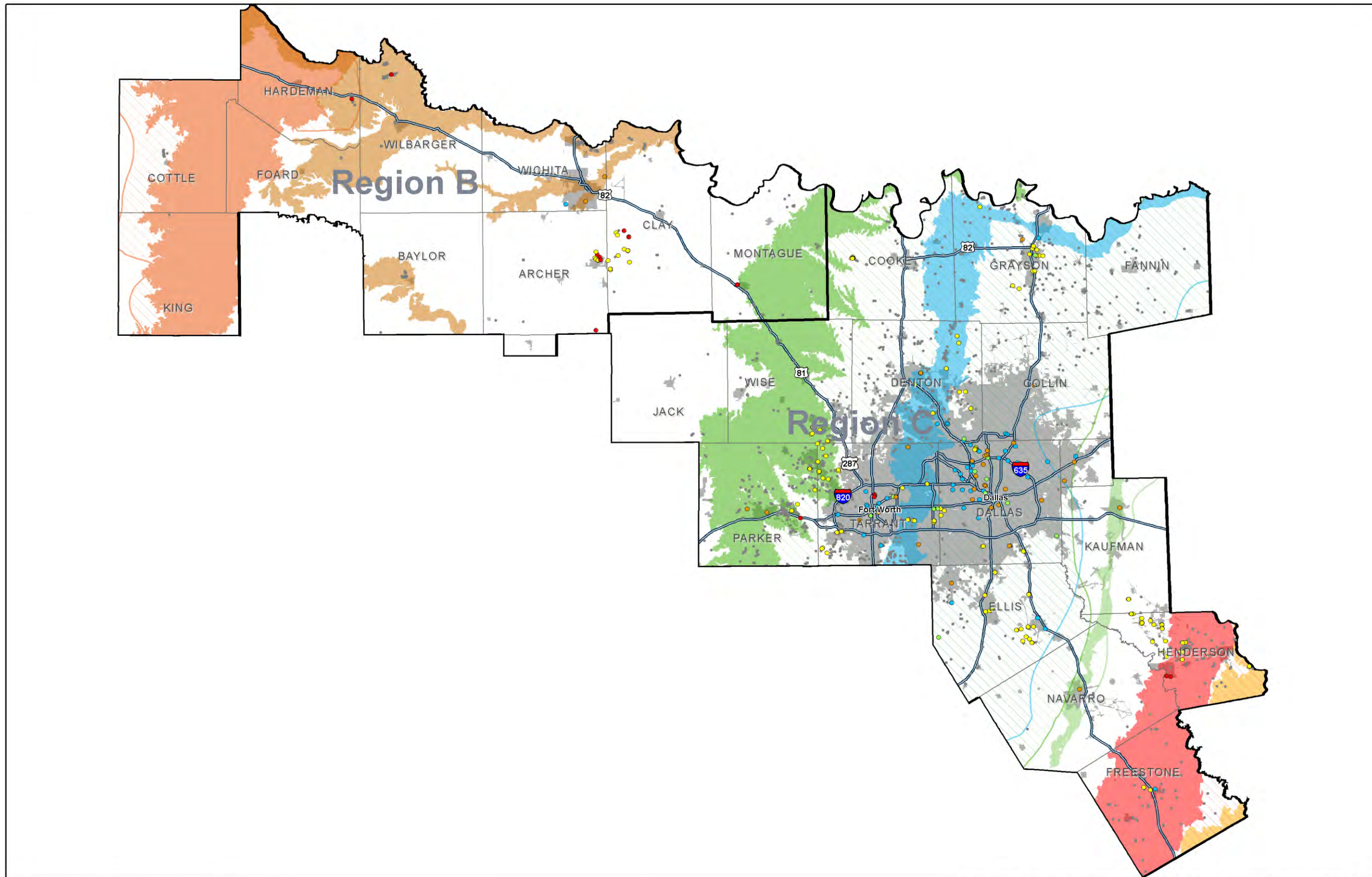


Plate 49



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

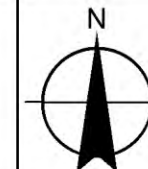


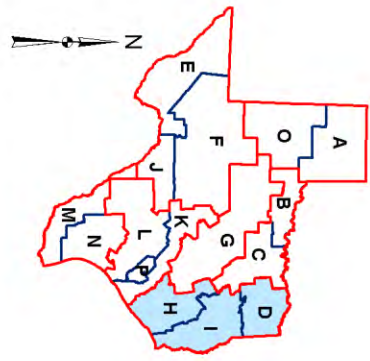
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Chemical Industry Sites
Regions B and C

Explanation

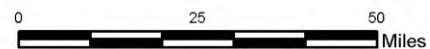
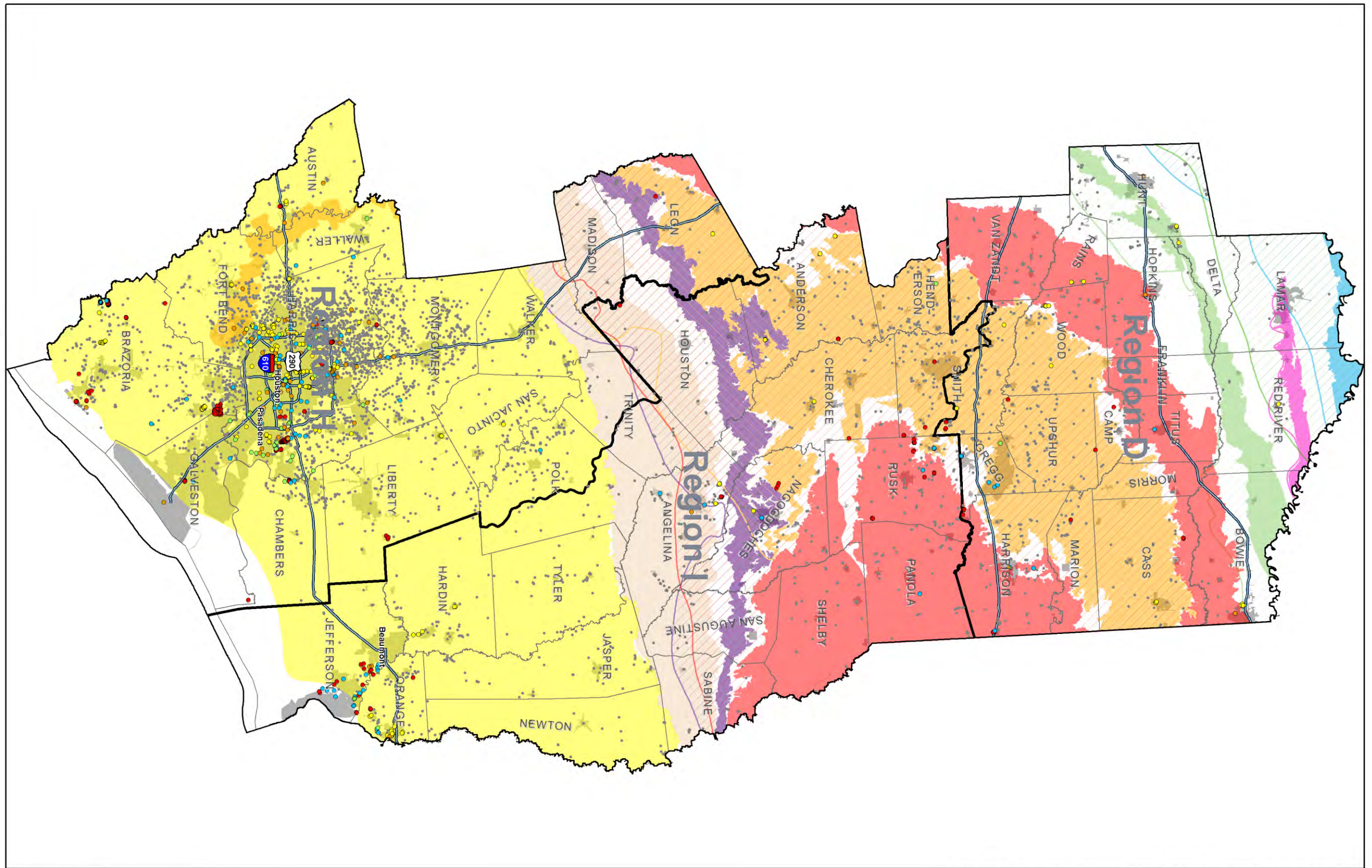
- Chemical Storage
- Inorganic Chemical Industry
- Organic Chemical Industry
- Petroleum Chemical Industry
- Oil/Gas Production Tank
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)

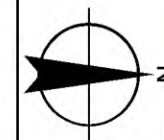


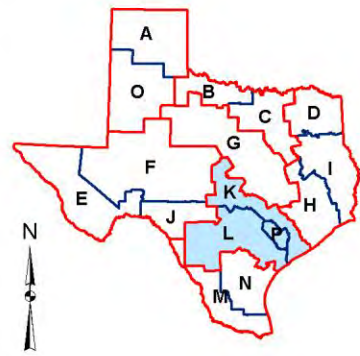
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Chemical Industry Sites
Regions D, H, and I

Explanation

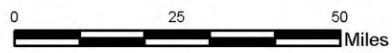
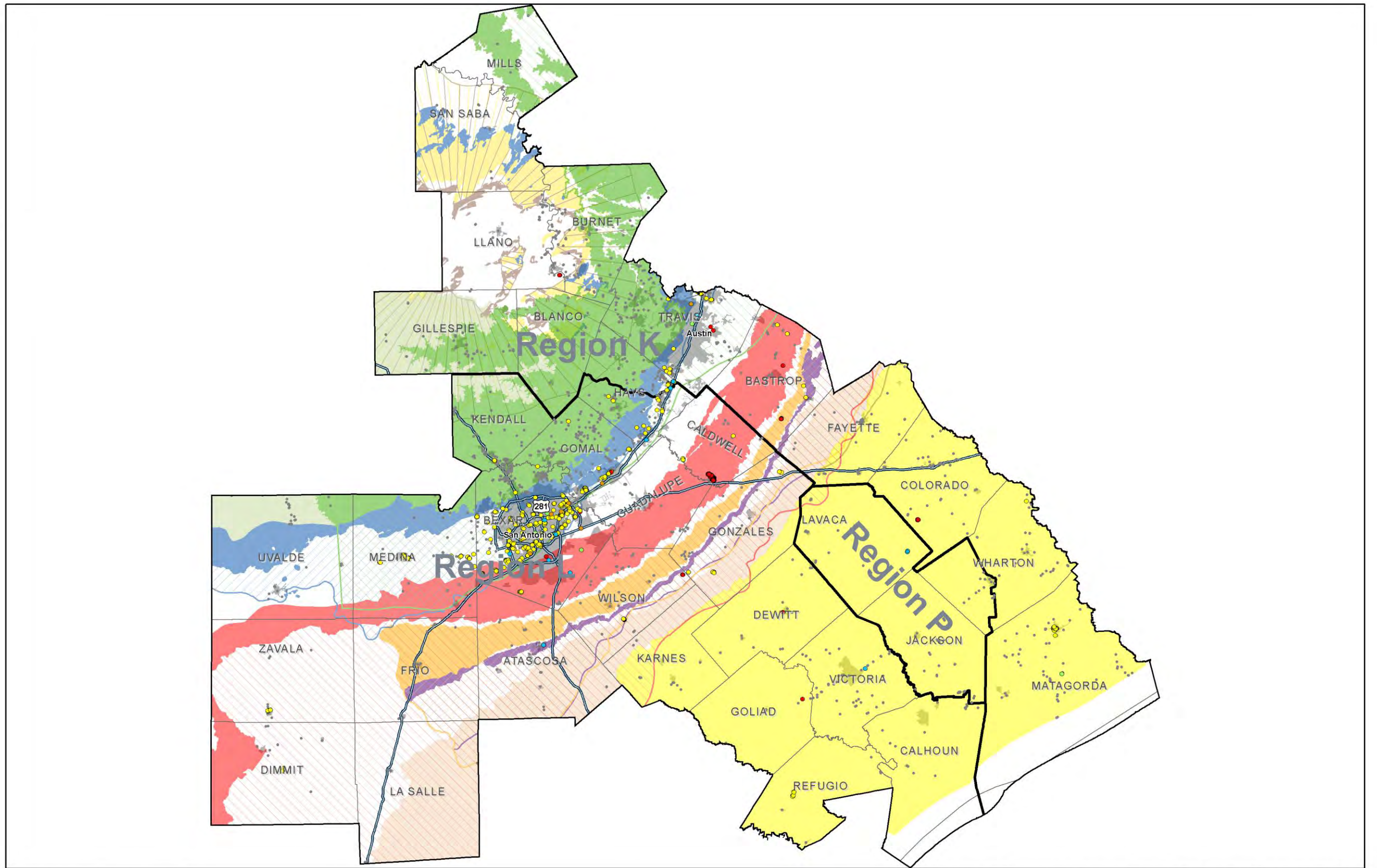
- Chemical Storage
- Inorganic Chemical Industry
- Organic Chemical Industry
- Petroleum Chemical Industry
- Oil/Gas Production Tank
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

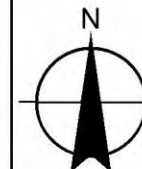


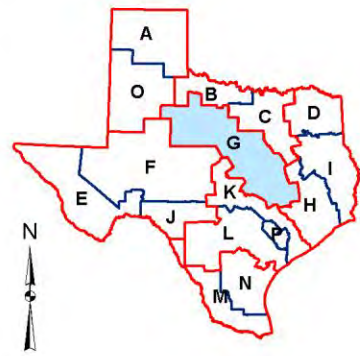
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Chemical Industry Sites
Regions K, L, and P

Explanation

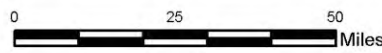
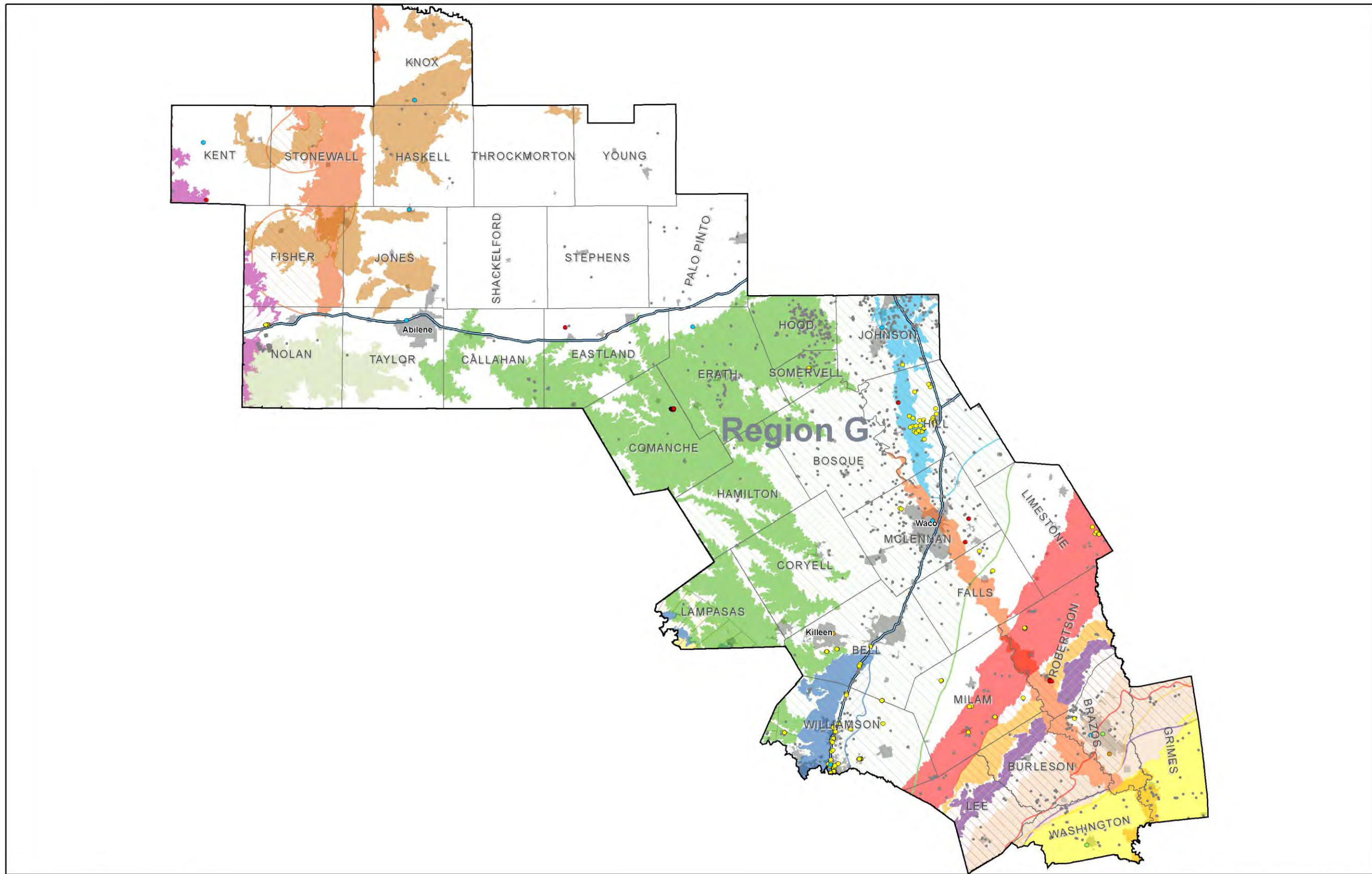
- Chemical Storage
- Public Water Supply Wells
- Inorganic Chemical Industry
- Major Highway
- Organic Chemical Industry
- Regional Water Planning Groups
- Petroleum Chemical Industry
- Counties
- Oil/Gas Production Tank
- Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)

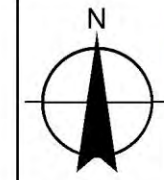


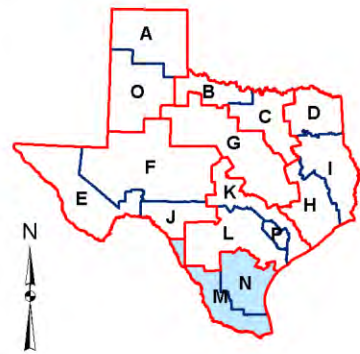
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Chemical Industry Sites
Regions G

Explanation

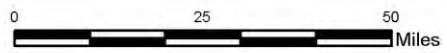
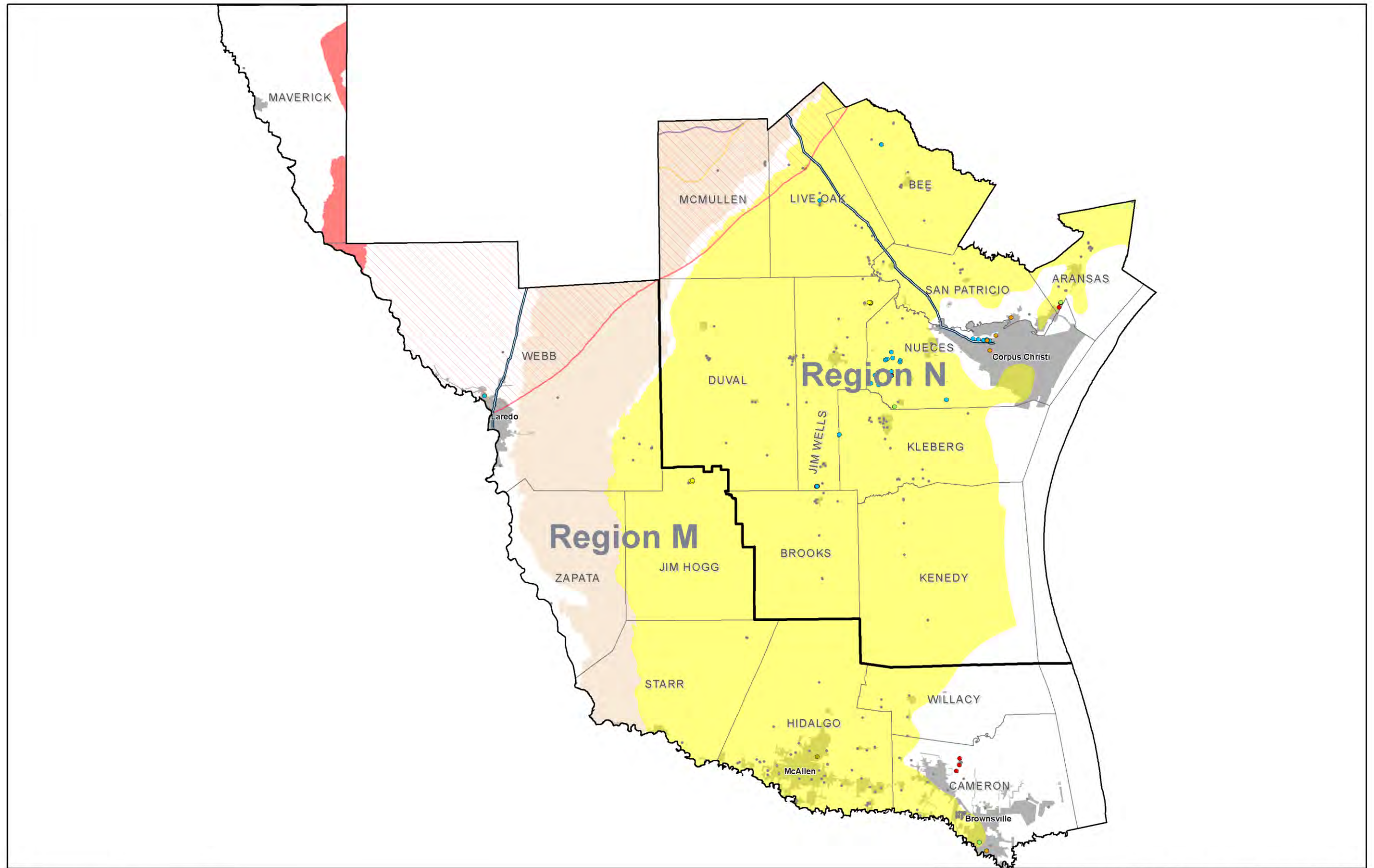
- Chemical Storage
- Inorganic Chemical Industry
- Organic Chemical Industry
- Petroleum Chemical Industry
- Oil/Gas Production Tank
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



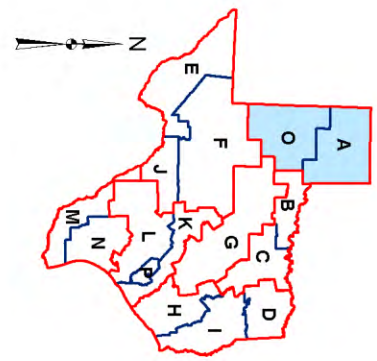
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Chemical Industry Sites
Regions M and N

Explanation

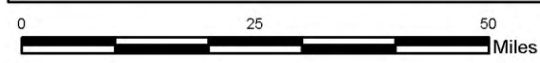
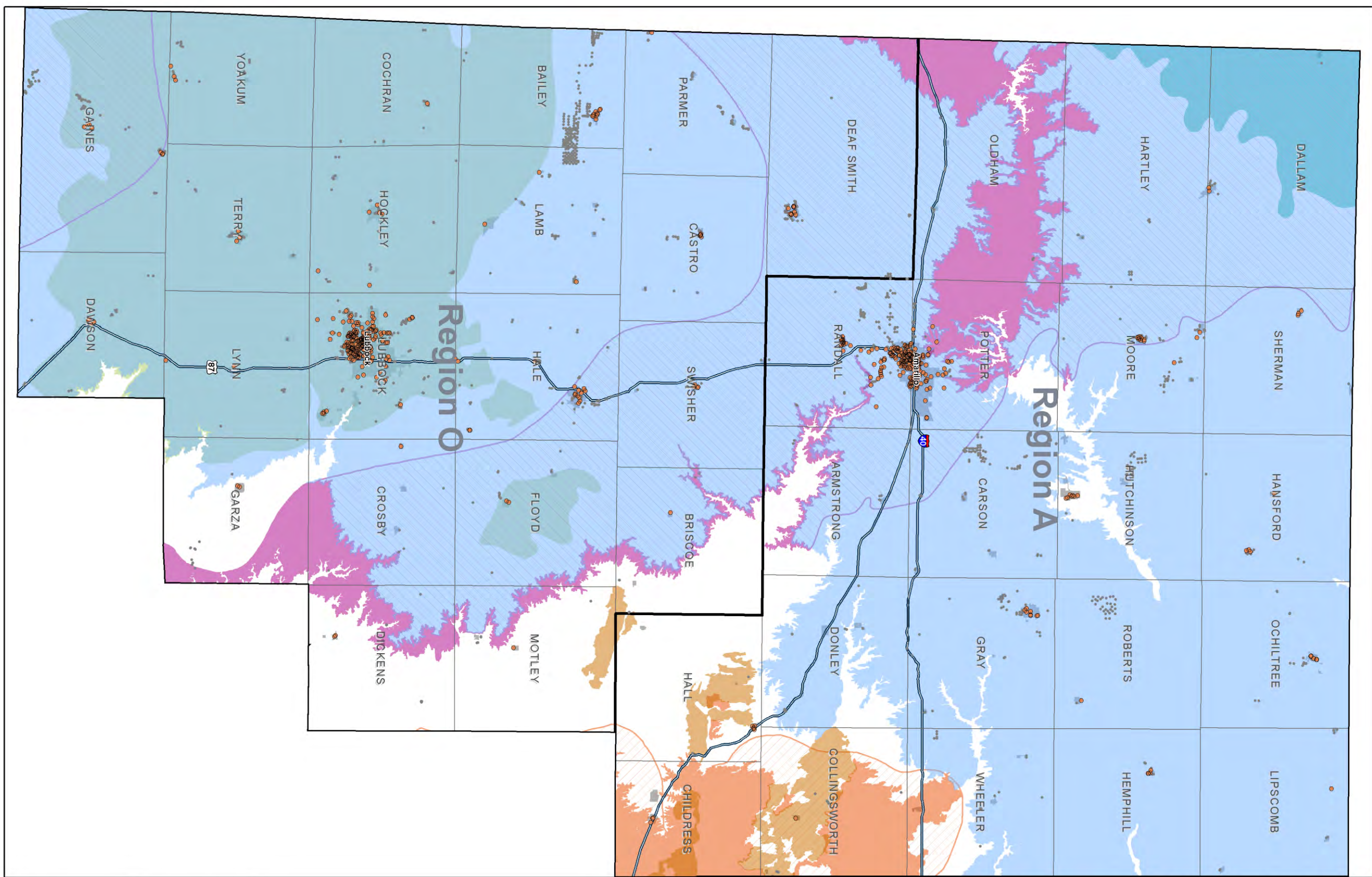
- Chemical Storage
- Public Water Supply Wells
- Inorganic Chemical Industry
- Major Highway
- Organic Chemical Industry
- Regional Water Planning Groups
- Petroleum Chemical Industry
- Counties
- Oil/Gas Production Tank
- Cities





Major and Minor Aquifers

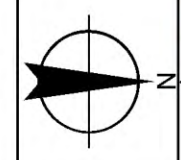
- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

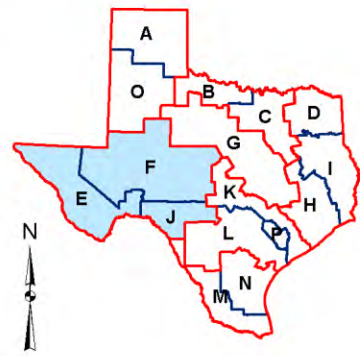


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Fertilizer and Pesticide Industry Sites
Regions A and O

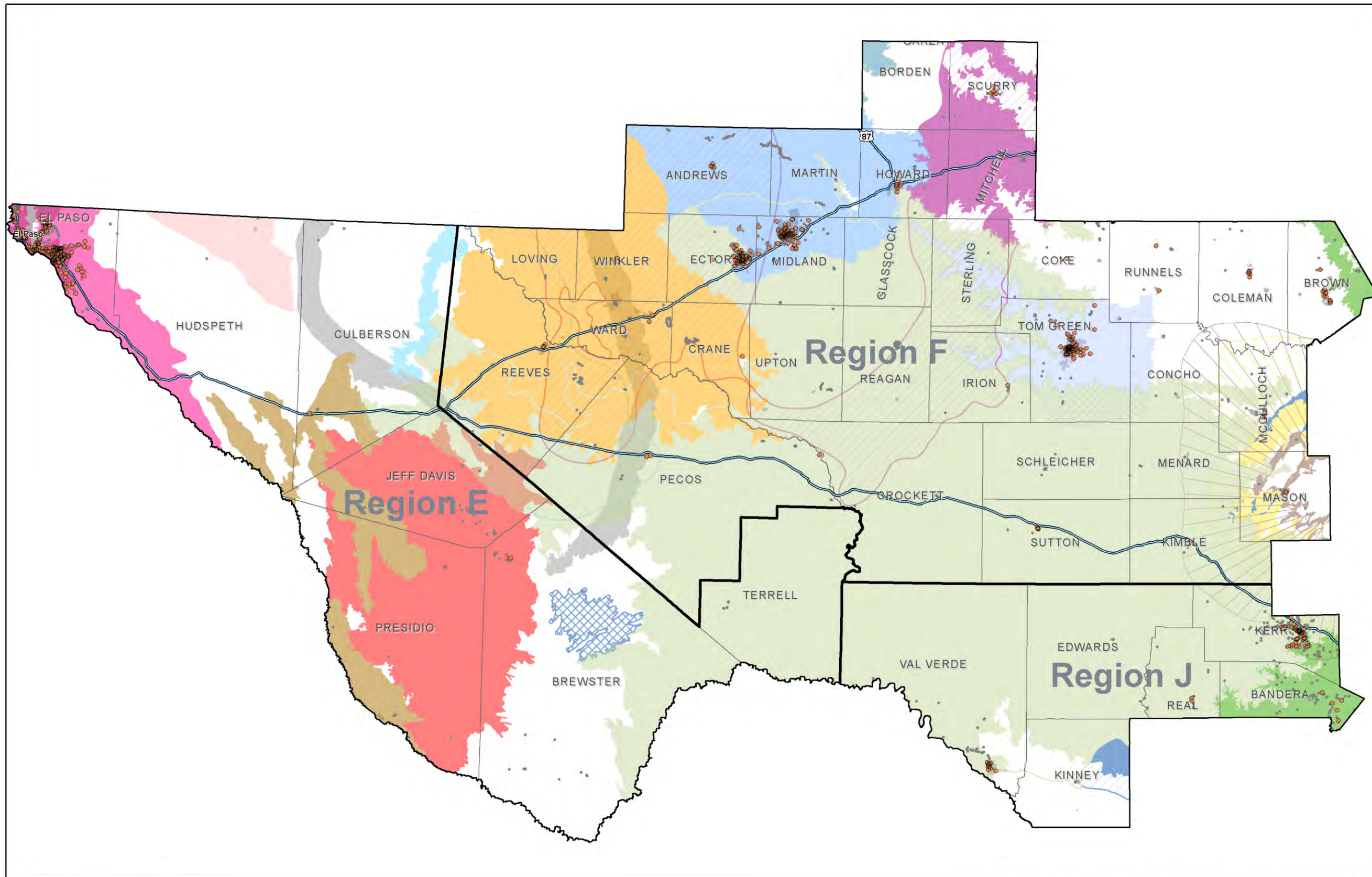
- Explanation**
- Pesticide/Fertilizer
 - Public Water Supply Wells
 - Major Highway
 - Counties
 - Regional Water Planning Groups
 - Cities





Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

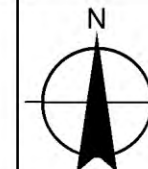


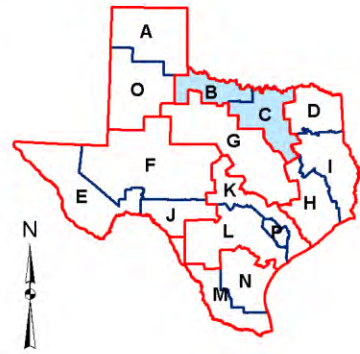
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Fertilizer and Pesticide Industry Sites
Regions E, F, and J

Explanation

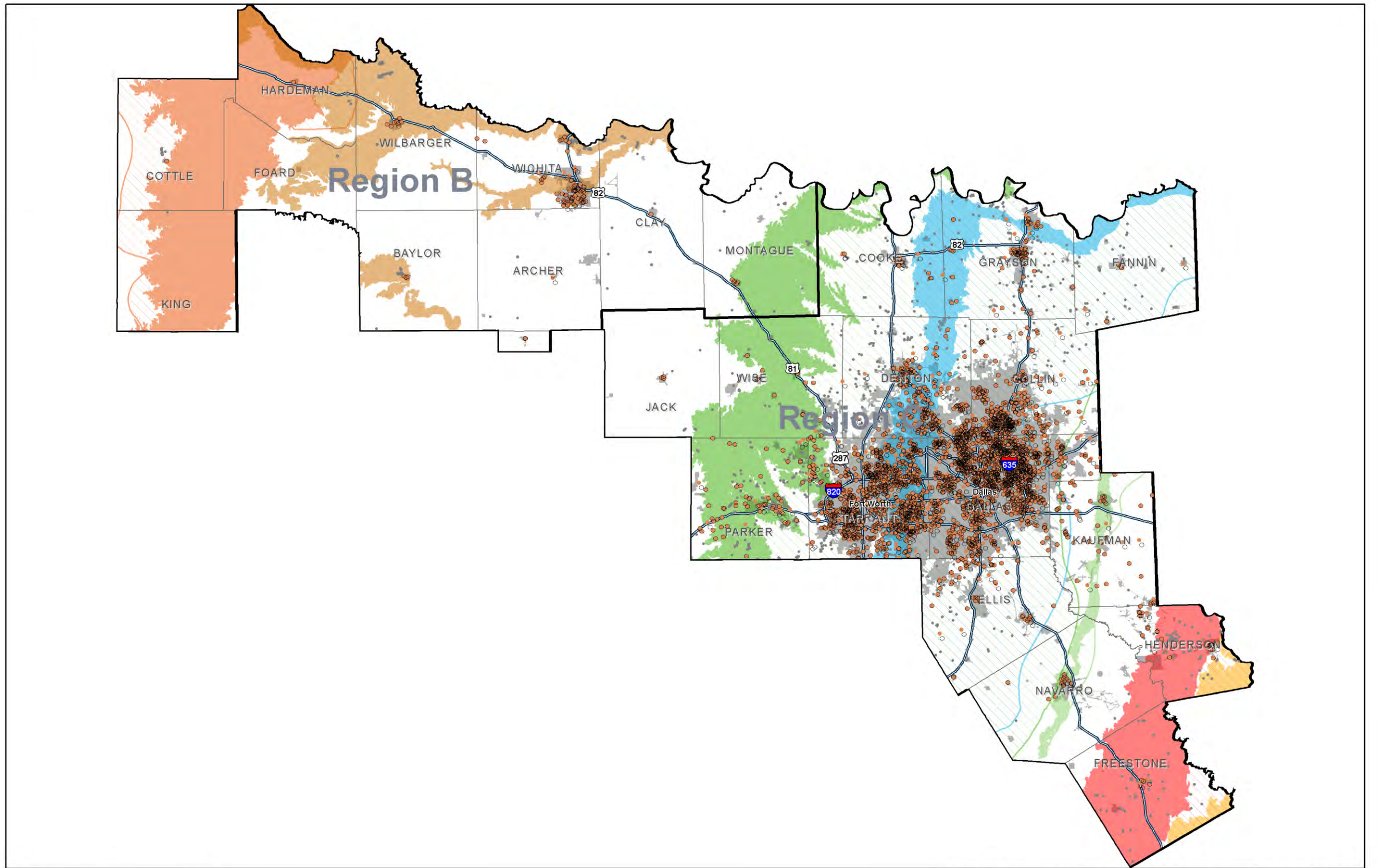
- Pesticide/Fertilizer
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

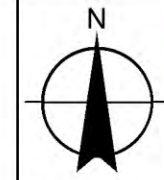


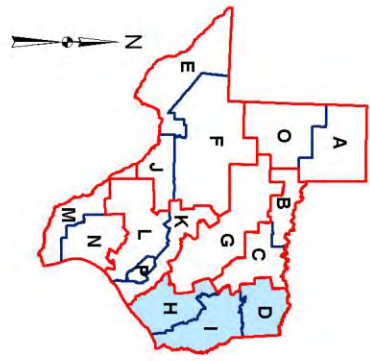
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Fertilizer and Pesticide Industry Sites
Regions B and C

Explanation

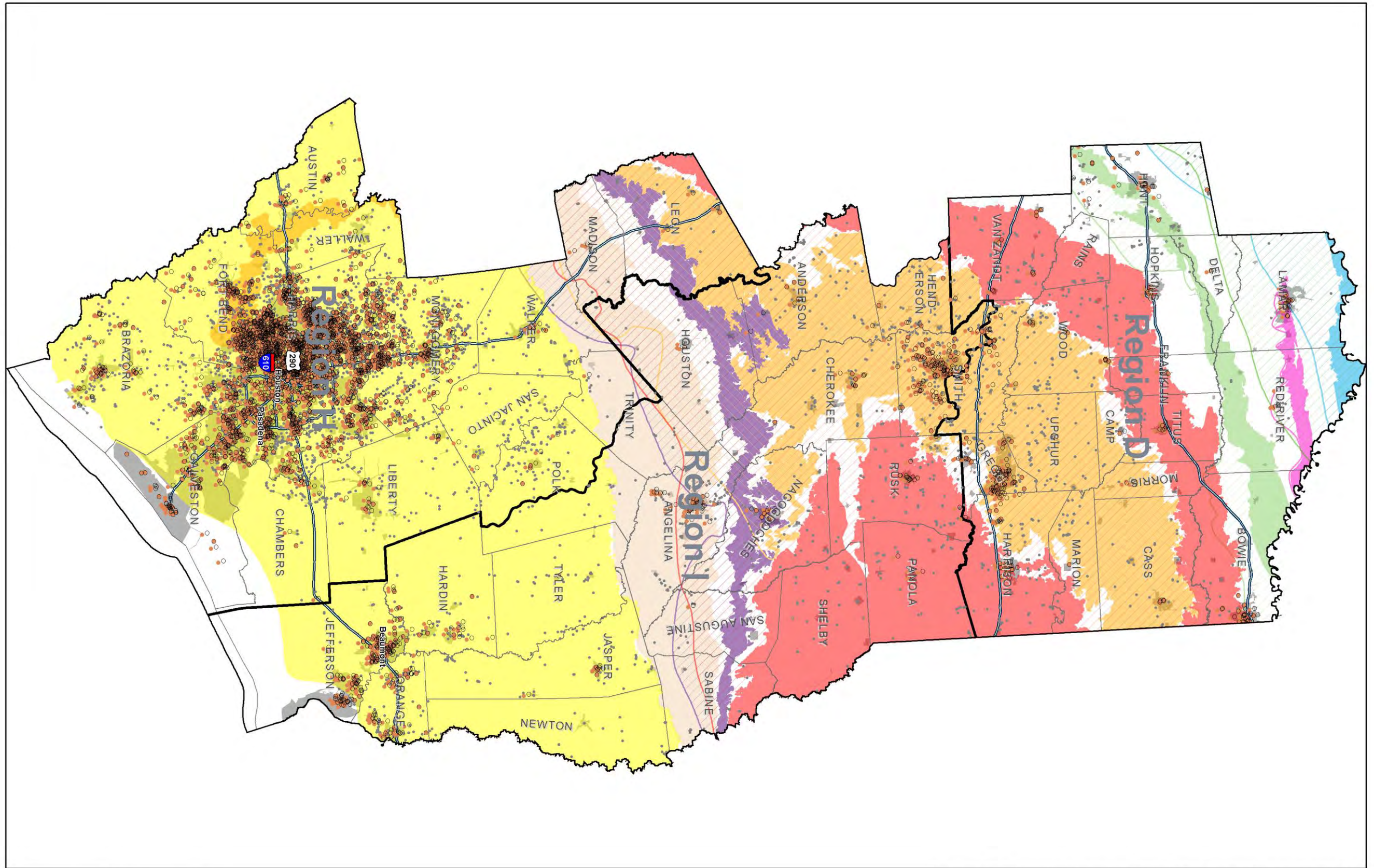
- Pesticide/Fertilizer
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



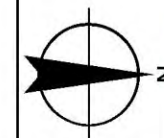
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Fertilizer and Pesticide Industry Sites

Regions D, H, and I

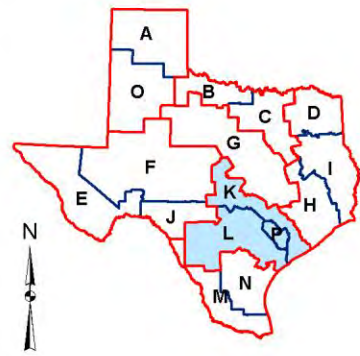
Explanation

- Pesticide/Fertilizer
- Counties
- Regional Water Planning Groups
- Cities
- Major Highway



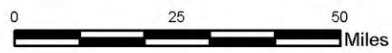
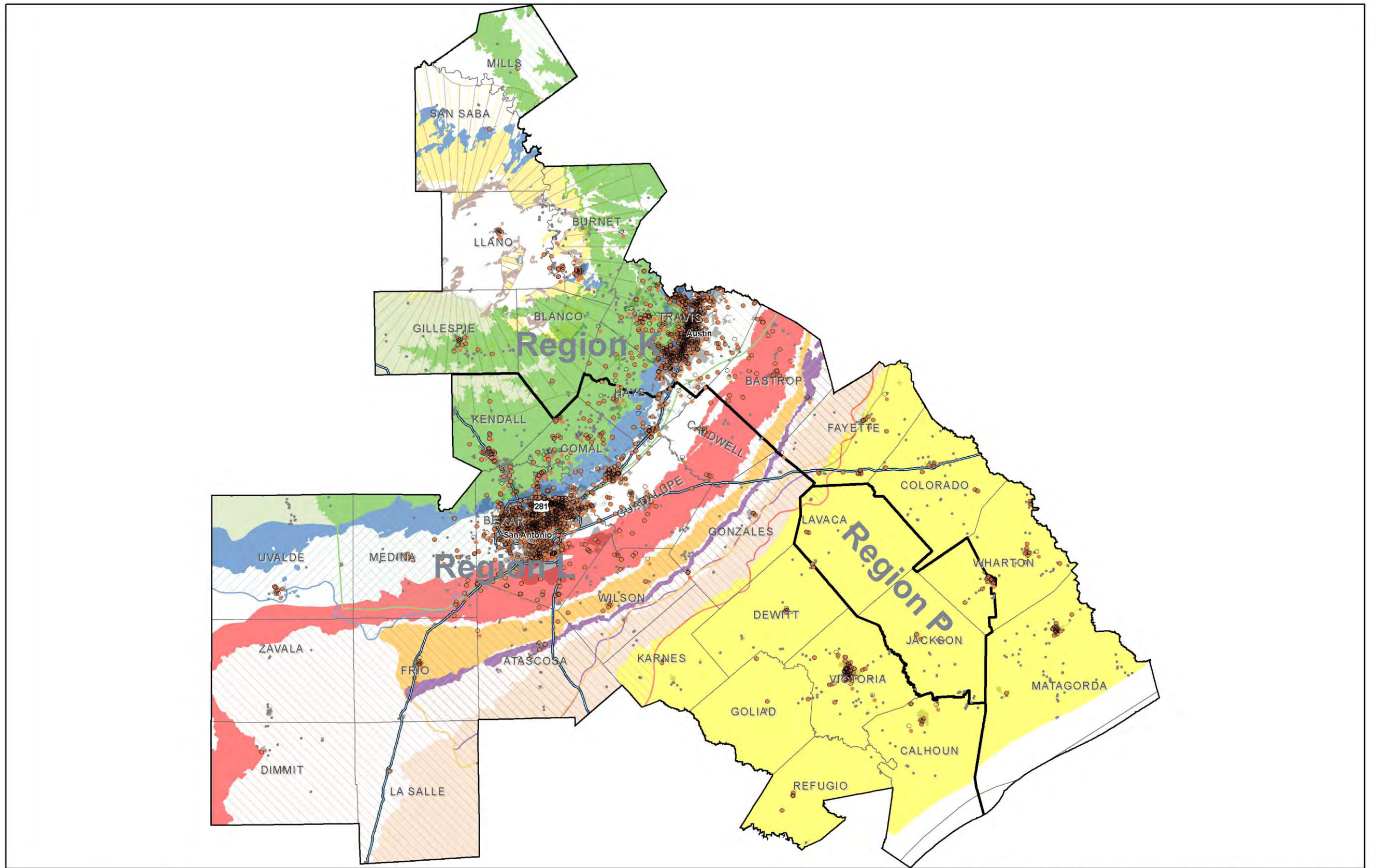
LBG-GUYTON ASSOCIATES

Plate 58



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

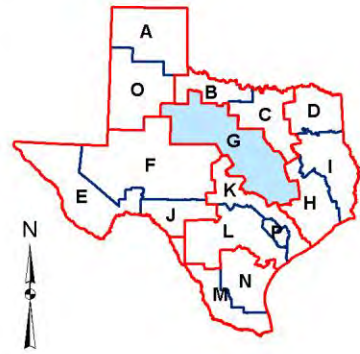


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Fertilizer and Pesticide Industry Sites
Regions K, L, and P

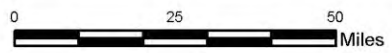
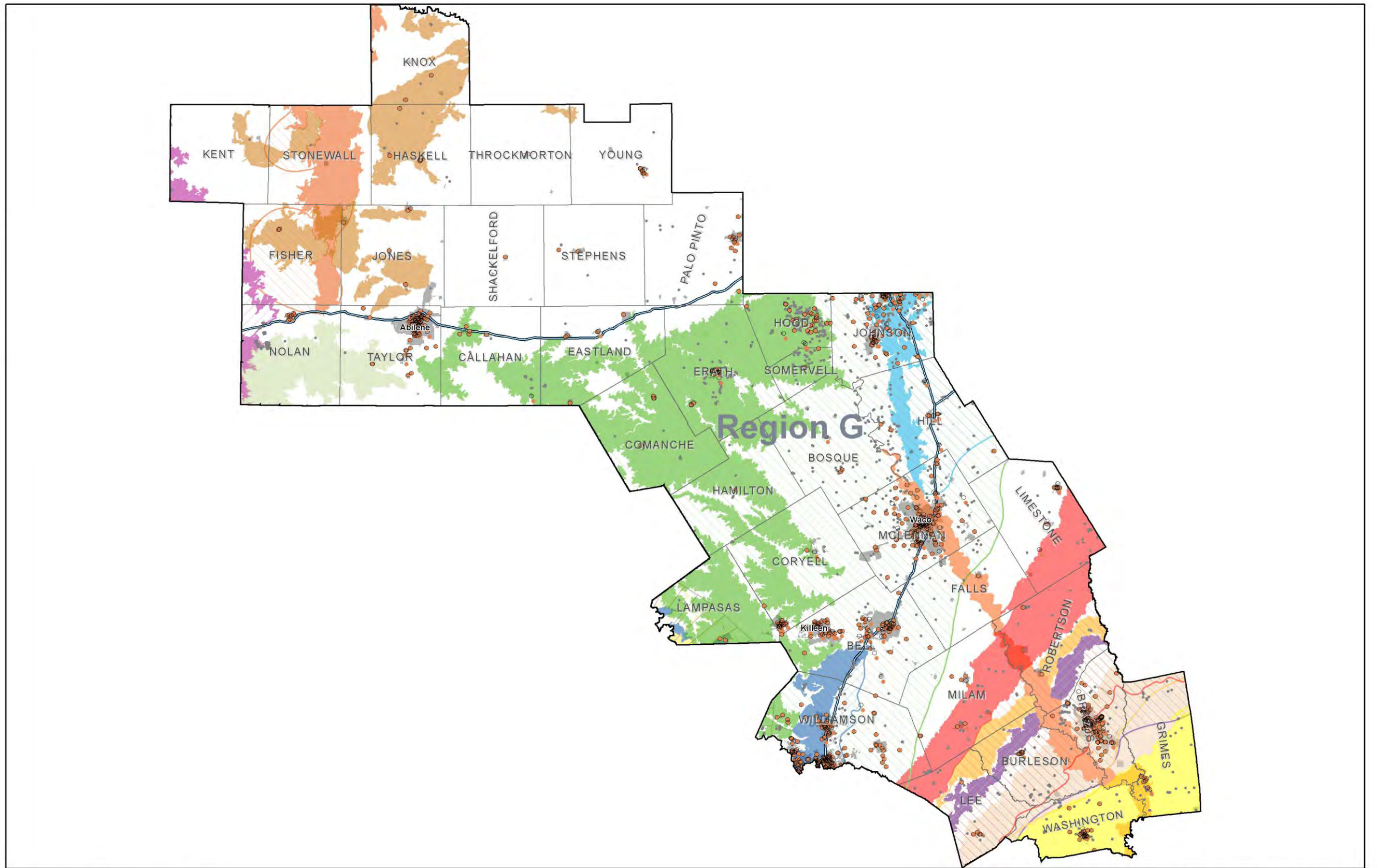
- Explanation**
- Pesticide/Fertilizer
 - Public Water Supply Wells
 - Major Highway
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Fertilizer and Pesticide Industry Sites

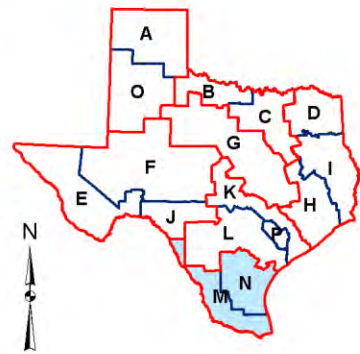
Regions G

Explanation

- Pesticide/Fertilizer
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

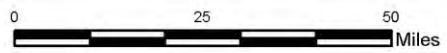
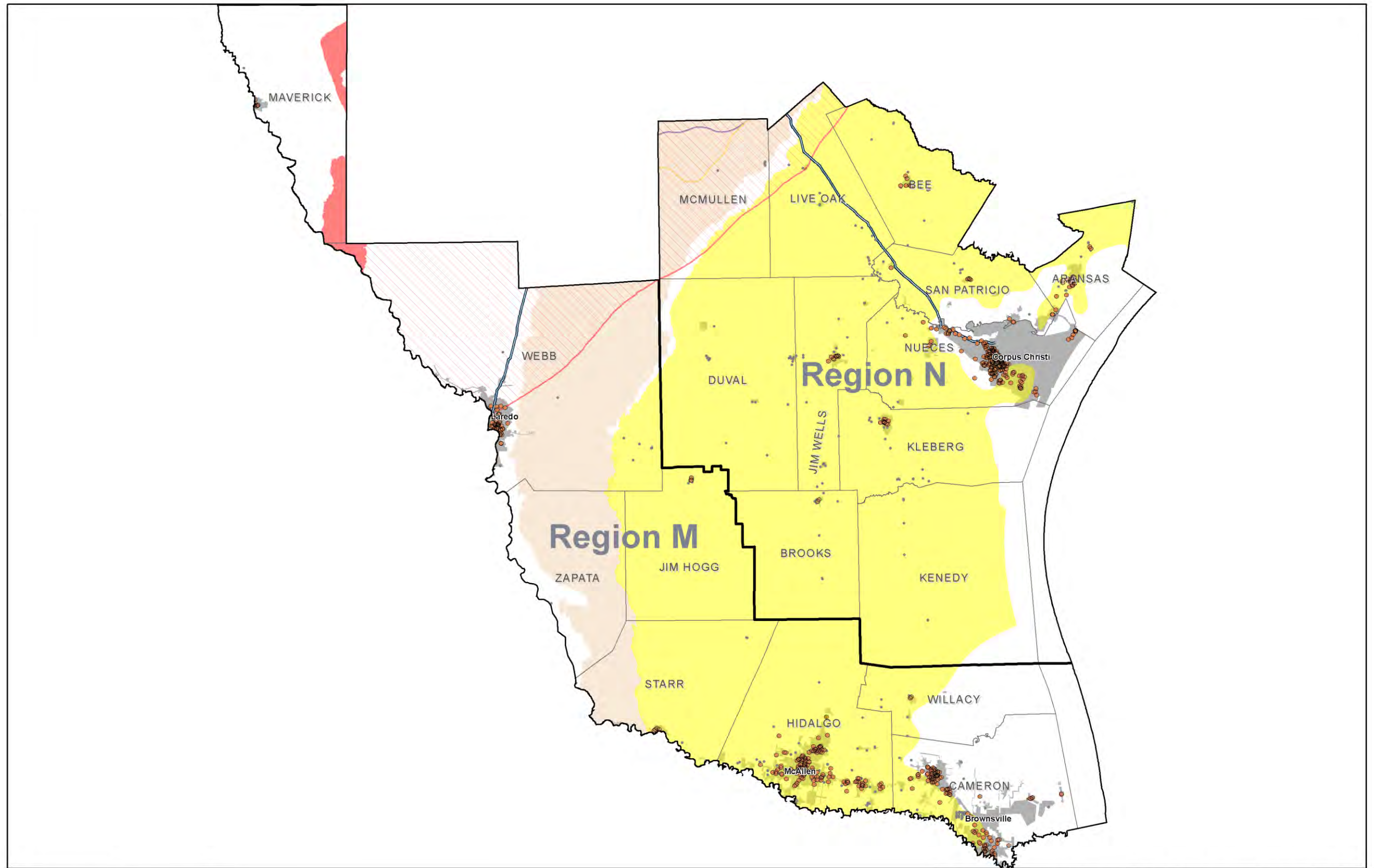


Plate 60



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



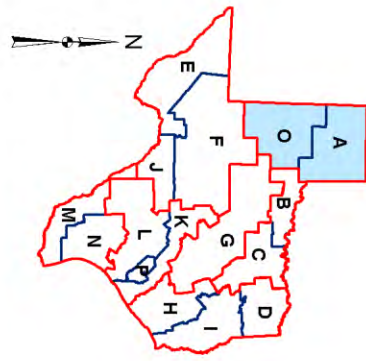
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Fertilizer and Pesticide Industry Sites
Regions M and N

Explanation

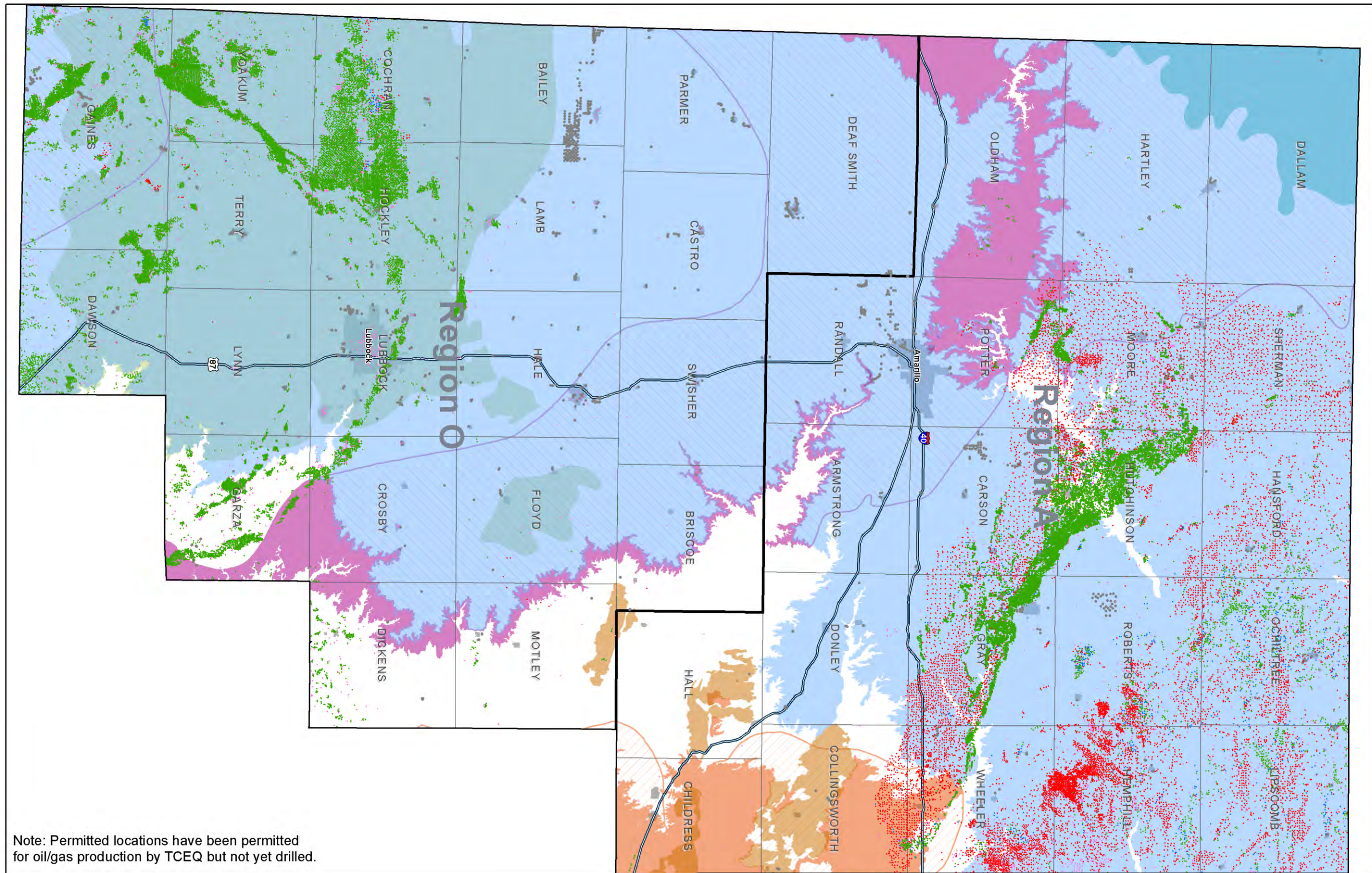
- Pesticide/Fertilizer
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



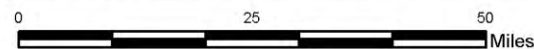


Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



Note: Permitted locations have been permitted for oil/gas production by TCEQ but not yet drilled.

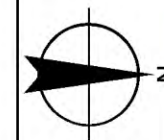


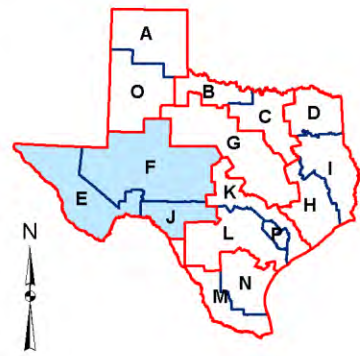
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010, and Texas Water Development Board, 2010)

Location of Active Oil and Gas Wells
Regions A and O

Explanation

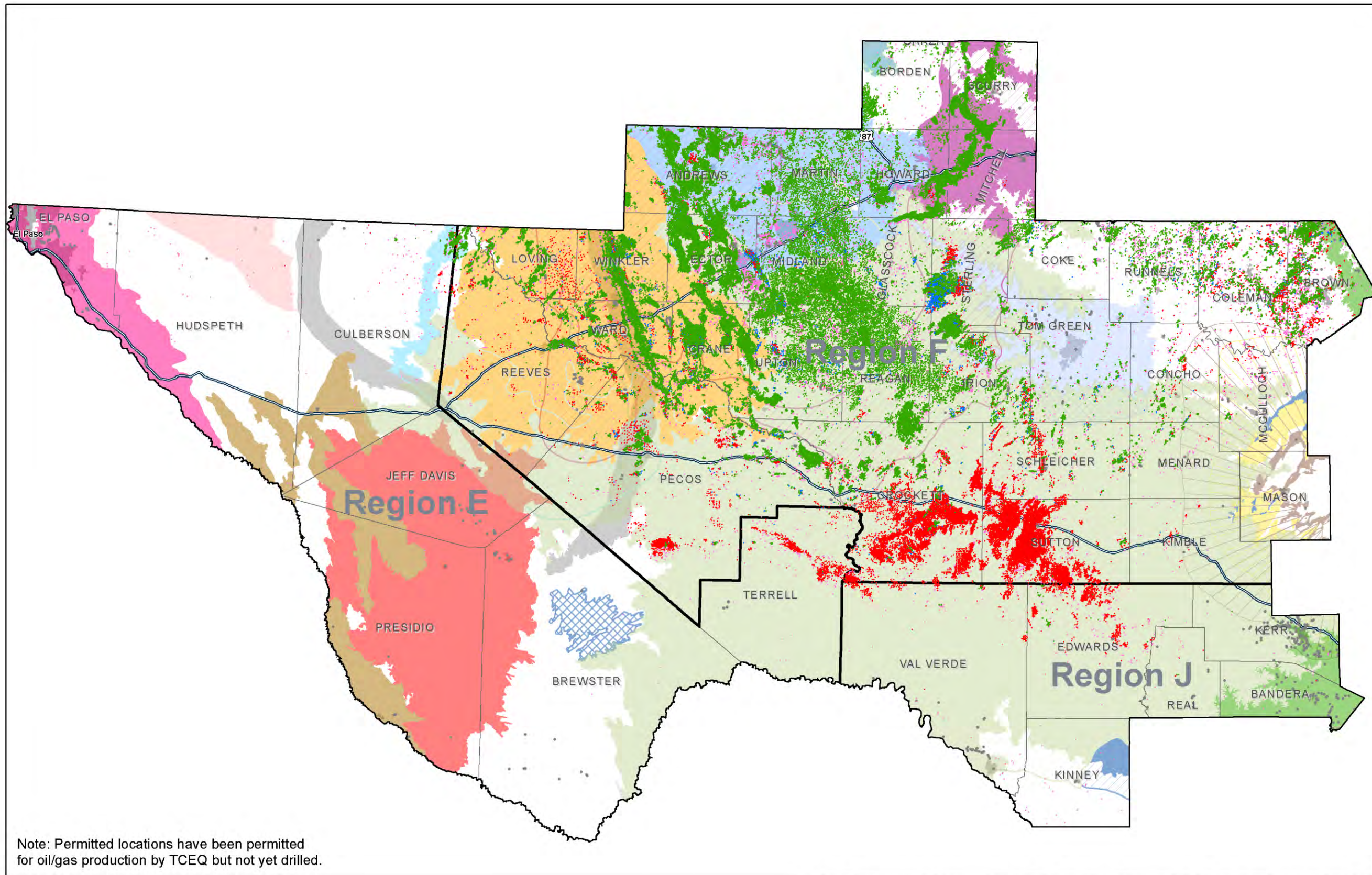
- Oil Well
- Gas Well
- Oil/Gas Well
- Permitted Location
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities





Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010, and Texas Water Development Board, 2010)

Location of Active Oil and Gas Wells

Regions E, F, and J

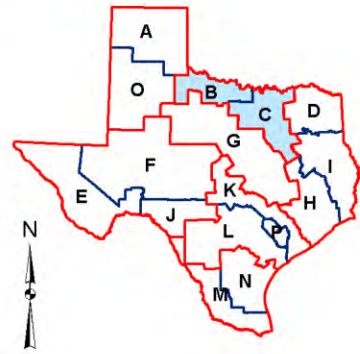
Explanation

- Oil Well
- Gas Well
- Oil/Gas Well
- Permitted Location
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



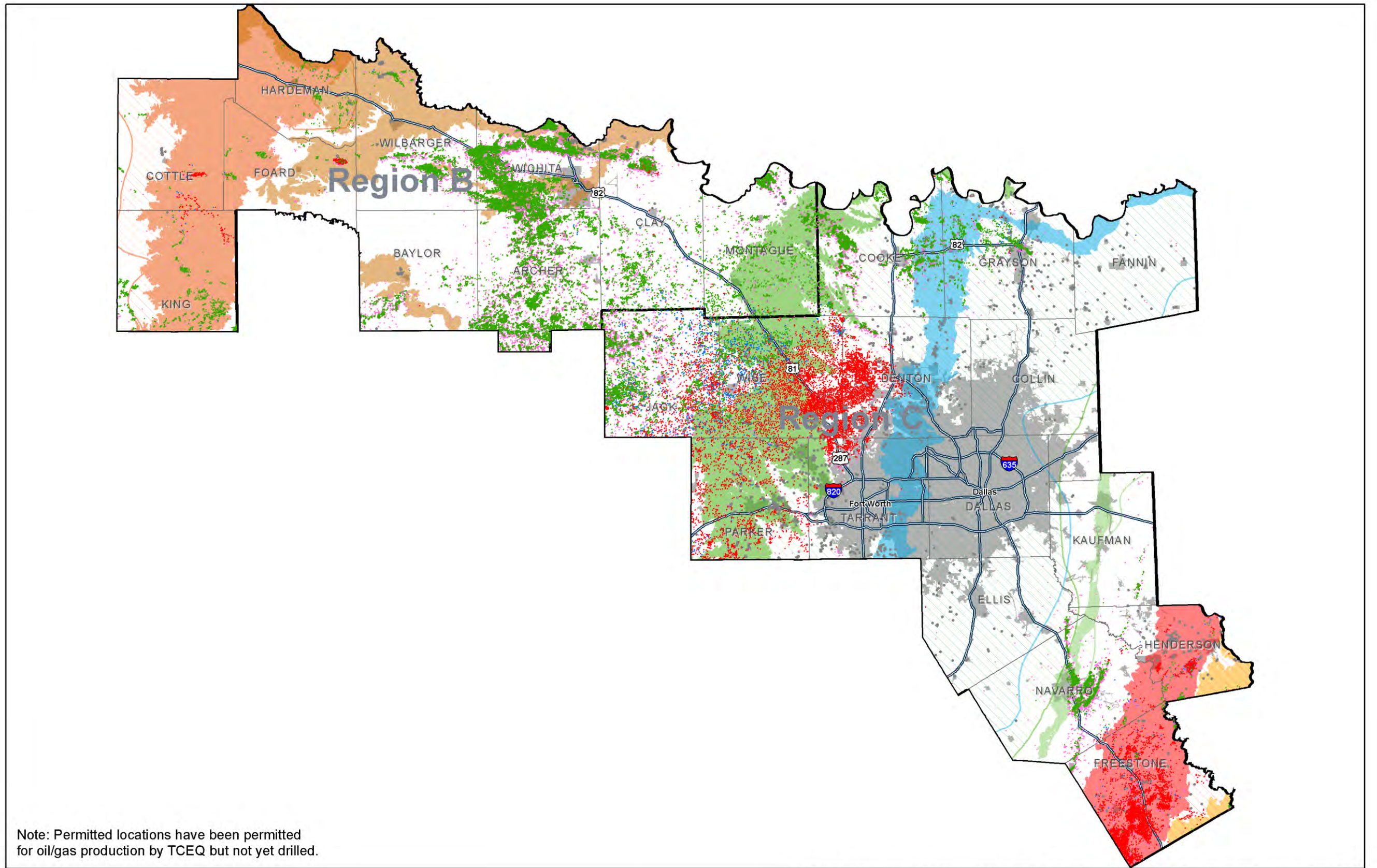
LBG-GUYTON ASSOCIATES

Plate 63

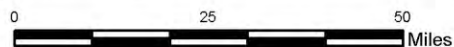


Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



Note: Permitted locations have been permitted for oil/gas production by TCEQ but not yet drilled.

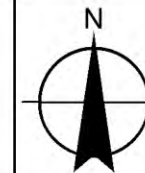


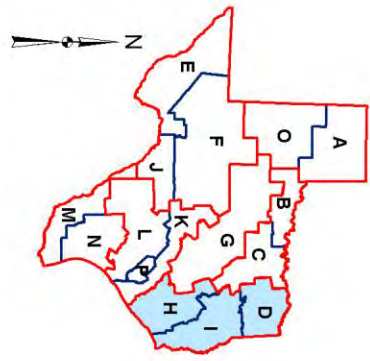
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010, and Texas Water Development Board, 2010)

Location of Active Oil and Gas Wells
Regions B and C

Explanation

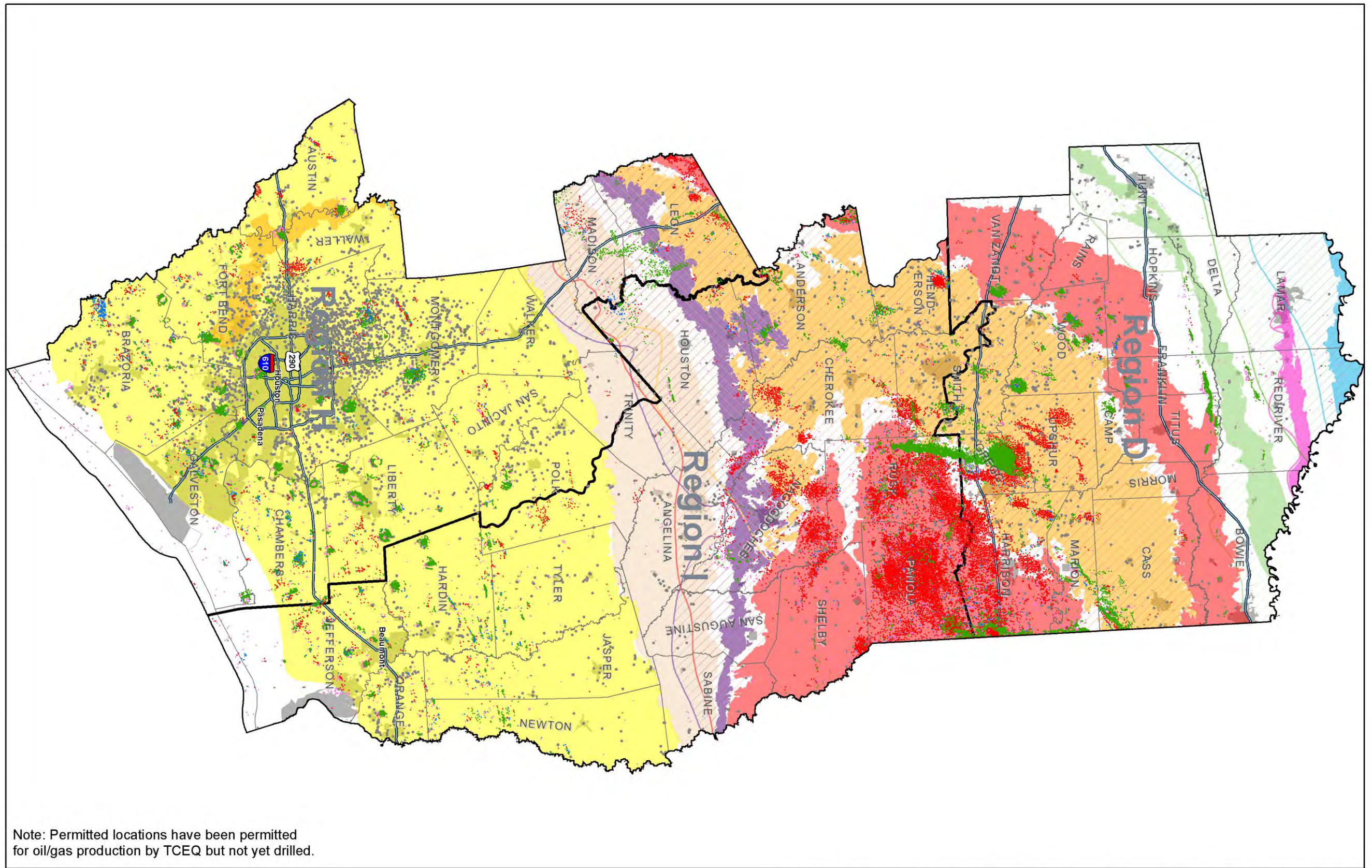
- Oil Well
- Gas Well
- Oil/Gas Well
- Permitted Location
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



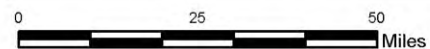


Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



Note: Permitted locations have been permitted for oil/gas production by TCEQ but not yet drilled.

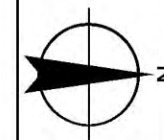


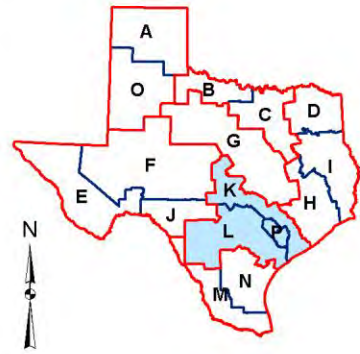
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010, and Texas Water Development Board, 2010)

Location of Active Oil and Gas Wells
Regions D, H, and I

Explanation

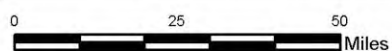
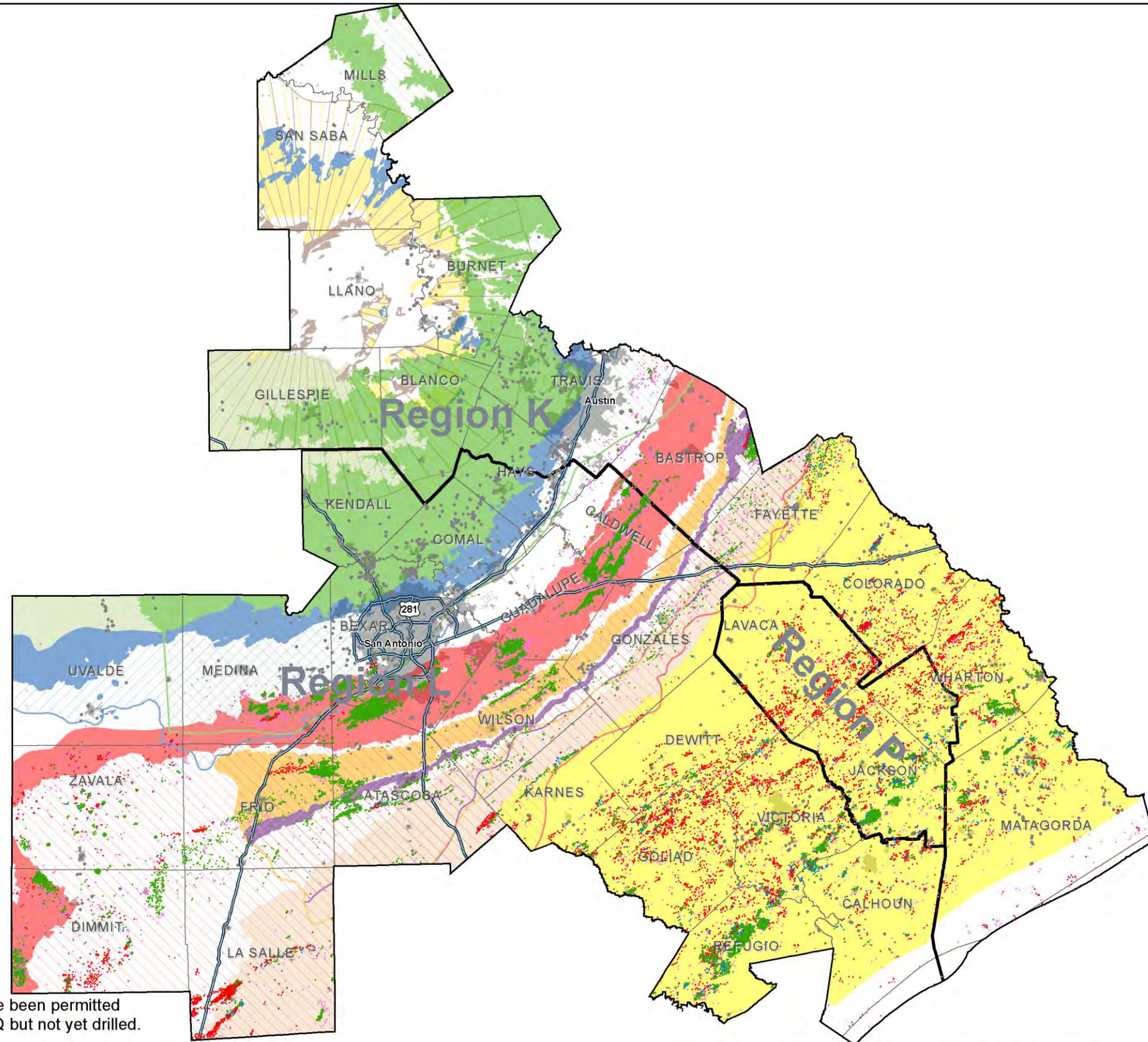
- Oil Well
- Gas Well
- Oil/Gas Well
- Permitted Location
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

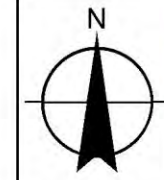


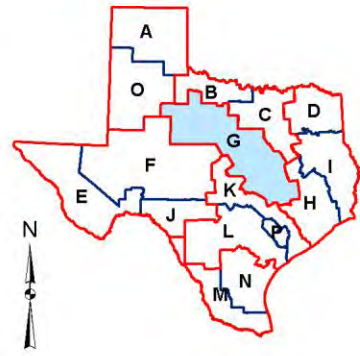
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010, and Texas Water Development Board, 2010)

Location of Active Oil and Gas Wells
Regions K, L, and P

Explanation

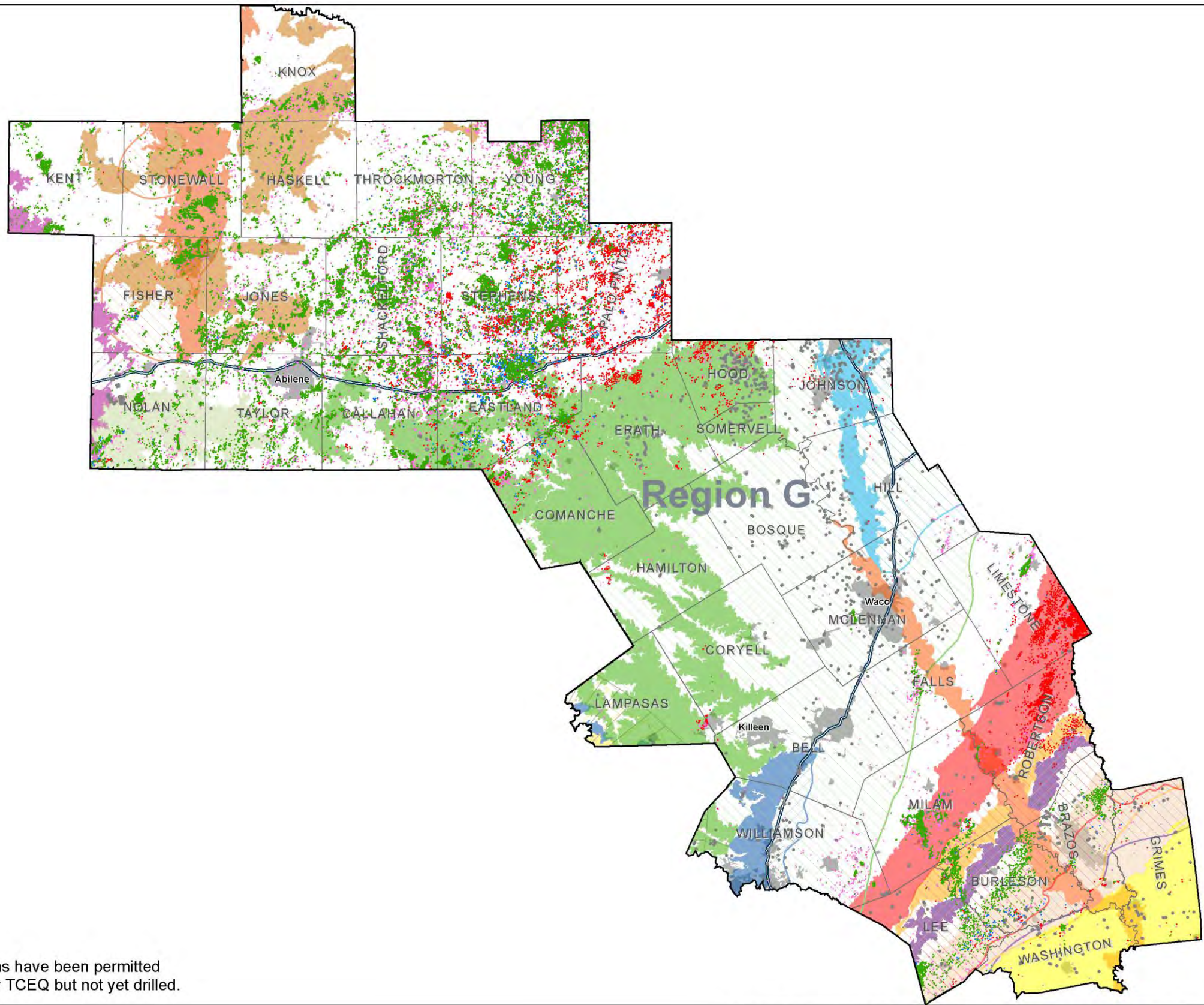
- Oil Well
- Gas Well
- Oil/Gas Well
- Permitted Location
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



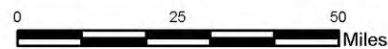


Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



Note: Permitted locations have been permitted for oil/gas production by TCEQ but not yet drilled.



(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010, and Texas Water Development Board, 2010)

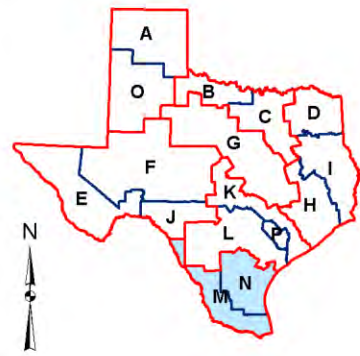
Location of Active Oil and Gas Wells

Regions G

Explanation

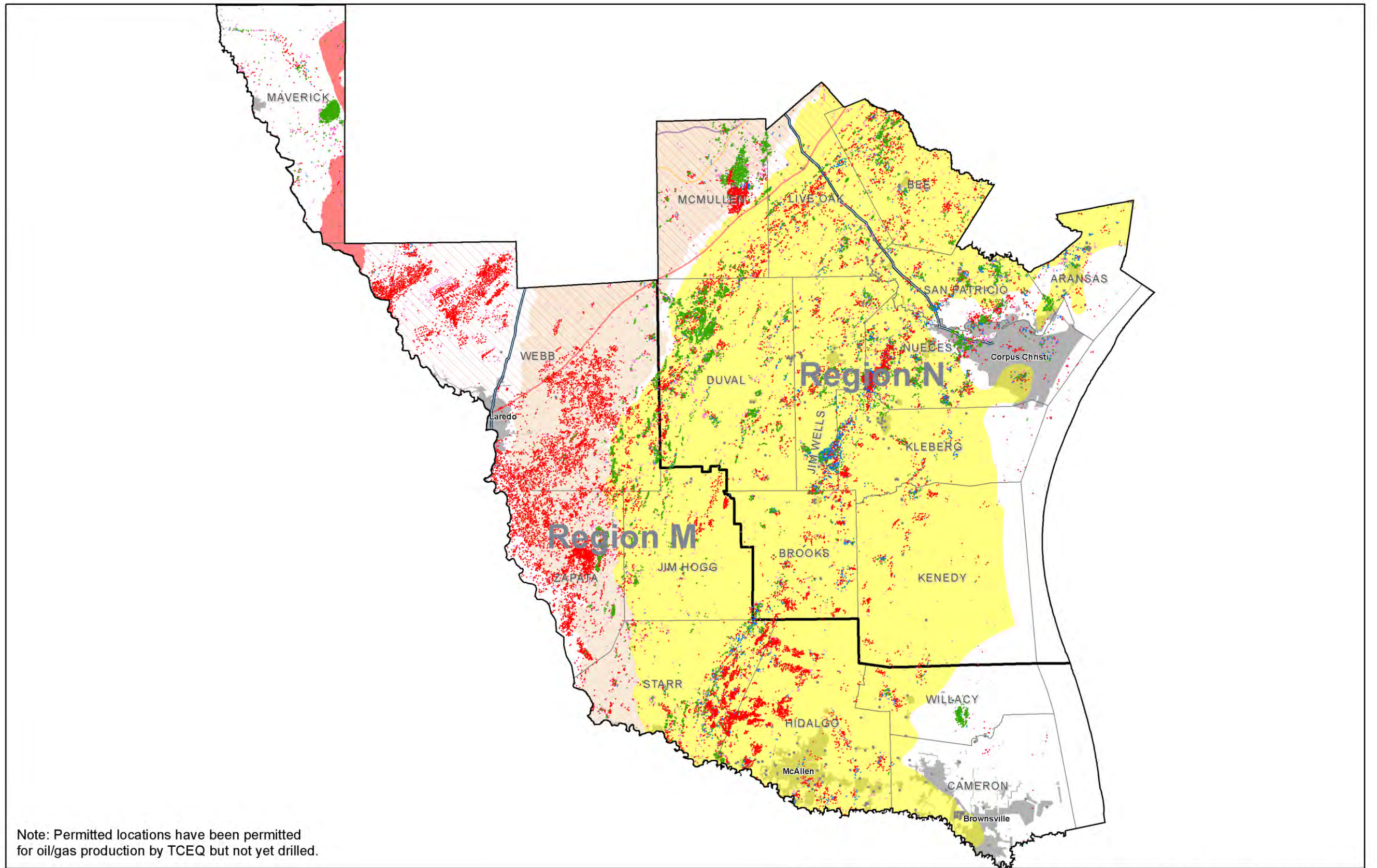
- Oil Well
- Gas Well
- Oil/Gas Well
- Permitted Location
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



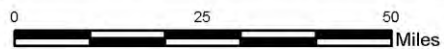


Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



Note: Permitted locations have been permitted for oil/gas production by TCEQ but not yet drilled.

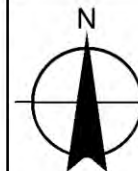


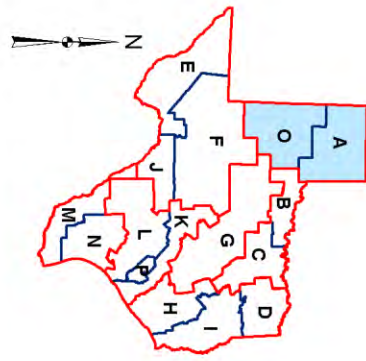
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010, and Texas Water Development Board, 2010)

Location of Active Oil and Gas Wells
Regions M and N

Explanation

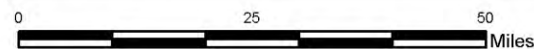
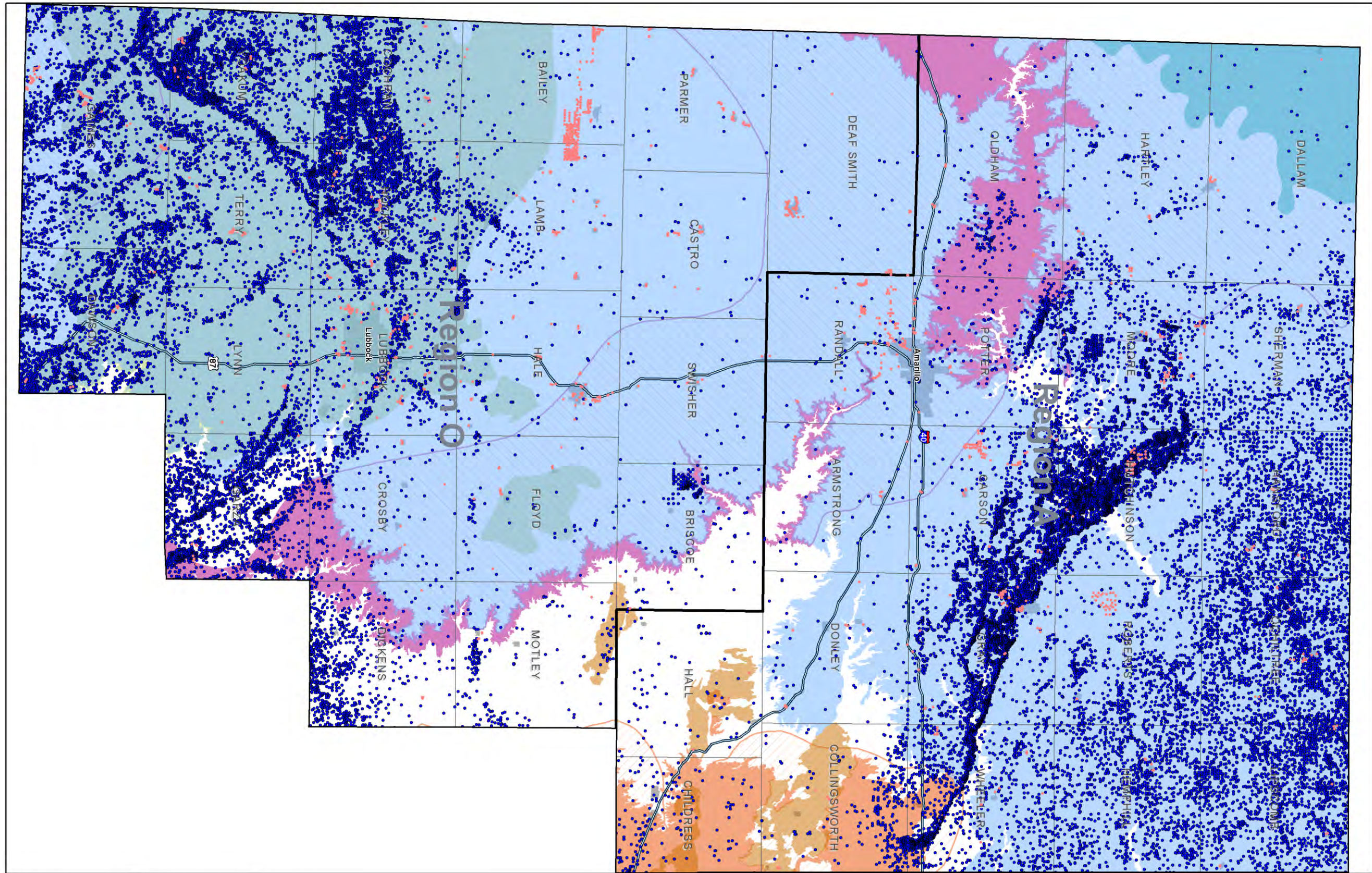
- Oil Well
- Gas Well
- Oil/Gas Well
- Permitted Location
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

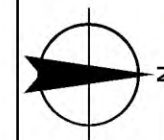


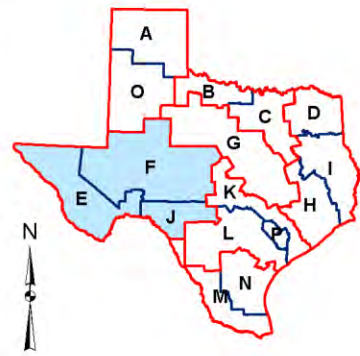
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010 and Texas Water Development Board, 2010)

**Location of Inactive
Oil and Gas Wells**
Regions A and O

Explanation

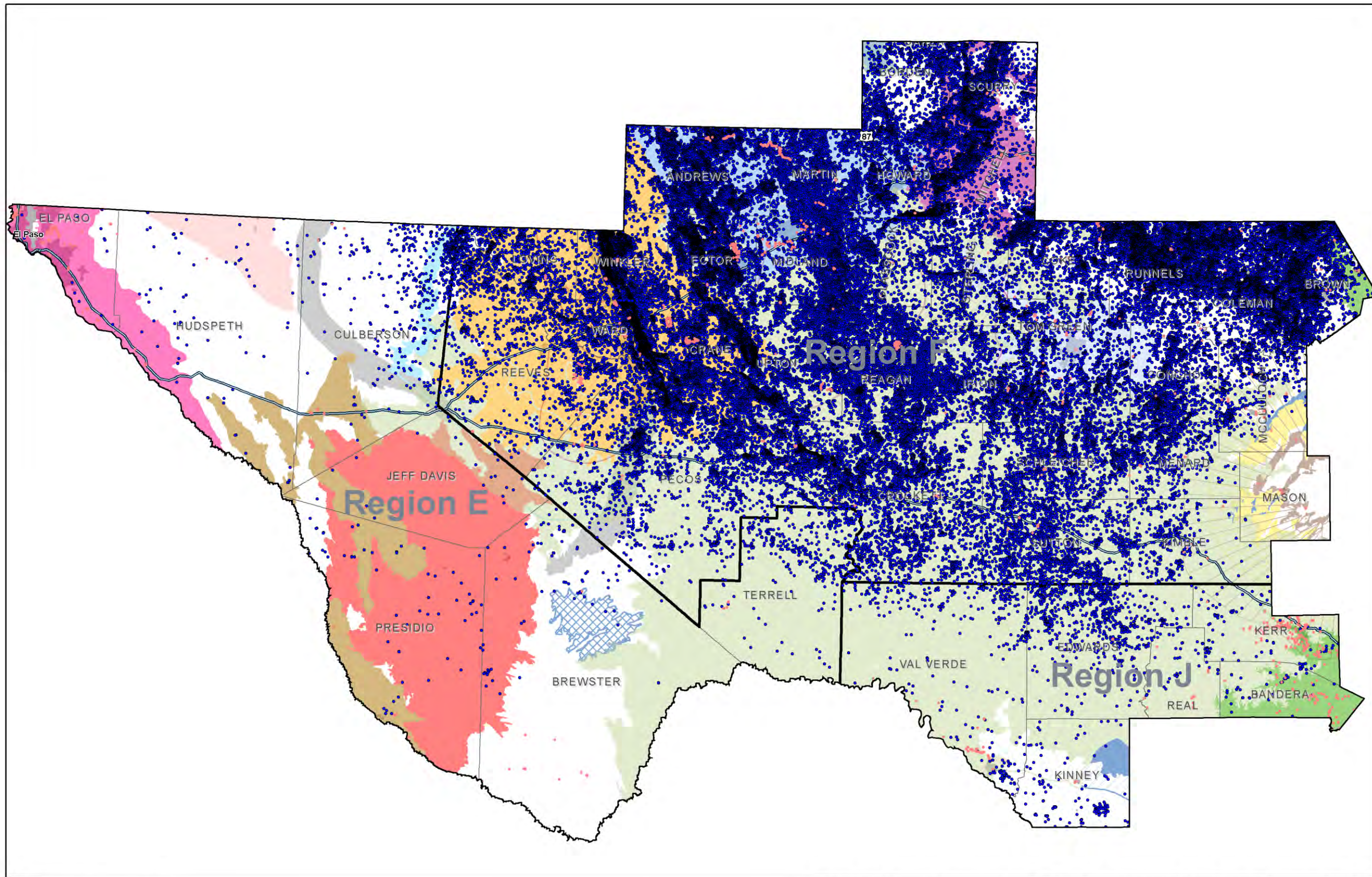
- Inactive Well
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Cities





Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010 and Texas Water Development Board, 2010)

Location of Inactive Oil and Gas Wells
Regions E, F, and J

Explanation

- Inactive Well
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

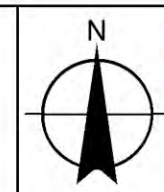
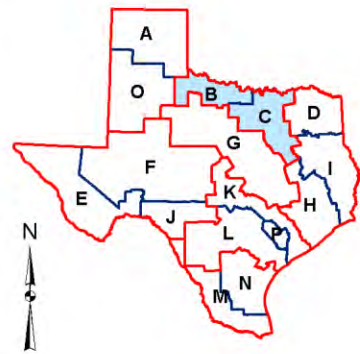
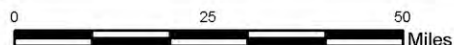
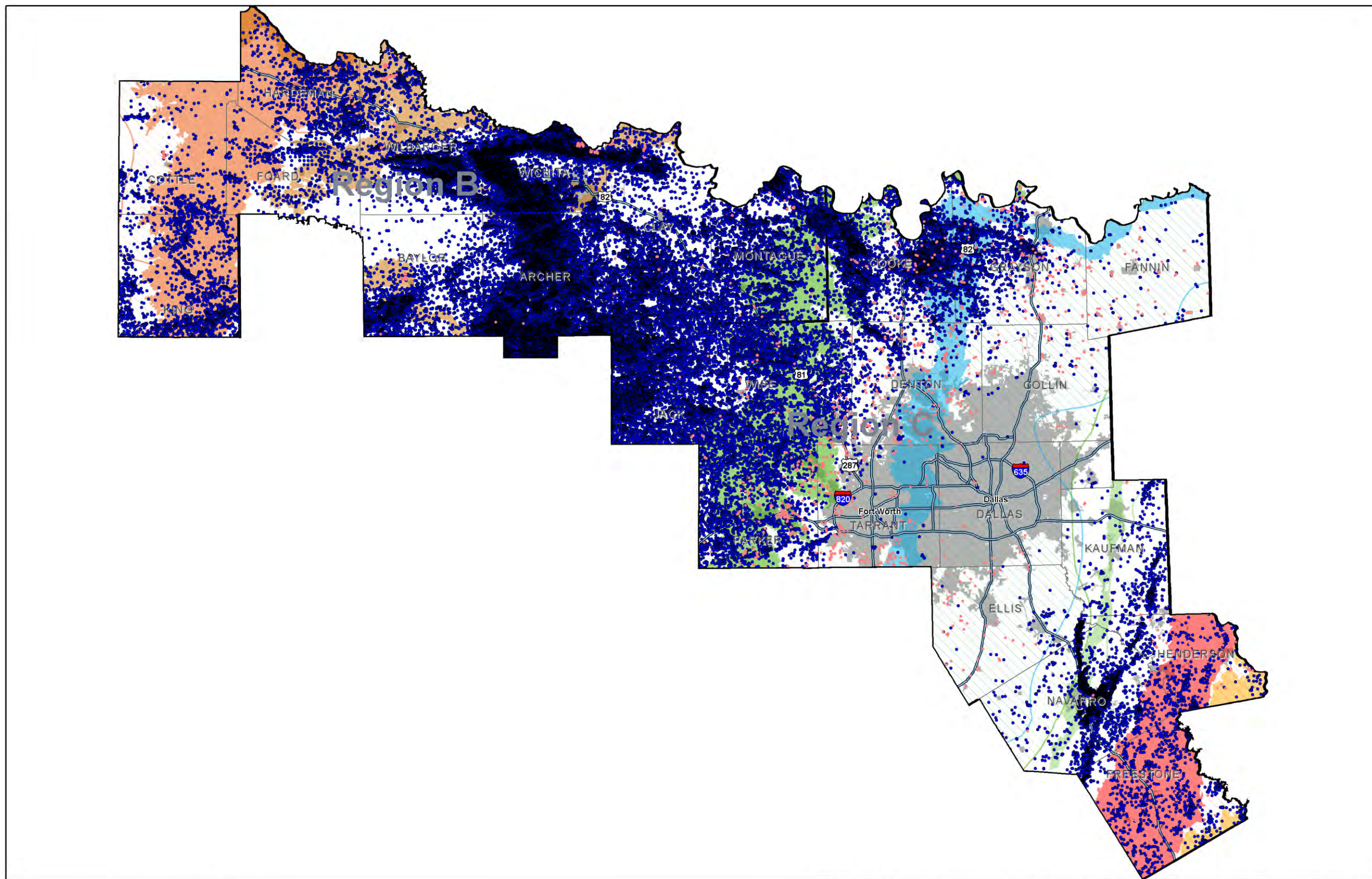


Plate 70



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010 and Texas Water Development Board, 2010)

**Location of Inactive
Oil and Gas Wells**
Regions B and C

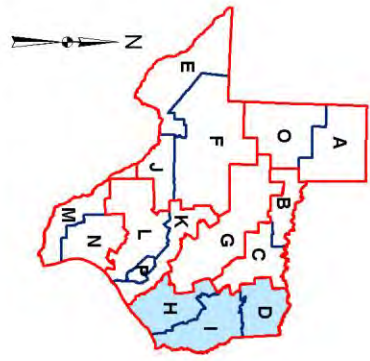
Explanation

- Inactive Well
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



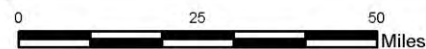
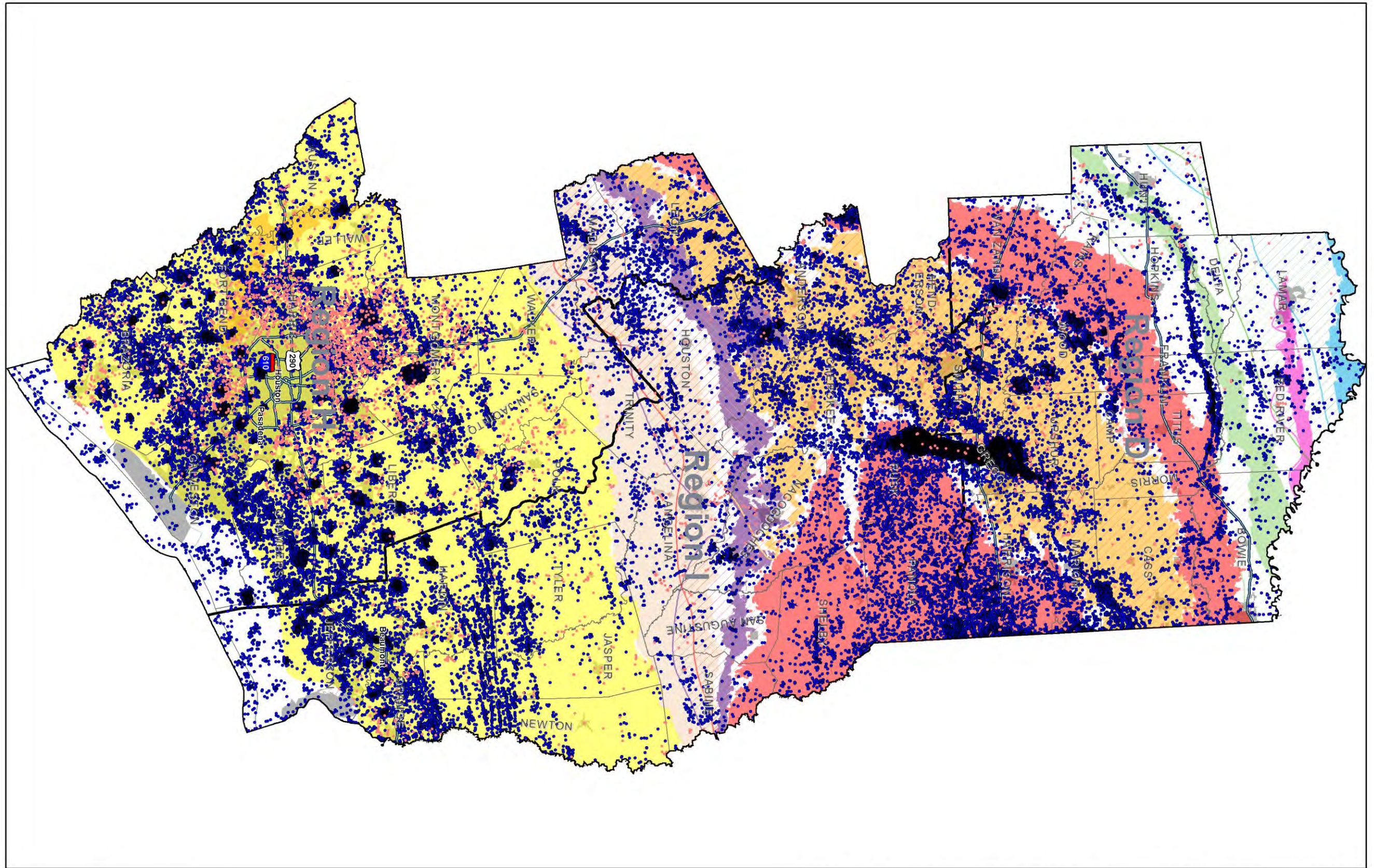
LBG-GUYTON ASSOCIATES

Plate 71



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)

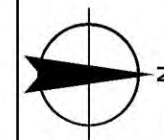


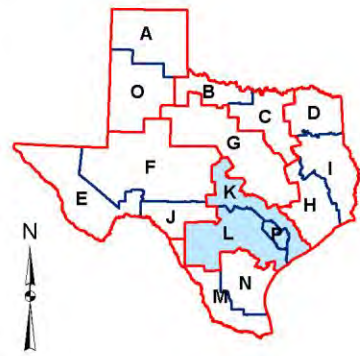
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010 and Texas Water Development Board, 2010)

Location of Inactive Oil and Gas Wells
Regions D, H, and I

Explanation

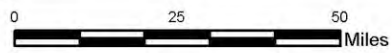
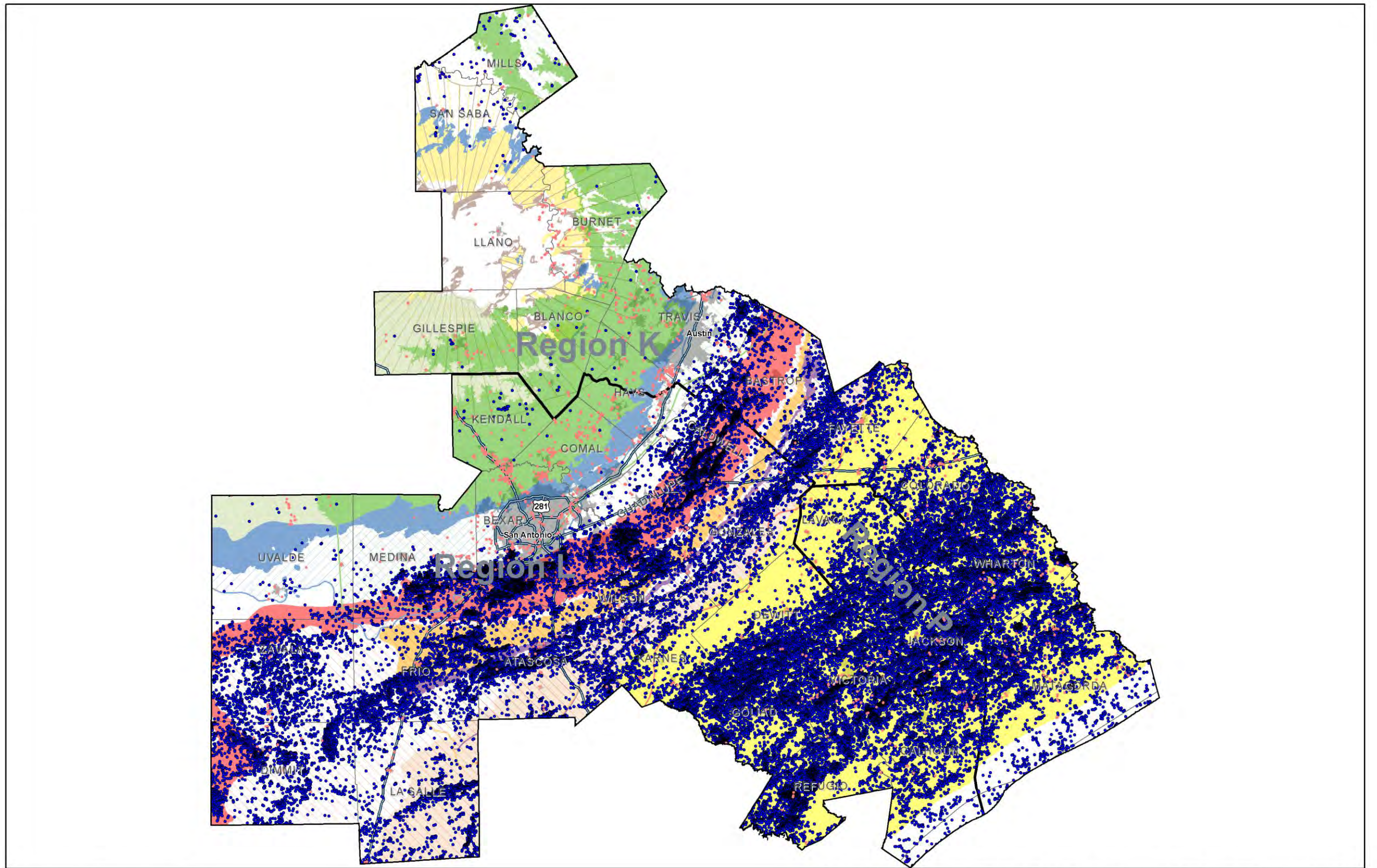
- Inactive Well
- Public Water Supply Wells
- Counties
- Regional Water Planning Groups
- Major Highway
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



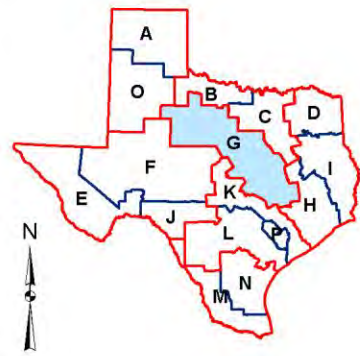
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010 and Texas Water Development Board, 2010)

**Location of Inactive
Oil and Gas Wells**
Regions K, L, and P

Explanation

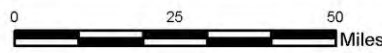
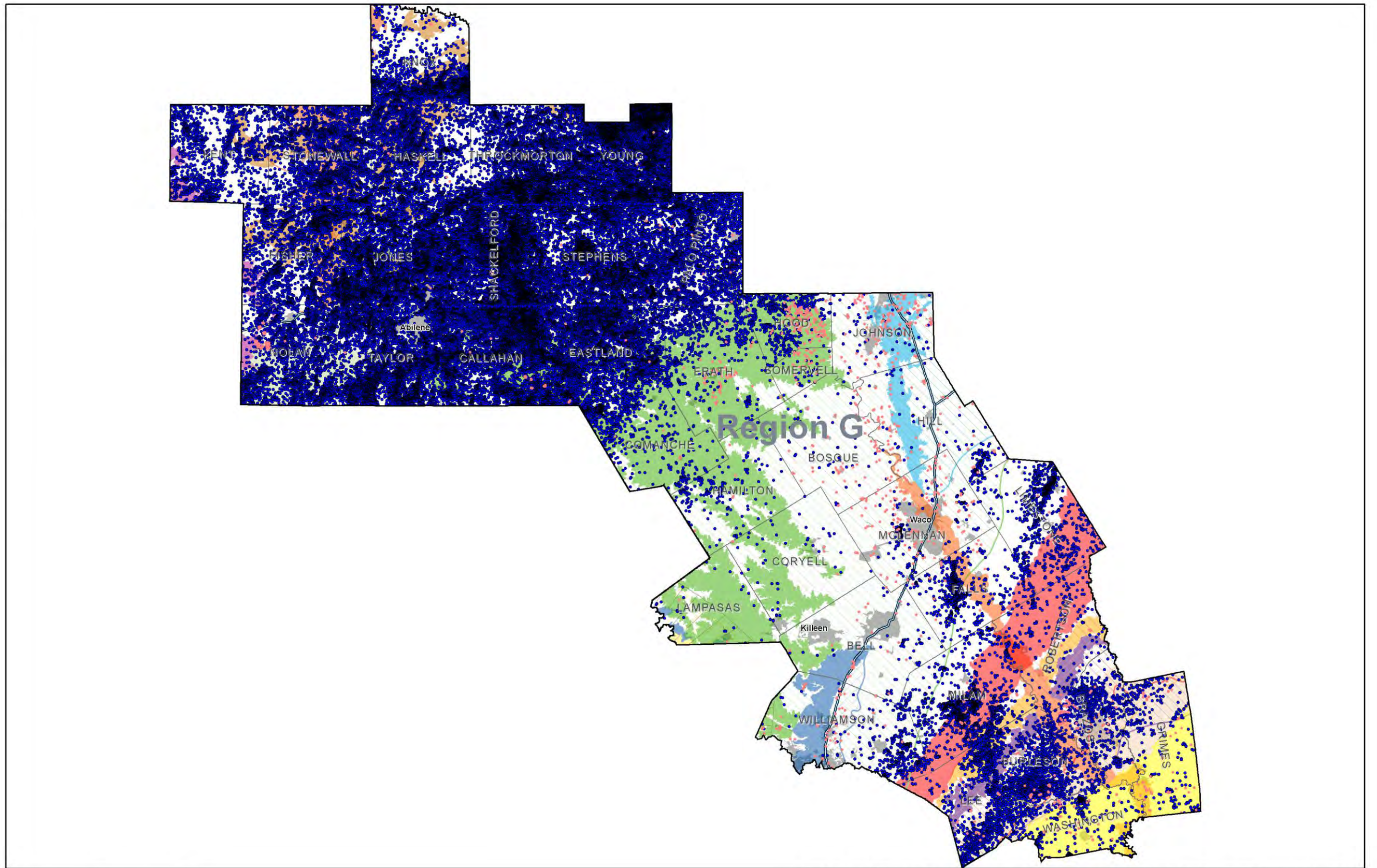
- Inactive Well
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)

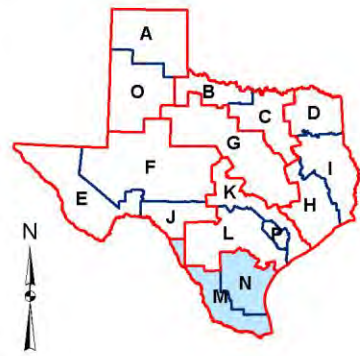


(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010 and Texas Water Development Board, 2010)

Location of Inactive Oil and Gas Wells
Regions G

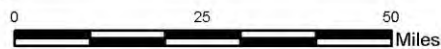
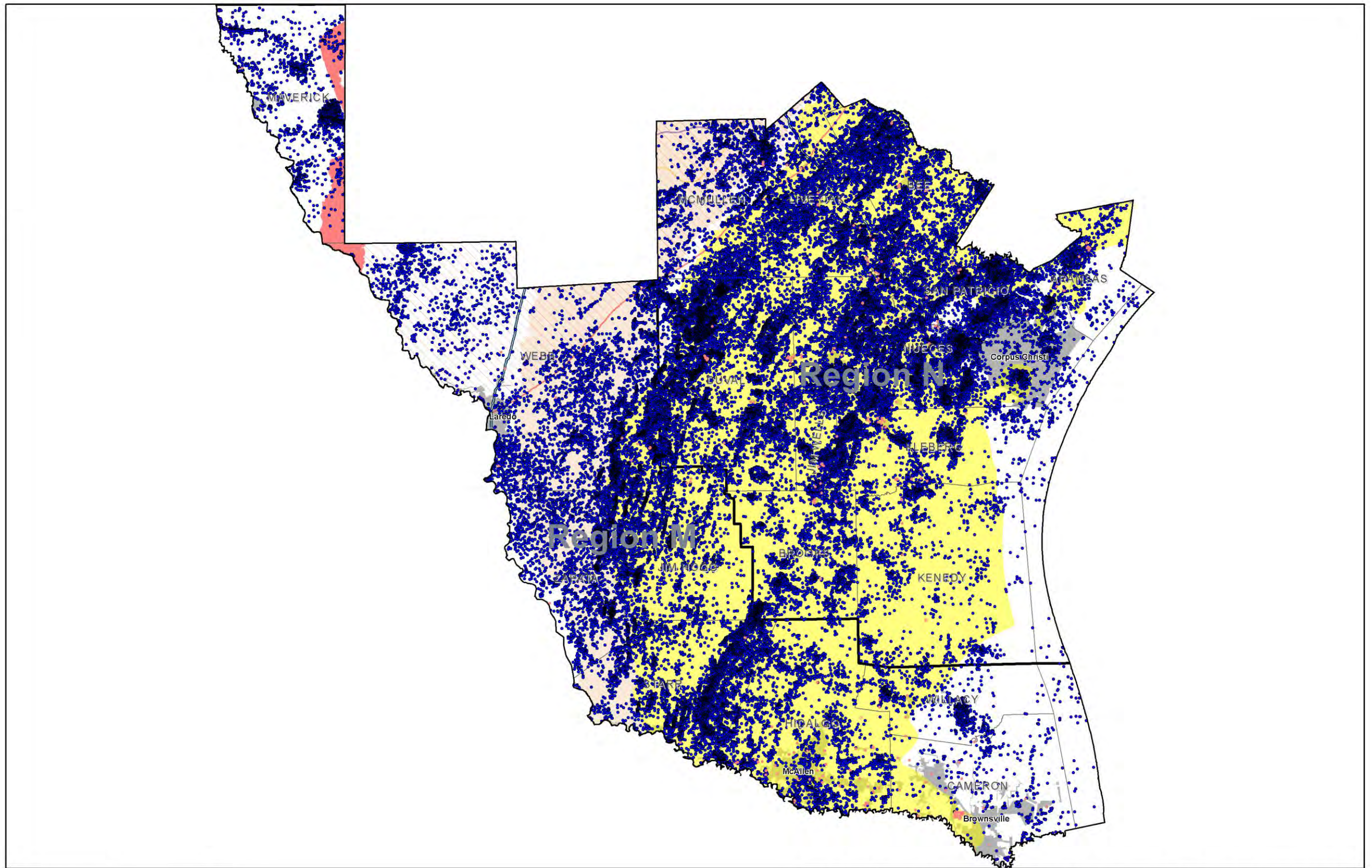
- Explanation**
- Inactive Well
 - Public Water Supply Wells
 - Major Highway
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

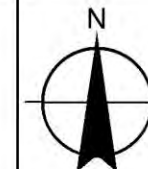


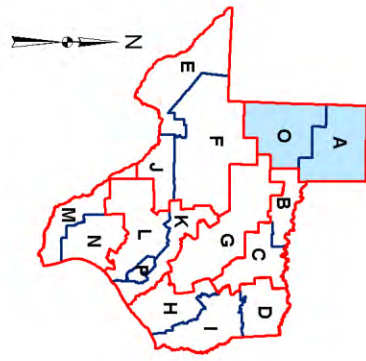
(Data from Texas Commission on Environmental Quality, 2010, Texas Railroad Commission, 2010 and Texas Water Development Board, 2010)

**Location of Inactive
Oil and Gas Wells**
Regions M and N

Explanation

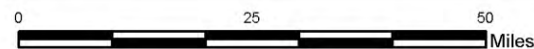
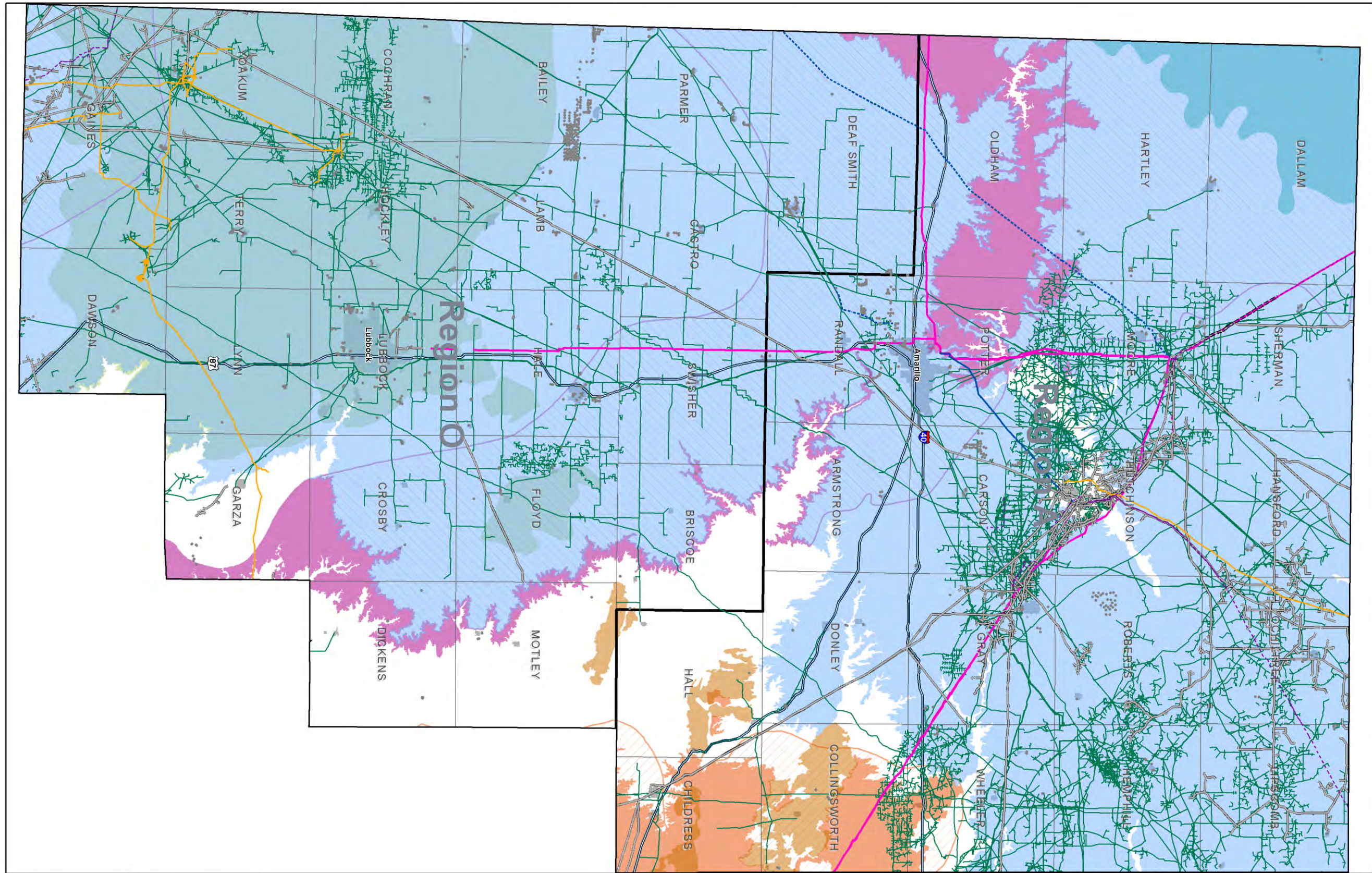
- Inactive Well
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Industrial Petroleum and Chemical Transport Pipelines

Regions A and O

Explanation

- Other
- Fuel Oils
- Public Water Supply Wells
- Other Organic Material
- Natural Gas Products
- Major Highway
- Inorganic Material
- Refined Petroleum Products
- Crude Oils
- Counties
- Regional Water Planning Groups
- Cities

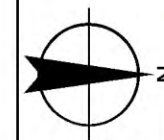
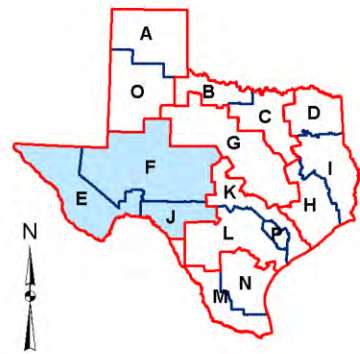
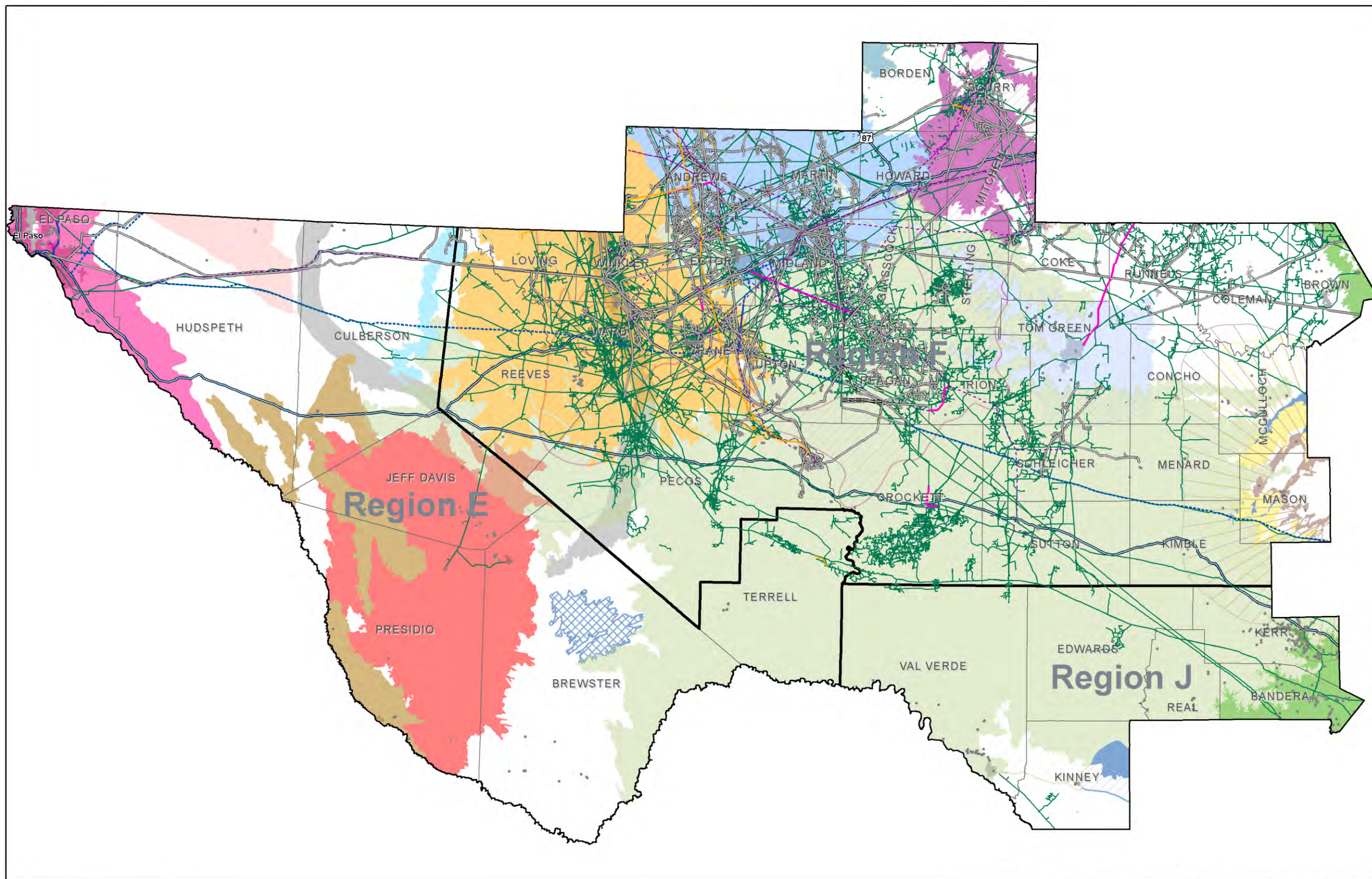


Plate 76



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Industrial Petroleum and Chemical Transport Pipelines

Regions E, F, and J

Explanation

- Other
- Fuel Oils
- Public Water Supply Wells
- Other Organic Material
- Natural Gas Products
- Major Highway
- Inorganic Material
- Refined Petroleum Products
- Crude Oils
- Regional Water Planning Groups
- Counties
- Cities

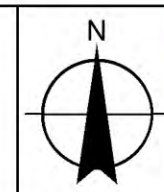
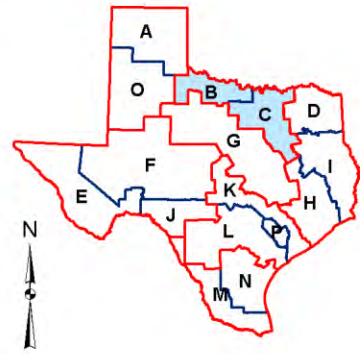
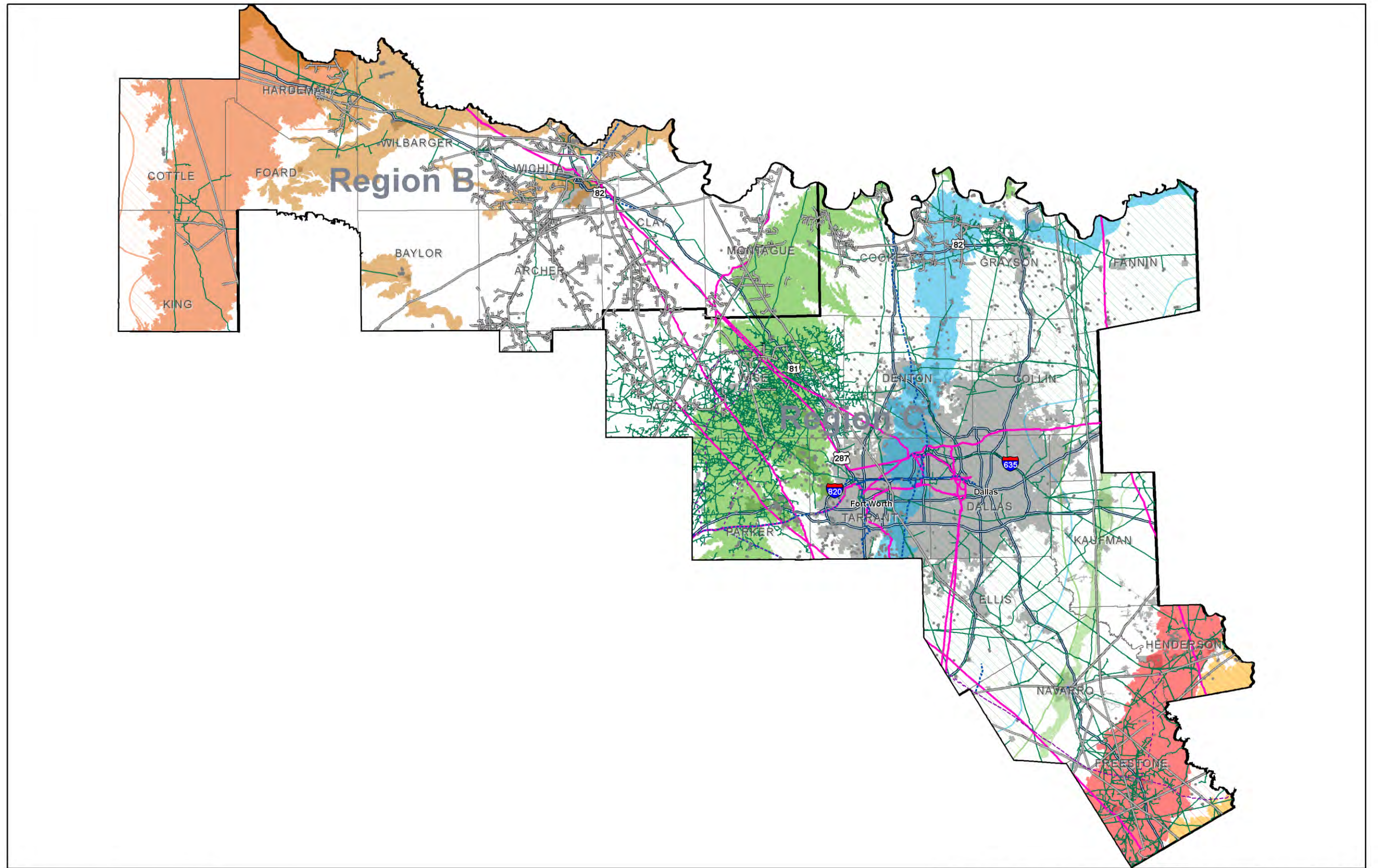


Plate 77



Major and Minor Aquifers

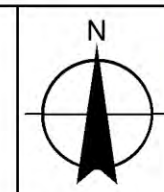
- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

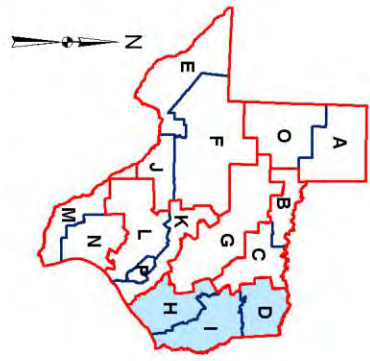


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Industrial Petroleum and Chemical Transport Pipelines
Regions B and C

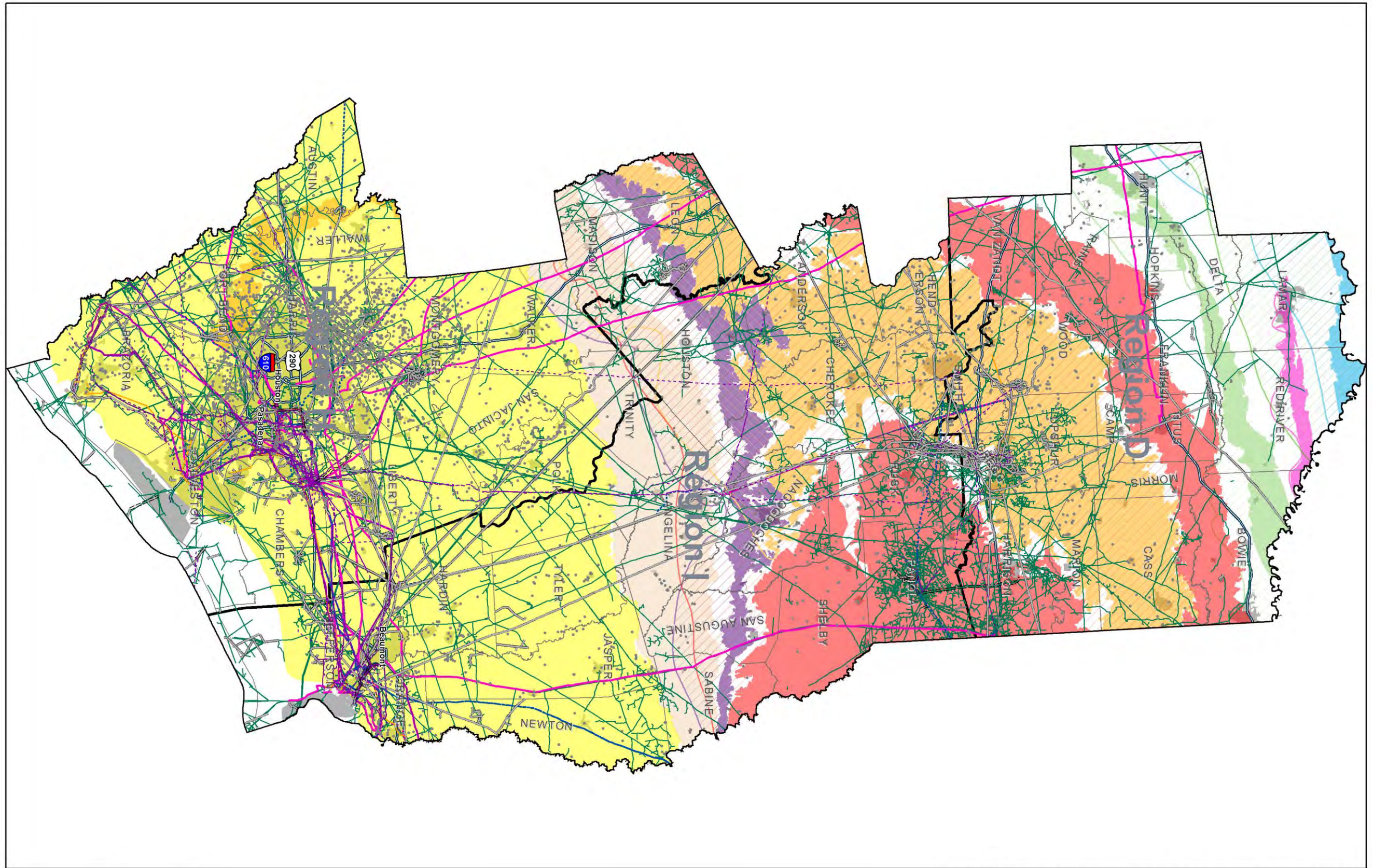
- Explanation**
- Other
 - Fuel Oils
 - Public Water Supply Wells
 - Other Organic Material
 - Natural Gas Products
 - Major Highway
 - Inorganic Material
 - Refined Petroleum Products
 - Crude Oils
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



0 25 50 Miles

(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Industrial Petroleum and Chemical Transport Pipelines

Regions D, H, and I

Explanation

- Other
- Fuel Oils
- Public Water Supply Wells
- Other Organic Material
- Natural Gas Products
- Major Highway
- Inorganic Material
- Refined Petroleum Products
- Counties
- Crude Oils
- Regional Water Planning Groups
- Cities

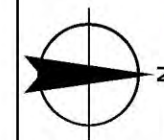
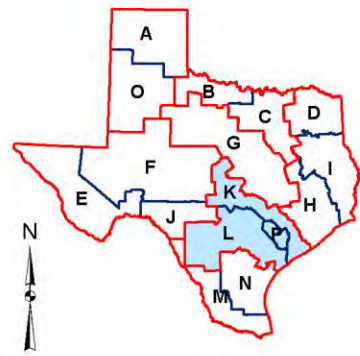
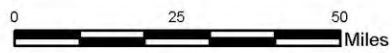
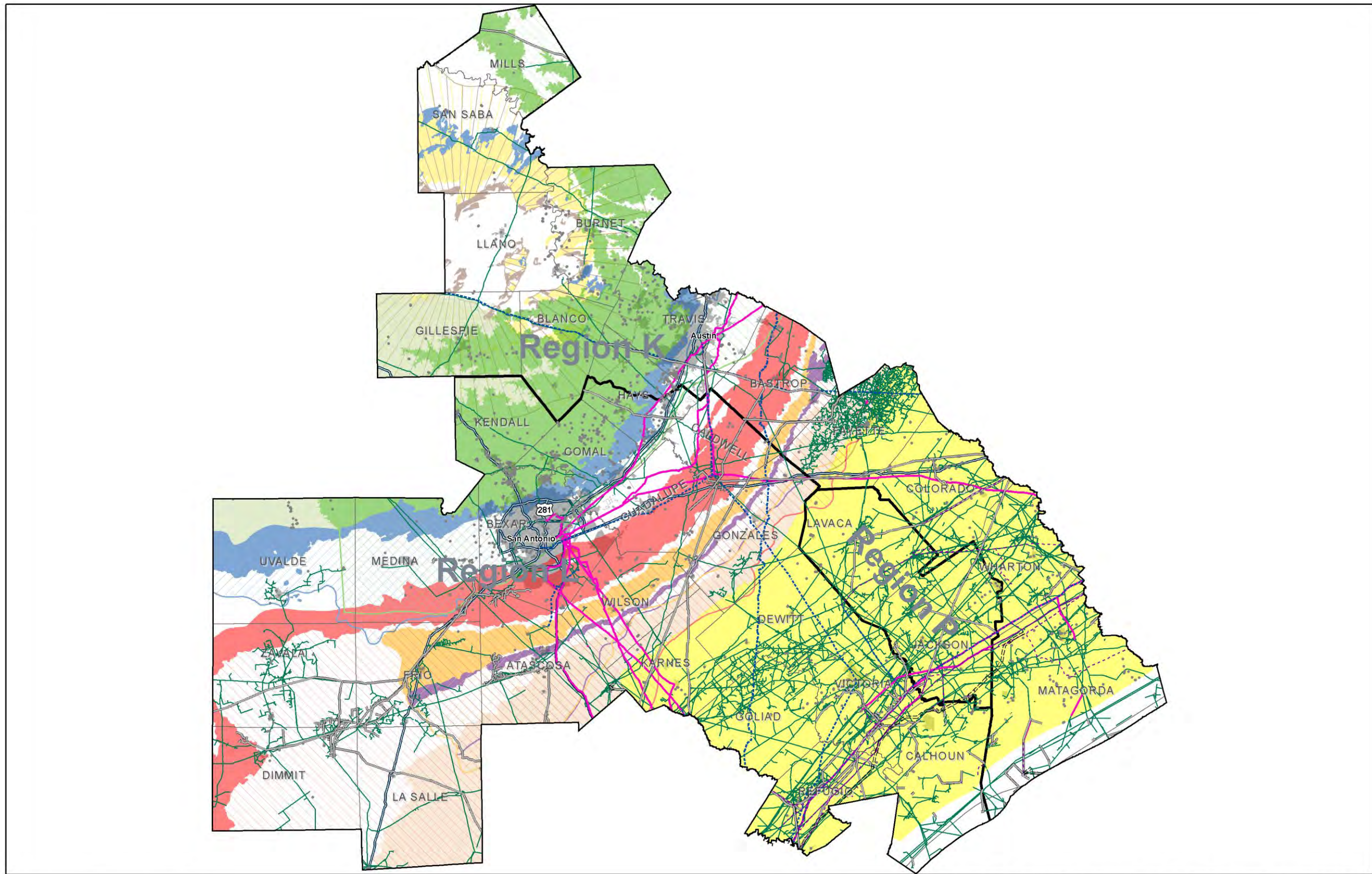


Plate 79



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

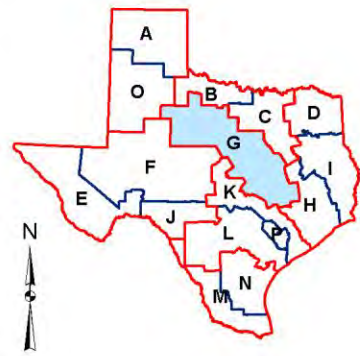


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Industrial Petroleum and Chemical Transport Pipelines
Regions K, L, and P

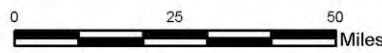
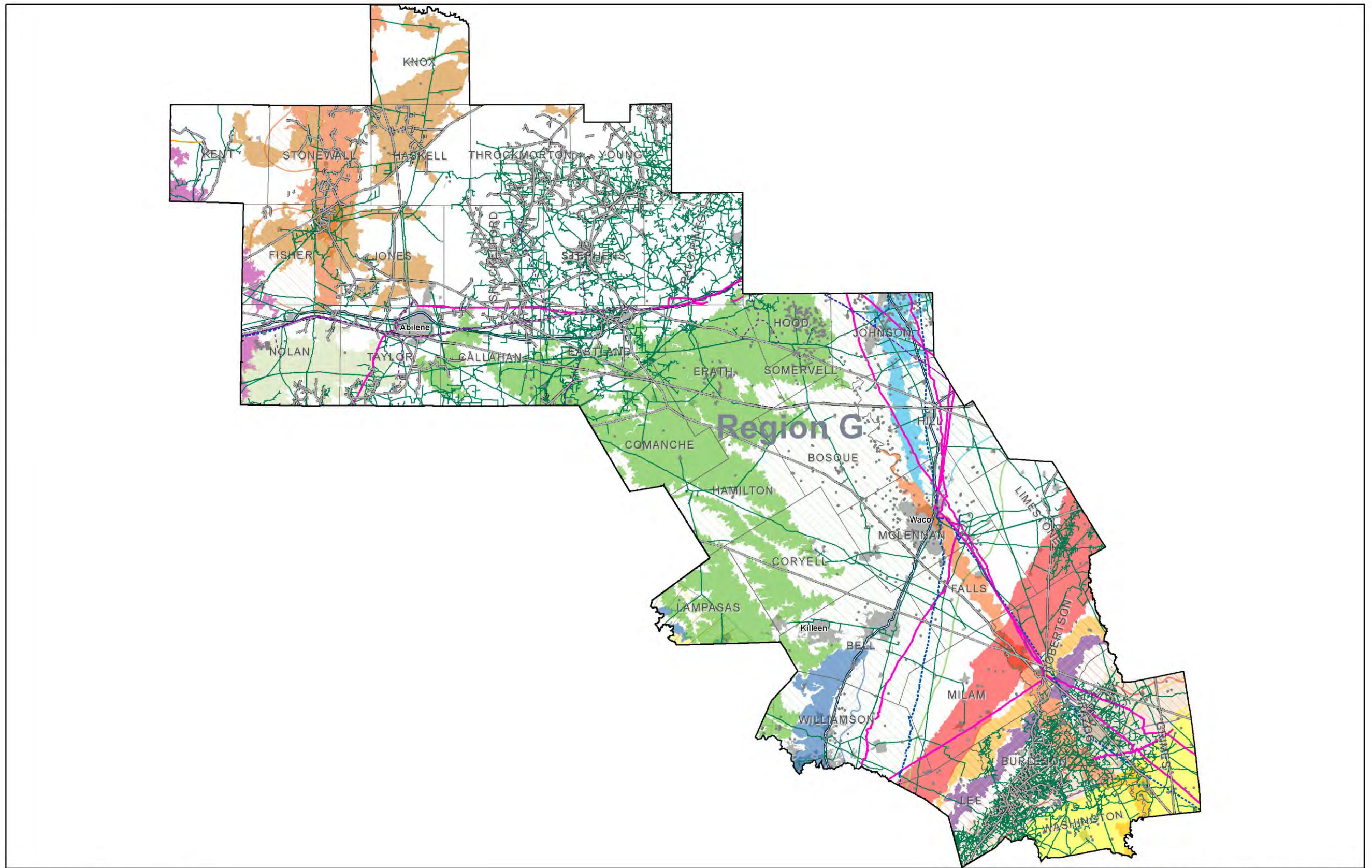
- Explanation**
- Other
 - Fuel Oils
 - Public Water Supply Wells
 - Other Organic Material
 - Natural Gas Products
 - Major Highway
 - Inorganic Material
 - Refined Petroleum Products
 - Regional Water Planning Groups
 - Crude Oils
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Industrial Petroleum and Chemical Transport Pipelines

Regions G

Explanation

- Other
- Fuel Oils
- Public Water Supply Wells
- Other Organic Material
- Natural Gas Products
- Major Highway
- Inorganic Material
- Refined Petroleum Products
- Regional Water Planning Groups
- Counties
- Cities
- Crude Oils

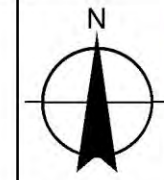
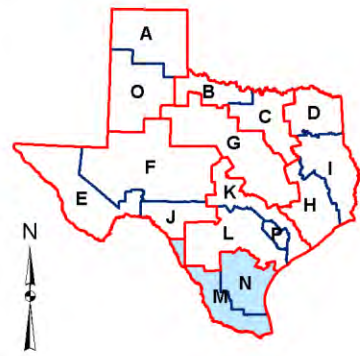
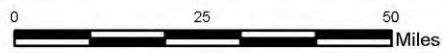
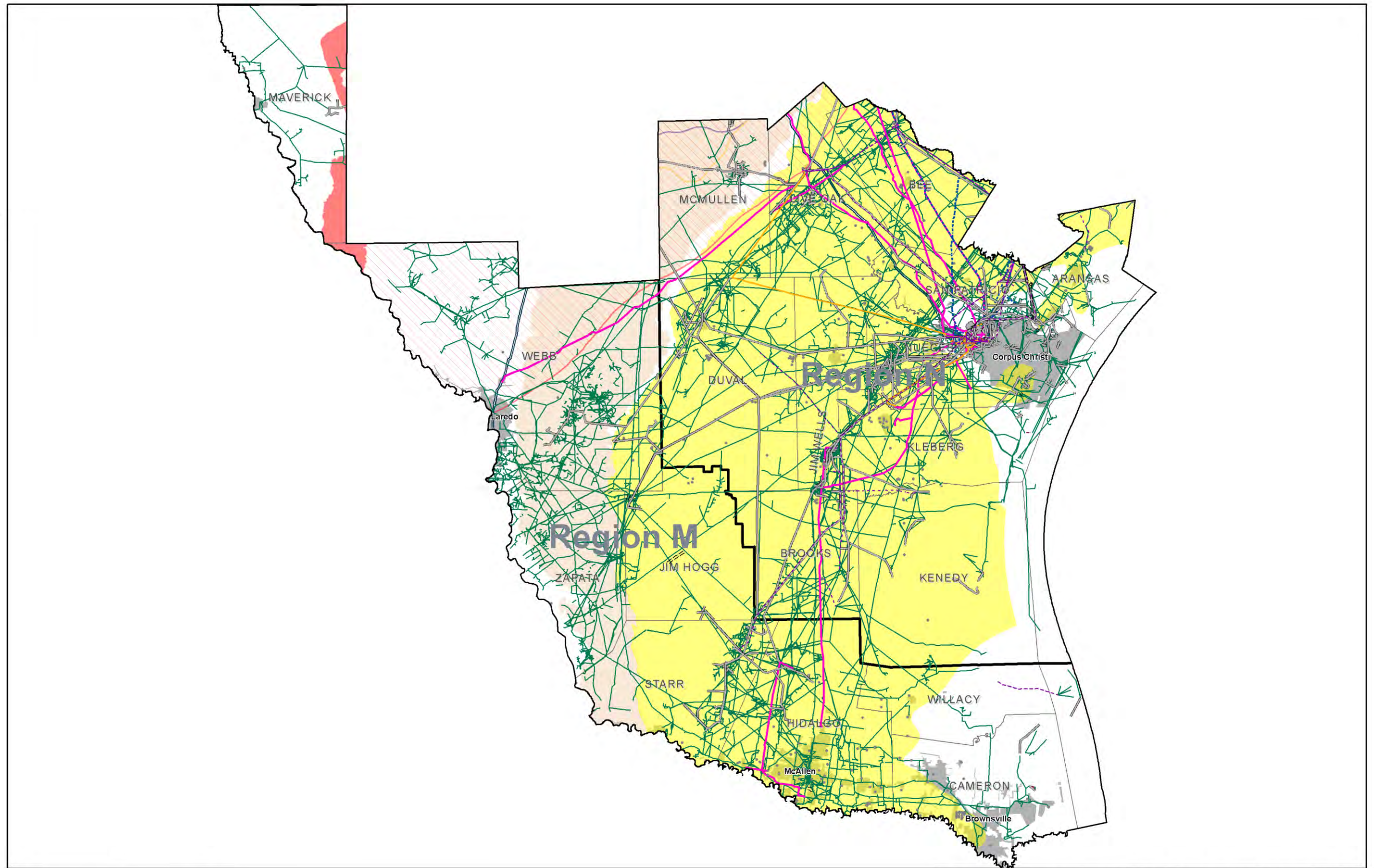


Plate 81



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



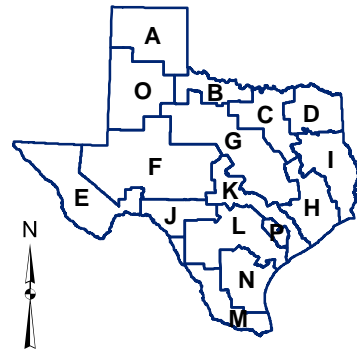
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Location of Industrial Petroleum
and Chemical Transport Pipelines**
Regions M and N

Explanation

- | | | |
|--------------------------------|------------------------------|----------------------------------|
| ==== Other | Fuel Oils | • Public Water Supply Wells |
| - - - - Other Organic Material | — Natural Gas Products | — Major Highway |
| — Inorganic Material | — Refined Petroleum Products | ▭ Regional Water Planning Groups |
| — Crude Oils | | ▭ Counties |
| | | ▭ Cities |





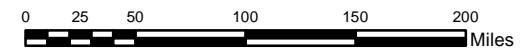
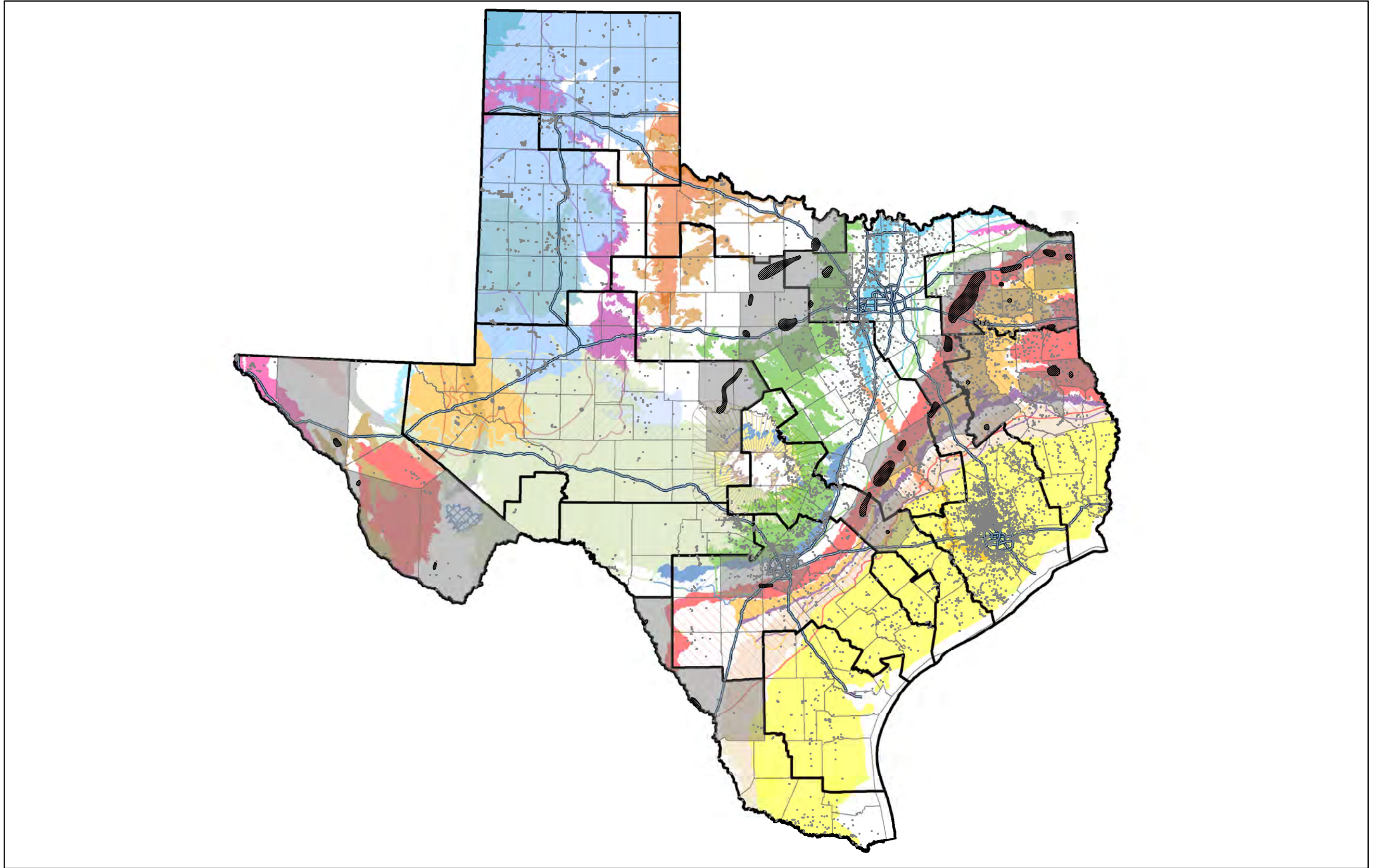
Aquifers of Texas

Major Aquifers

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)

Minor Aquifers

- Brazos River Alluvium
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (confined)
- Yegua Jackson
- Igneous
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Nacatoch (outcrop)
- Nacatoch (confined)
- Blossom (outcrop)
- Blossom (confined)
- Woodbine (outcrop)
- Woodbine (confined)
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (confined)
- Rustler (outcrop)
- Rustler (confined)
- Capitan Reef Complex
- Blaine (outcrop)
- Blaine (confined)
- Bone Spring - Victoria Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)

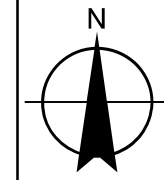


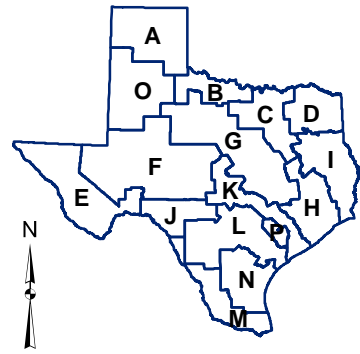
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Active and Historical Coal Mining Operations

Explanation

- Active Coal Mining Operations
- Historical Coal Mining
- Major Highway
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties





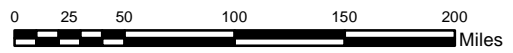
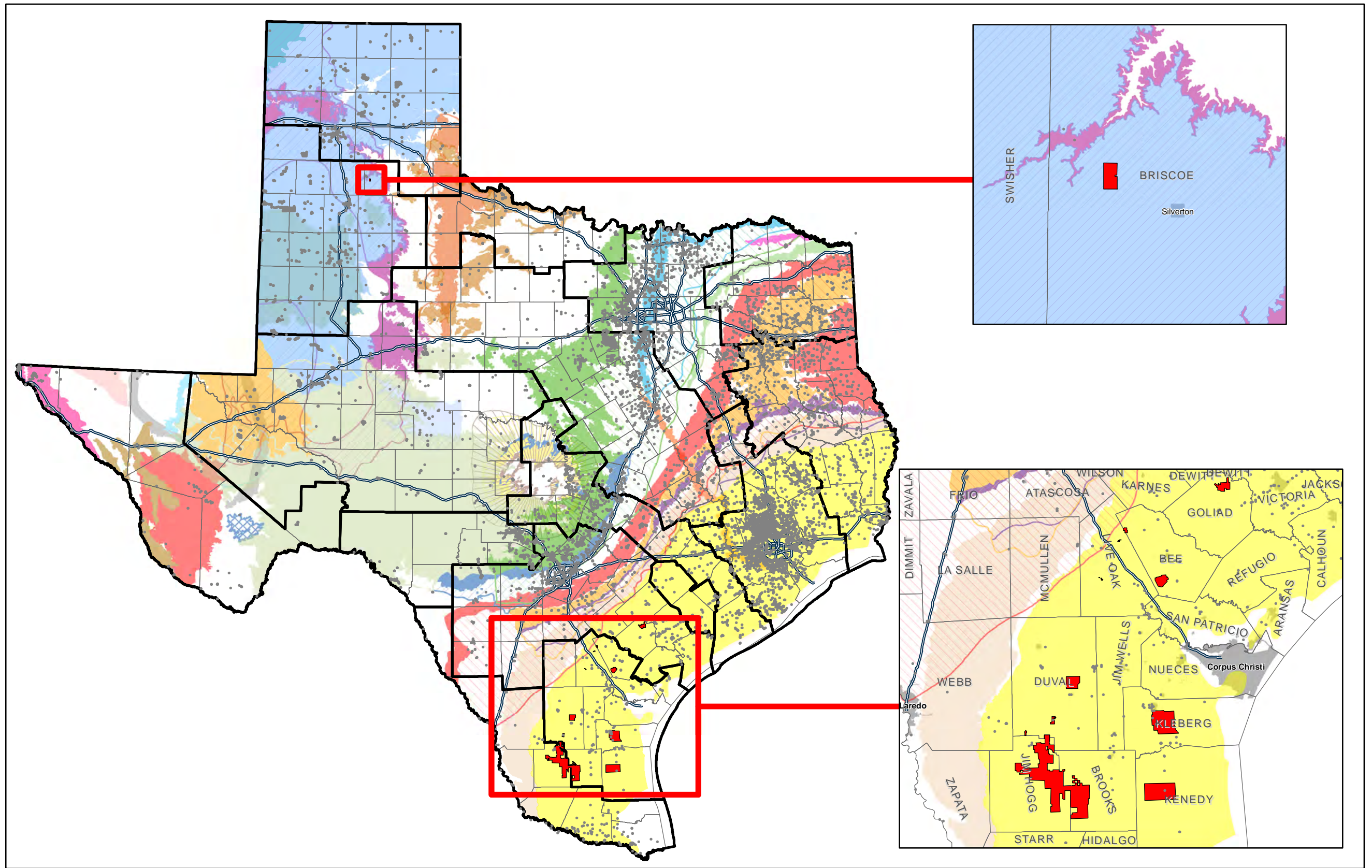
Aquifers of Texas

Major Aquifers

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)

Minor Aquifers

- Brazos River Alluvium
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (confined)
- Yegua Jackson
- Igneous
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Nacatoch (outcrop)
- Nacatoch (confined)
- Blossom (outcrop)
- Blossom (confined)
- Woodbine (outcrop)
- Woodbine (confined)
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (confined)
- Rustler (outcrop)
- Rustler (confined)
- Capitan Reef Complex
- Blaine (outcrop)
- Blaine (confined)
- Bone Spring - Victoria Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)



(Data from Texas Commission on Environmental Quality, 2010, BEG, 2011, and Texas Water Development Board, 2010)

Location of In-Situ Mining Sites

Explanation

- Uranium Mining Sites
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway

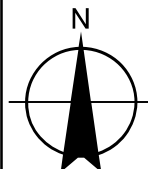
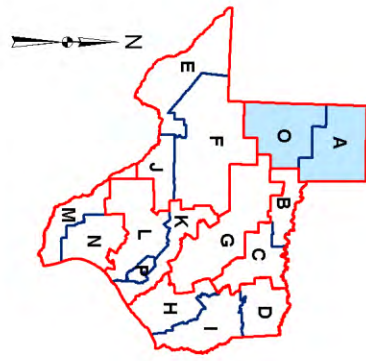
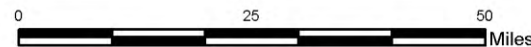
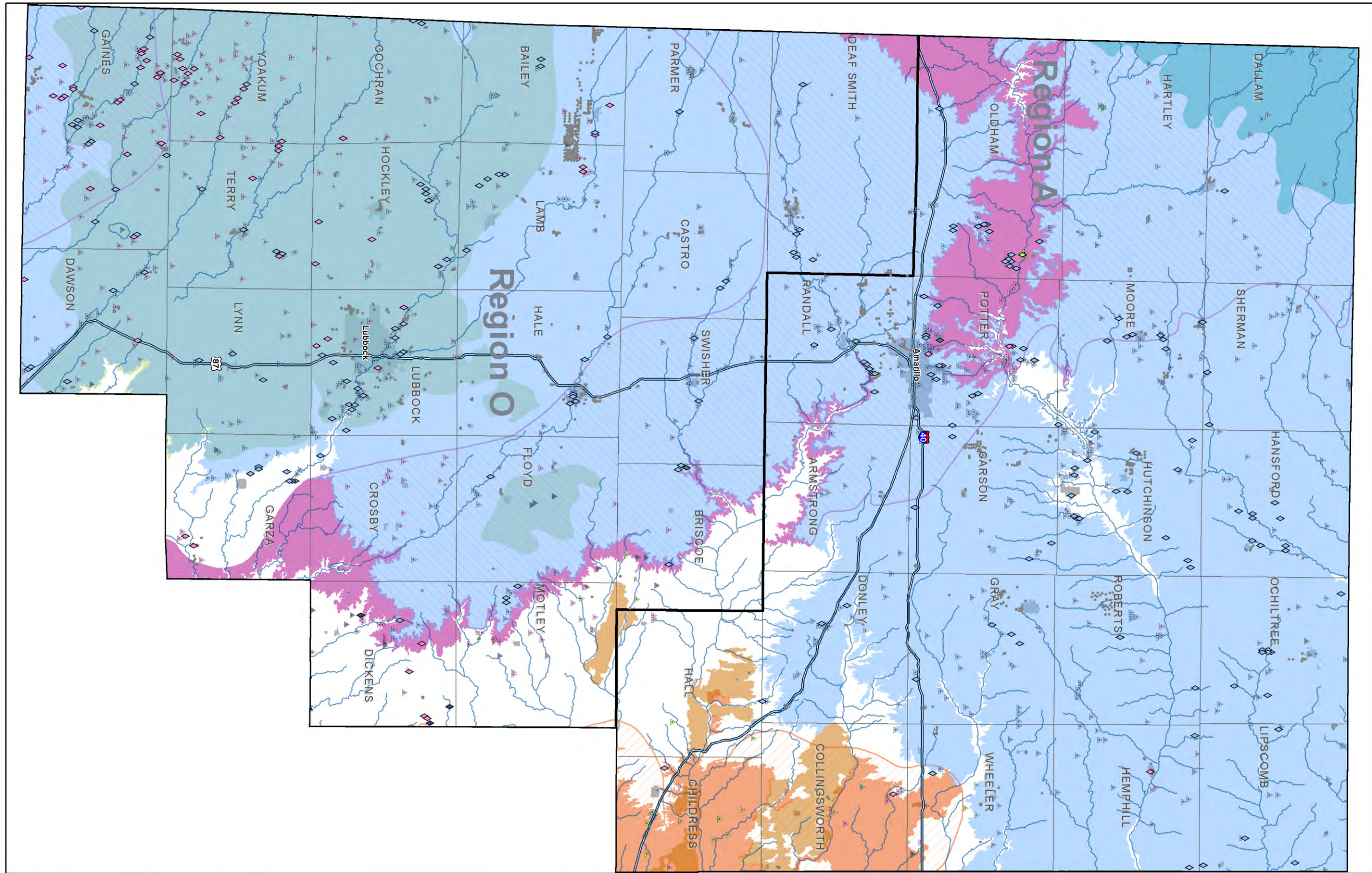


Plate 84



Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

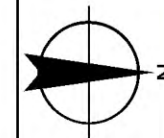


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Mined Lands

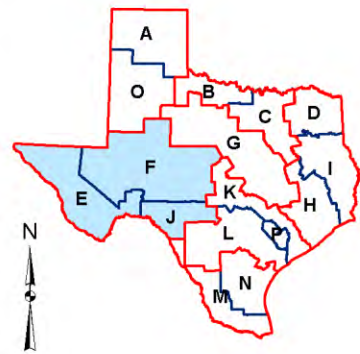
Regions A and O

Explanation			
◆ Metals/Hard Minerals	◆ Gypsum	▲ Metals/Hard Minerals	▲ Gypsum
◆ Building Materials (Hard Rock)	◆ Soft Minerals	▲ Building Materials (Hard Rock)	▲ Soft Minerals
◆ Caliche	◆ Sand/Gravel	▲ Caliche	▲ Sand/Gravel
◆ Coal	◆ Sandstone	▲ Coal	▲ Sandstone
◆ Uranium	◆ Shale/Sand	▲ Uranium	▲ Shale/Sand
◆ Limestone/Dolomite	◆ Other/Unknown	▲ Limestone/Dolomite	▲ Other/Unknown
		● Public Water Supply Wells	— Rivers
		 Regional Water Planning Groups	 Counties
		 Cities	



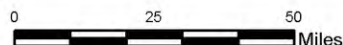
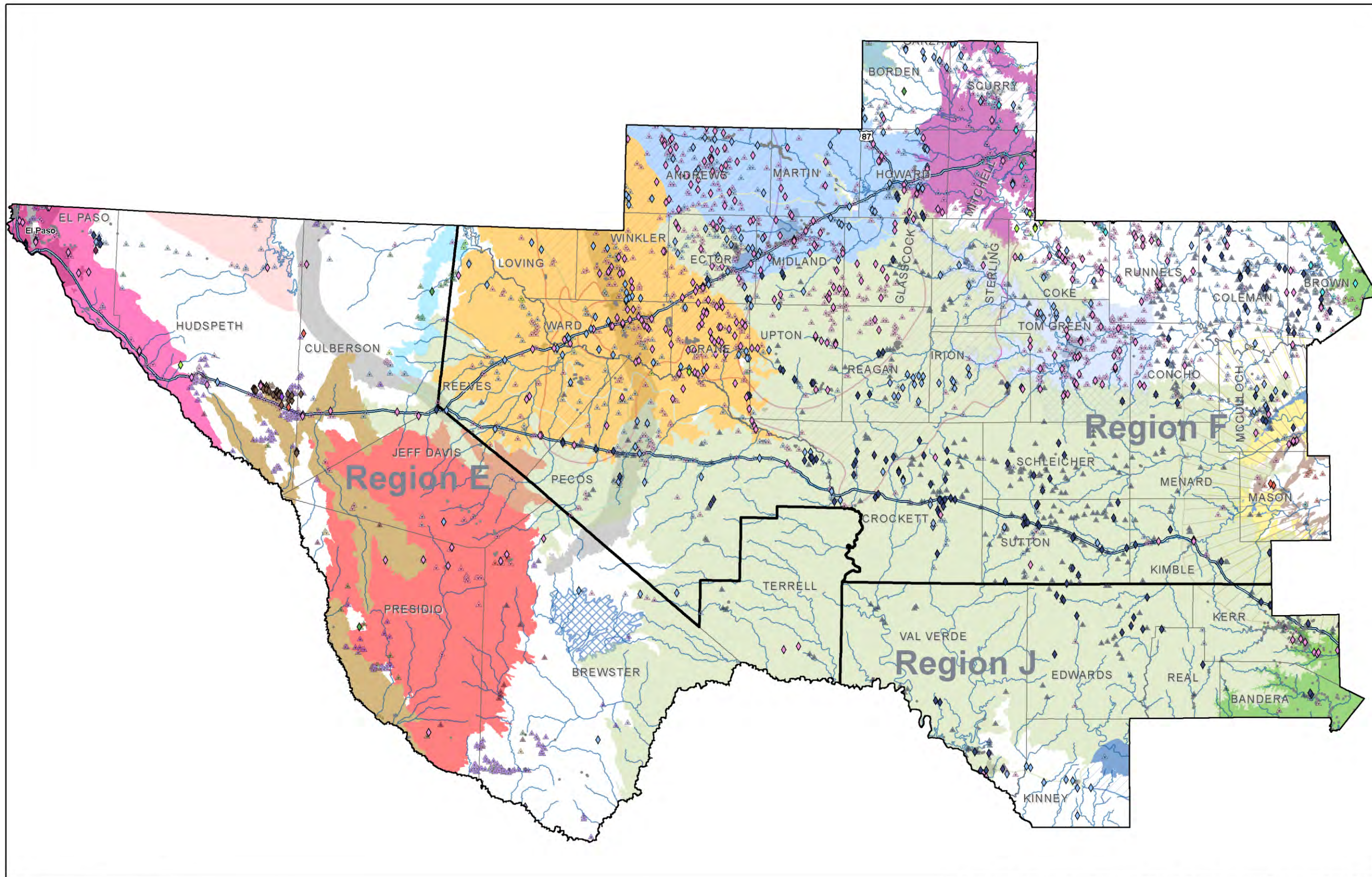
LBG-GUYTON ASSOCIATES

Plate 85



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Mined Lands

Regions E, F, and J

Explanation			
◆ Metals/Hard Minerals	◆ Gypsum	▲ Metals/Hard Minerals	▲ Gypsum
◆ Building Materials (Hard Rock)	◆ Soft Minerals	▲ Building Materials (Hard Rock)	▲ Soft Minerals
◆ Caliche	◆ Sand/Gravel	▲ Caliche	▲ Sand/Gravel
◆ Coal	◆ Sandstone	▲ Coal	▲ Sandstone
◆ Uranium	◆ Shale/Sand	▲ Uranium	▲ Shale/Sand
◆ Limestone/Dolomite	◆ Other/Unknown	▲ Limestone/Dolomite	▲ Other/Unknown
● Public Water Supply Wells	— Rivers	— Major Highway	 Regional Water Planning Groups
	 Counties	 Cities	

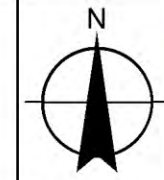
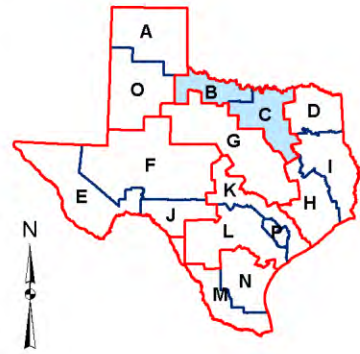
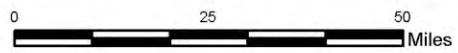
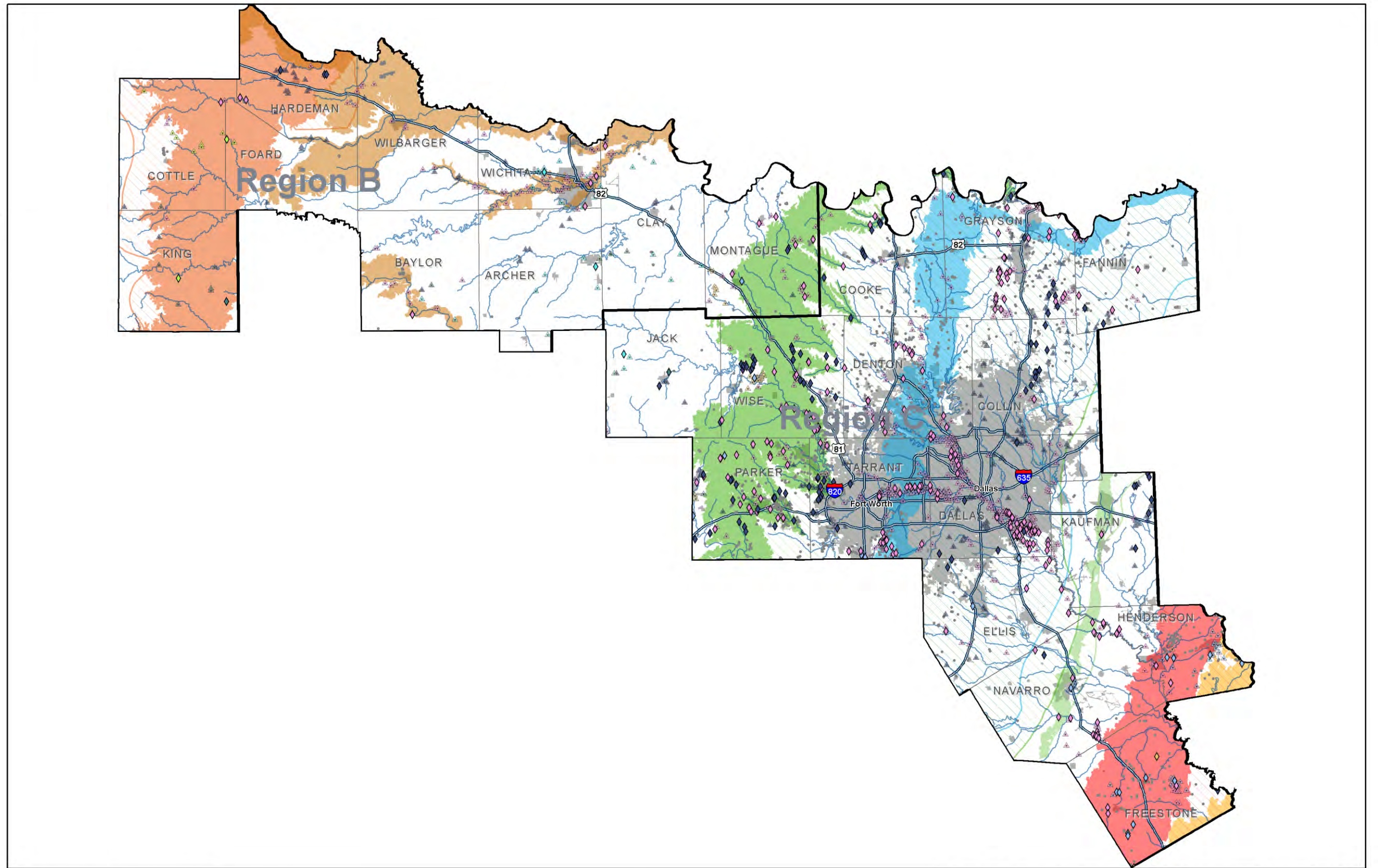


Plate 86



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Mined Lands

Regions B and C

- | Explanation | | | |
|---|---|---|---|
| ◆ Metals/Hard Minerals | ◆ Gypsum | ▲ Metals/Hard Minerals | ▲ Gypsum |
| ◆ Building Materials (Hard Rock) | ◆ Soft Minerals | ▲ Building Materials (Hard Rock) | ▲ Soft Minerals |
| ◆ Caliche | ◆ Sand/Gravel | ▲ Caliche | ▲ Sand/Gravel |
| ◆ Coal | ◆ Sandstone | ▲ Coal | ▲ Sandstone |
| ◆ Uranium | ◆ Shale/Sand | ▲ Uranium | ▲ Shale/Sand |
| ◆ Limestone/Dolomite | ◆ Other/Unknown | ▲ Limestone/Dolomite | ▲ Other/Unknown |
| ● Public Water Supply Wells | — Rivers | — Major Highway | Regional Water Planning Groups |
| | Counties | Cities | |

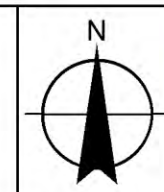
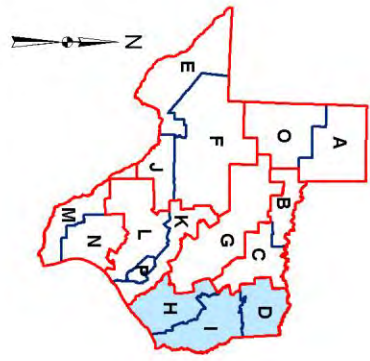
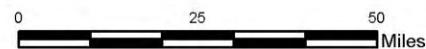
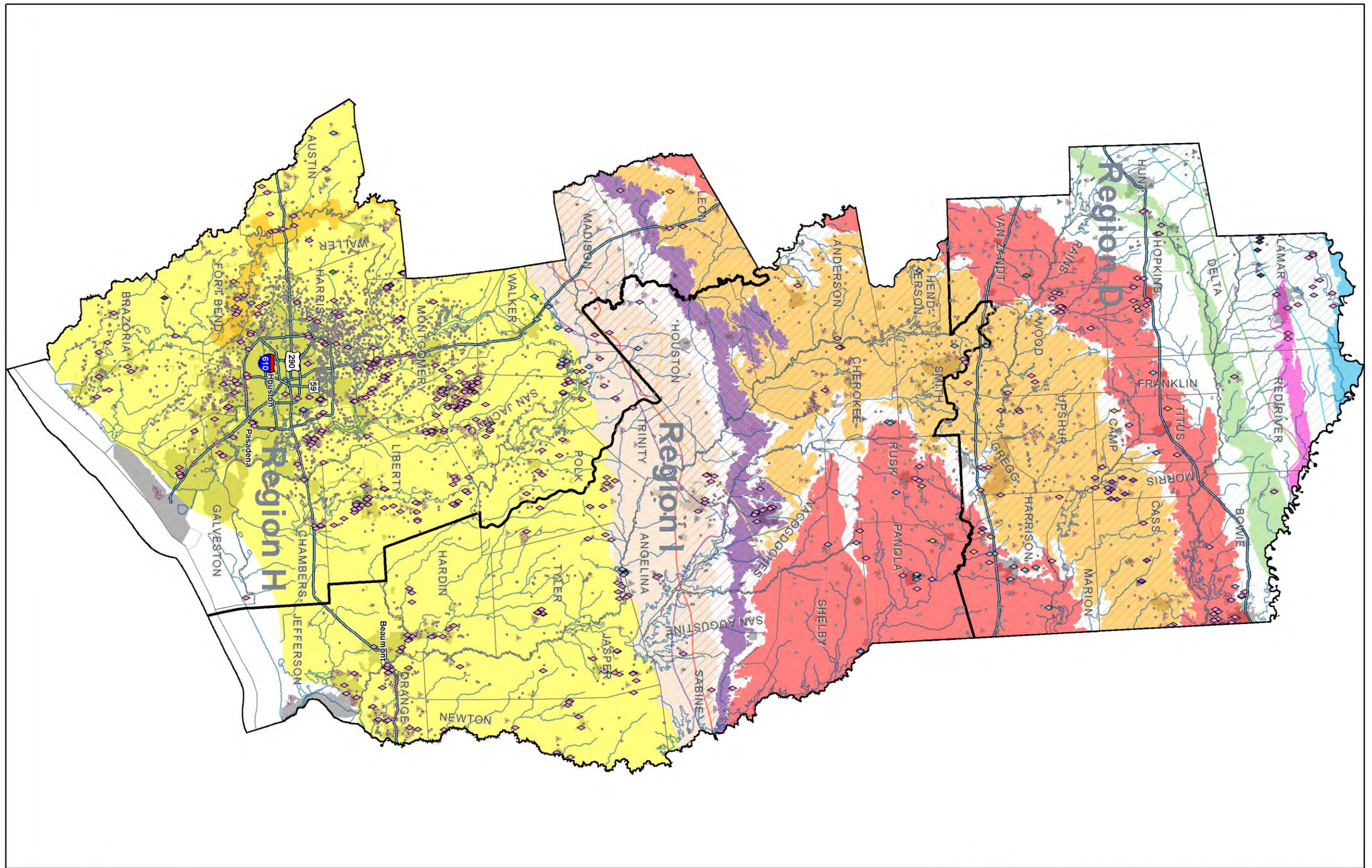


Plate 87



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)

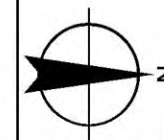


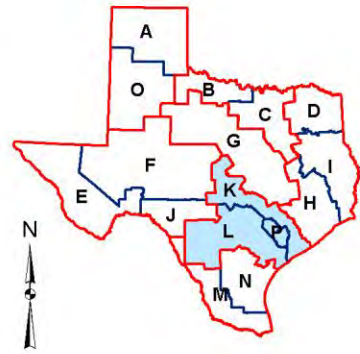
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Mined Lands

Regions D, H, and I

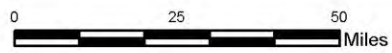
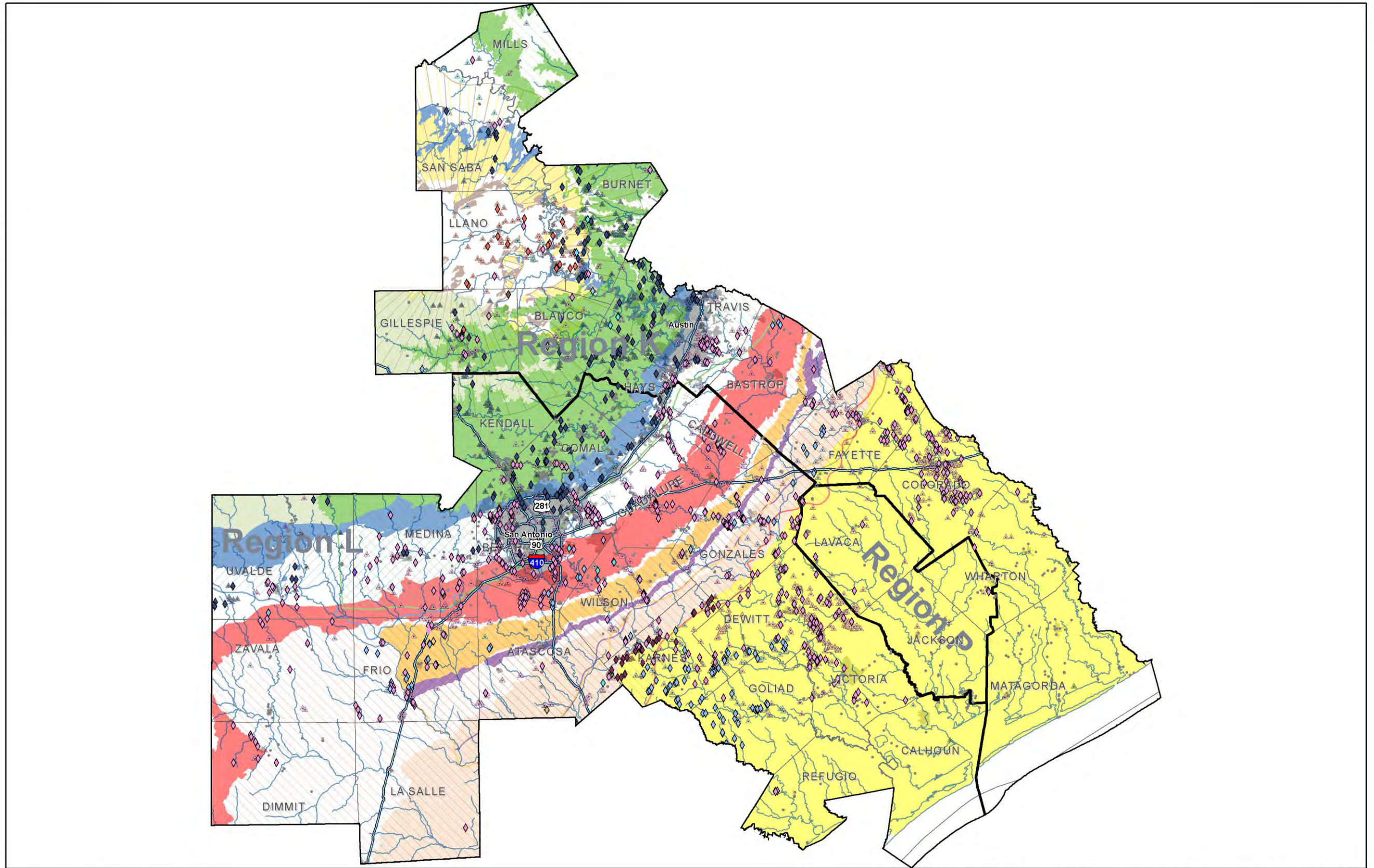
Explanation			
◆ Metals/Hard Minerals	◆ Gypsum	▲ Metals/Hard Minerals	▲ Gypsum
◆ Building Materials (Hard Rock)	◆ Soft Minerals	▲ Building Materials (Hard Rock)	▲ Soft Minerals
◆ Caliche	◆ Sand/Gravel	▲ Caliche	▲ Sand/Gravel
◆ Coal	◆ Sandstone	▲ Coal	▲ Sandstone
◆ Uranium	◆ Shale/Sand	▲ Uranium	▲ Shale/Sand
◆ Limestone/Dolomite	◆ Other/Unknown	▲ Limestone/Dolomite	▲ Other/Unknown
		● Public Water Supply Wells	— Rivers
			— Major Highway
			 Counties
			 Regional Water Planning Groups
			 Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



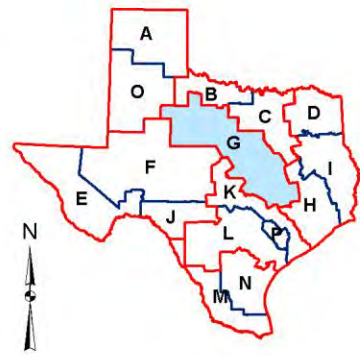
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Mined Lands

Regions K, L, and P

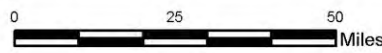
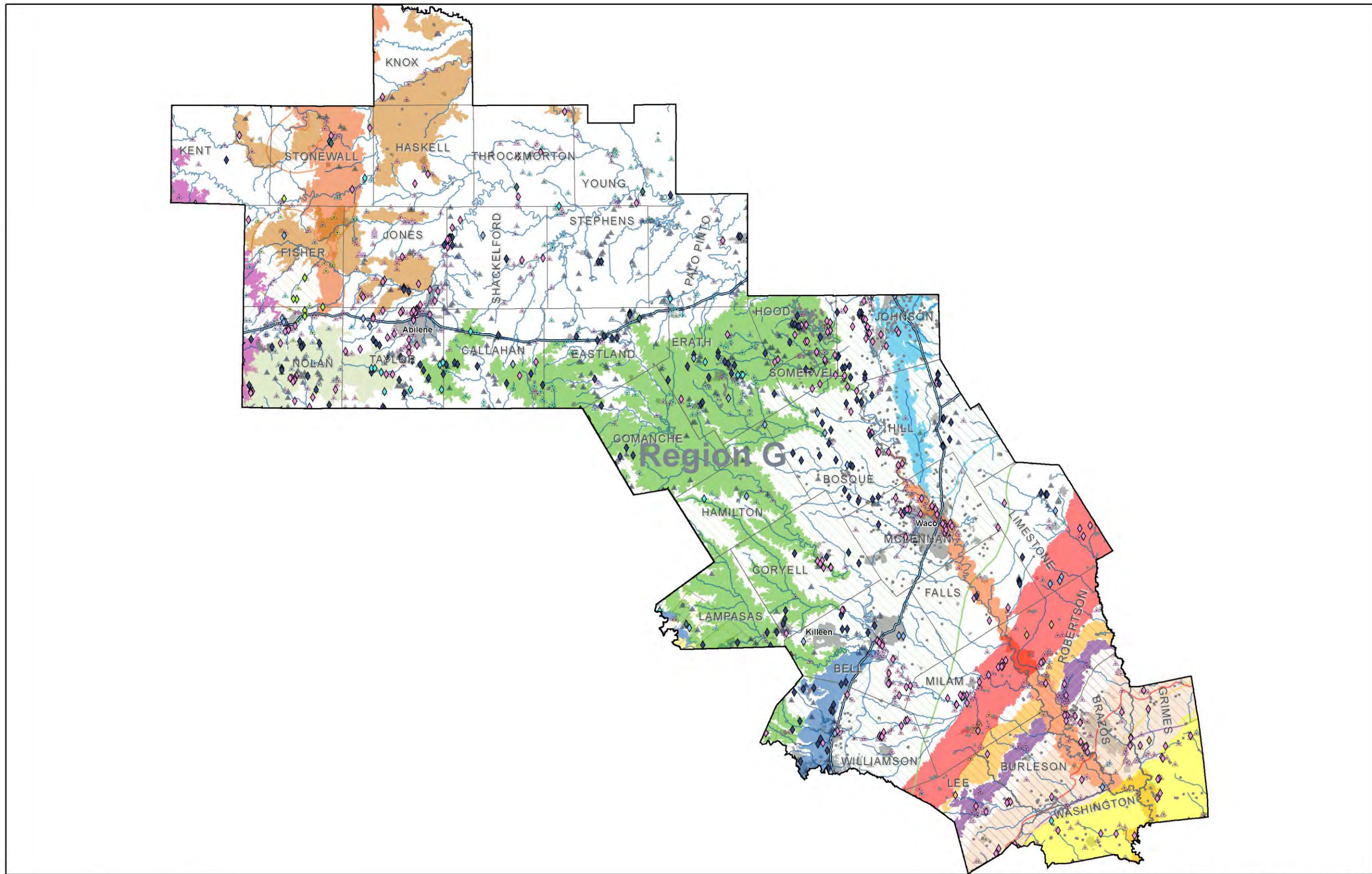
Explanation			
◆ Metals/Hard Minerals	◆ Gypsum	▲ Metals/Hard Minerals	▲ Gypsum
◆ Building Materials (Hard Rock)	◆ Soft Minerals	▲ Building Materials (Hard Rock)	▲ Soft Minerals
◆ Caliche	◆ Sand/Gravel	▲ Caliche	▲ Sand/Gravel
◆ Coal	◆ Sandstone	▲ Coal	▲ Sandstone
◆ Uranium	◆ Shale/Sand	▲ Uranium	▲ Shale/Sand
◆ Limestone/Dolomite	◆ Other/Unknown	▲ Limestone/Dolomite	▲ Other/Unknown
		* Public Water Supply Wells	
		— Rivers	
		— Major Highway	
		 Regional Water Planning Groups	
		 Counties	
		 Cities	





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

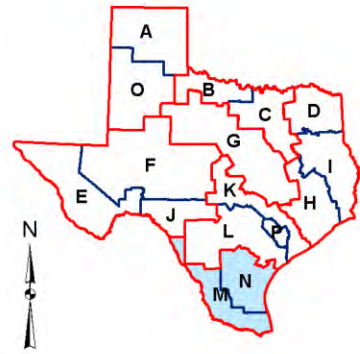
Location of Mined Lands

Regions G

Explanation					
◆ Metals/Hard Minerals	◆ Gypsum	▲ Metals/Hard Minerals	▲ Gypsum	● Public Water Supply Wells	
◆ Building Materials (Hard Rock)	◆ Soft Minerals	▲ Building Materials (Hard Rock)	▲ Soft Minerals	— Rivers	
◆ Caliche	◆ Sand/Gravel	▲ Caliche	▲ Sand/Gravel	— Major Highway	
◆ Coal	◆ Sandstone	▲ Coal	▲ Sandstone	 Regional Water Planning Groups	
◆ Uranium	◆ Shale/Sand	▲ Uranium	▲ Shale/Sand	 Counties	
◆ Limestone/Dolomite	◆ Other/Unknown	▲ Limestone/Dolomite	▲ Other/Unknown	 Cities	

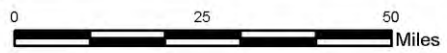
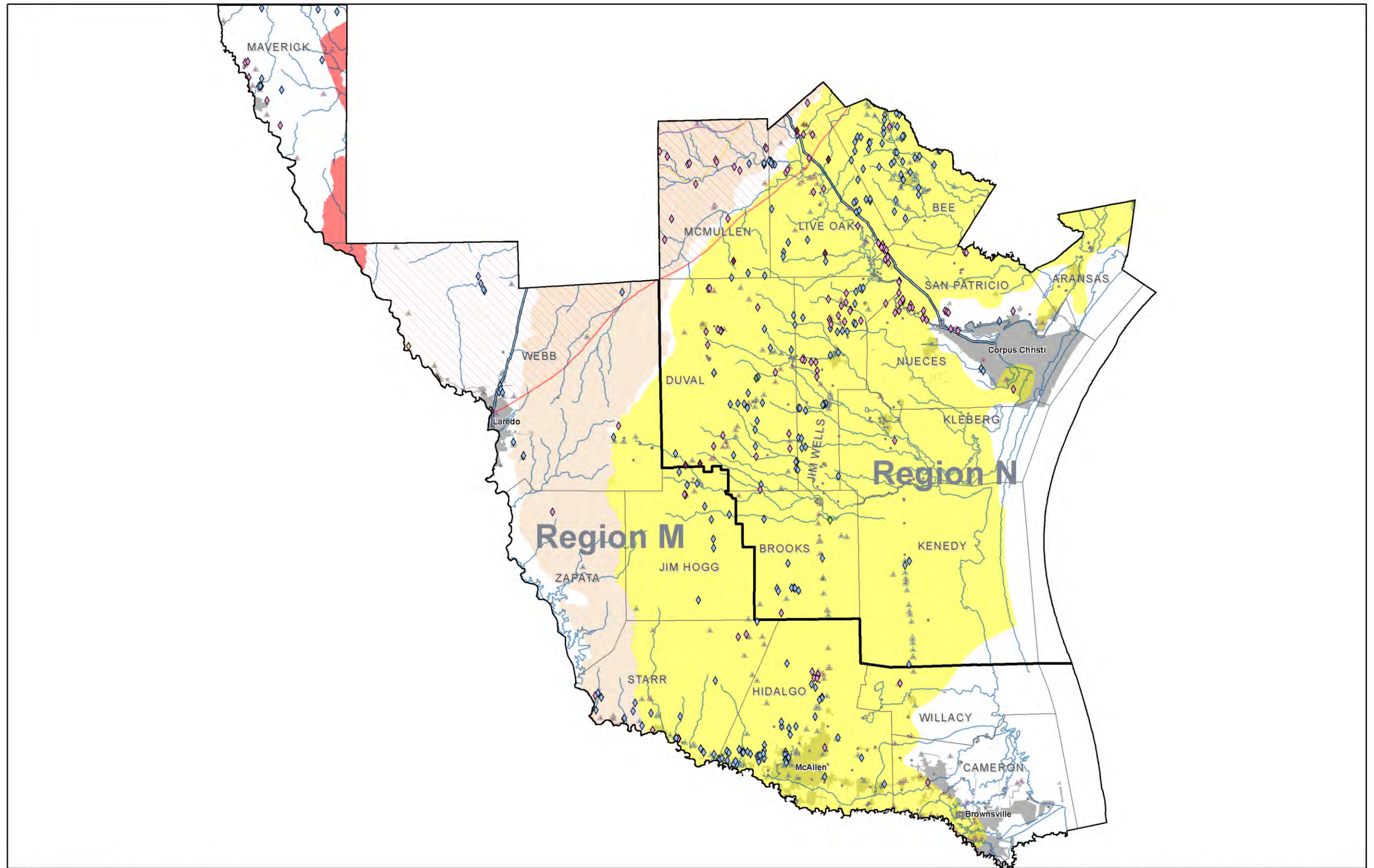


Plate 90



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



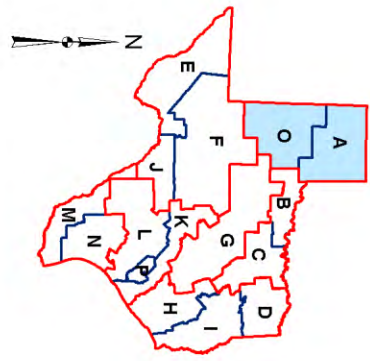
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Mined Lands

Regions M and N

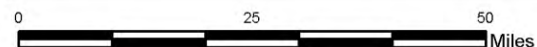
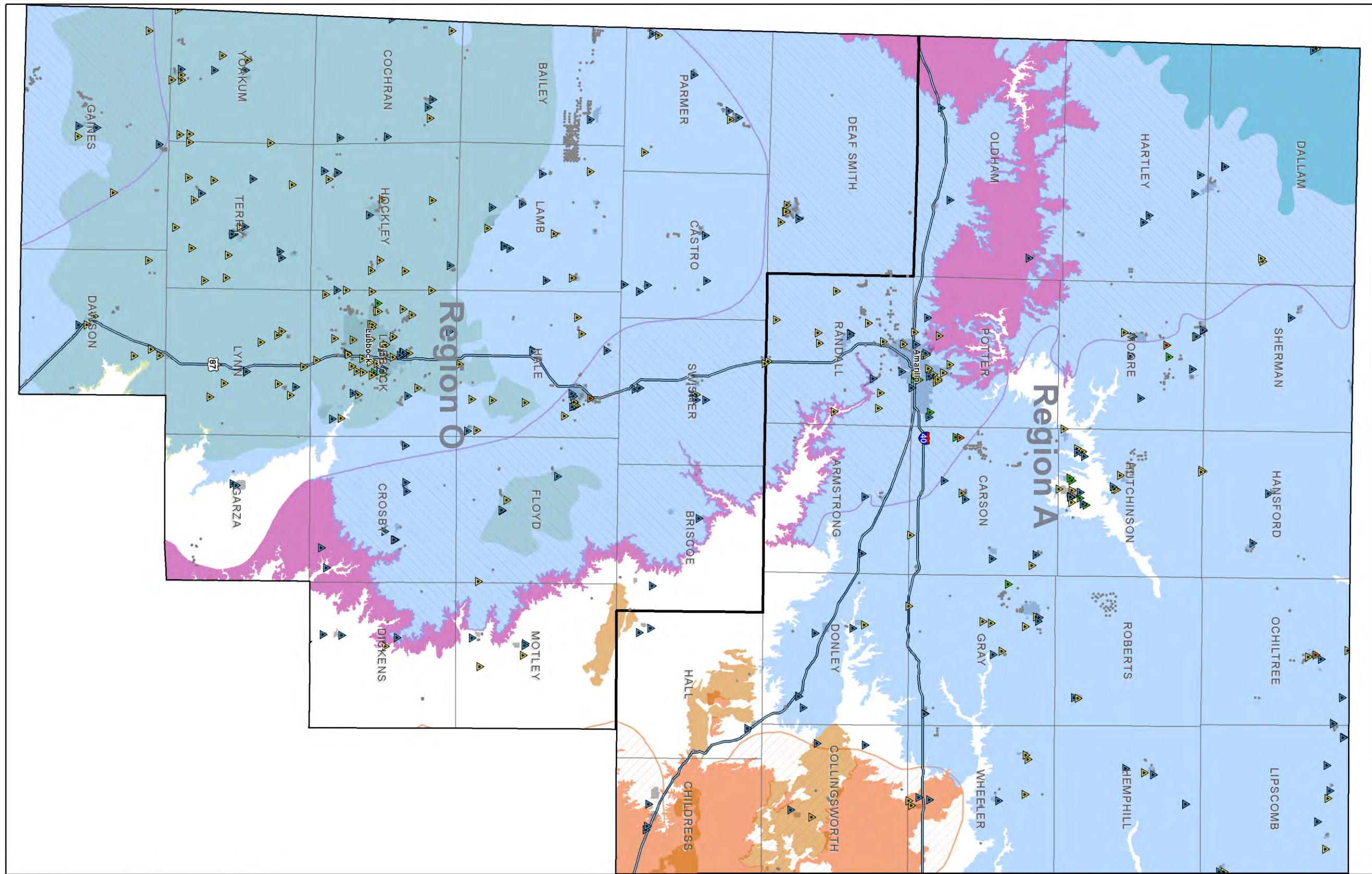
Explanation			
◆ Metals/Hard Minerals	◆ Gypsum	▲ Metals/Hard Minerals	▲ Gypsum
◆ Building Materials (Hard Rock)	◆ Soft Minerals	▲ Building Materials (Hard Rock)	▲ Soft Minerals
◆ Caliche	◆ Sand/Gravel	▲ Caliche	▲ Sand/Gravel
◆ Coal	◆ Sandstone	▲ Coal	▲ Sandstone
◆ Uranium	◆ Shale/Sand	▲ Uranium	▲ Shale/Sand
◆ Limestone/Dolomite	◆ Other/Unknown	▲ Limestone/Dolomite	▲ Other/Unknown
		● Public Water Supply Wells	— Rivers
		— Major Highway	 Regional Water Planning Groups
		 Counties	 Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



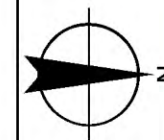
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Municipal and Industrial Hazardous Waste Sites/Landfills

Regions A and O

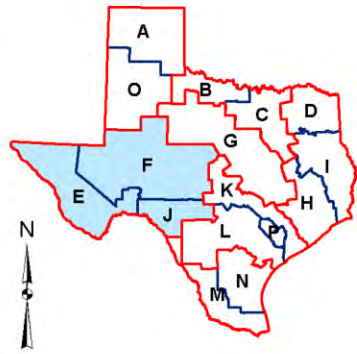
Explanation

- Superfund Site
- Industrial Hazardous Waste
- Municipal Solid Waste - Abandoned
- Municipal Solid Waste - Active
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



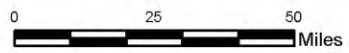
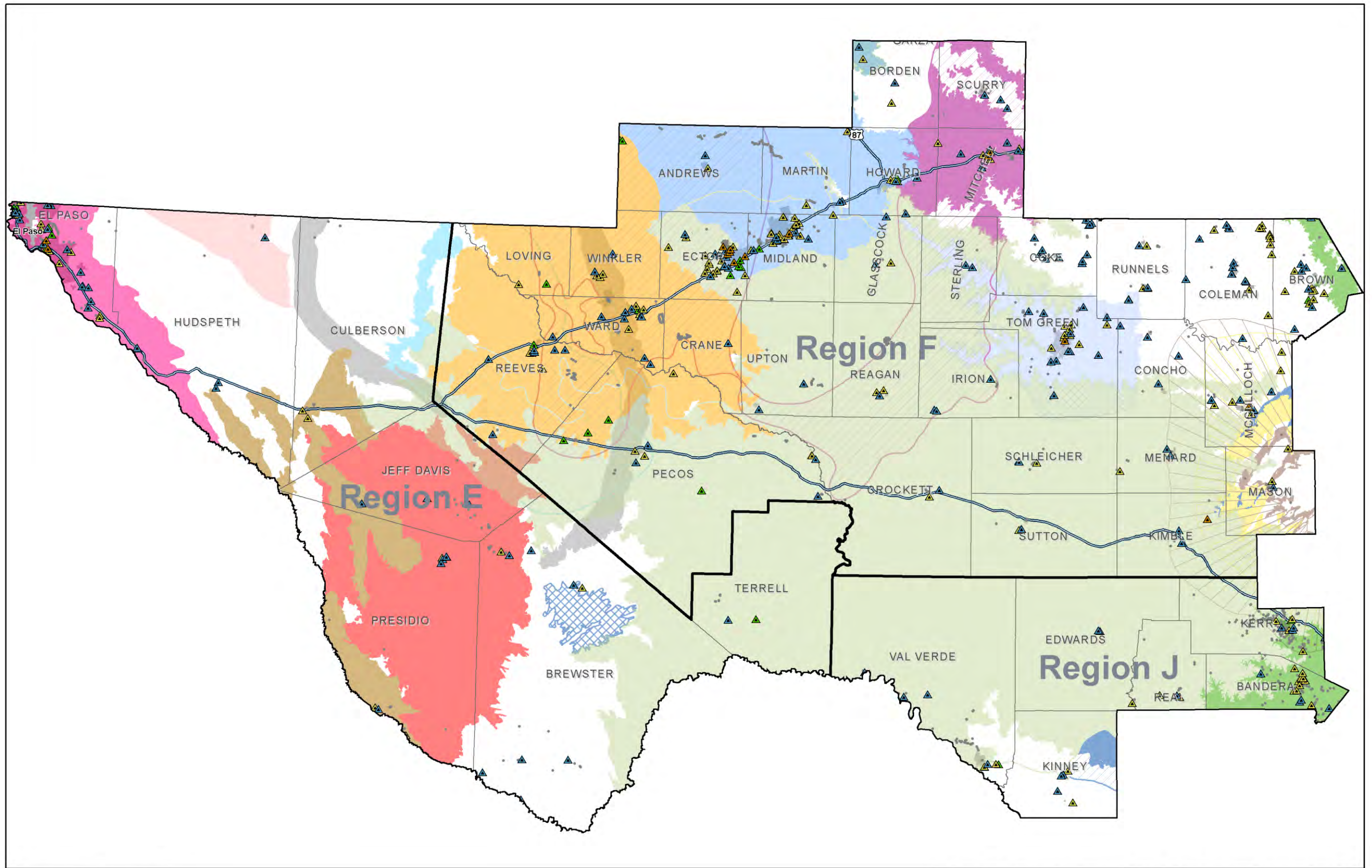
LBG-GUYTON ASSOCIATES

Plate 92



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



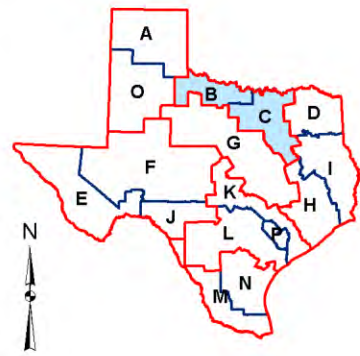
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Municipal and Industrial Hazardous Waste Sites/Landfills
Regions E, F, and J

Explanation

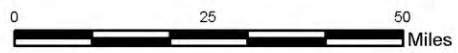
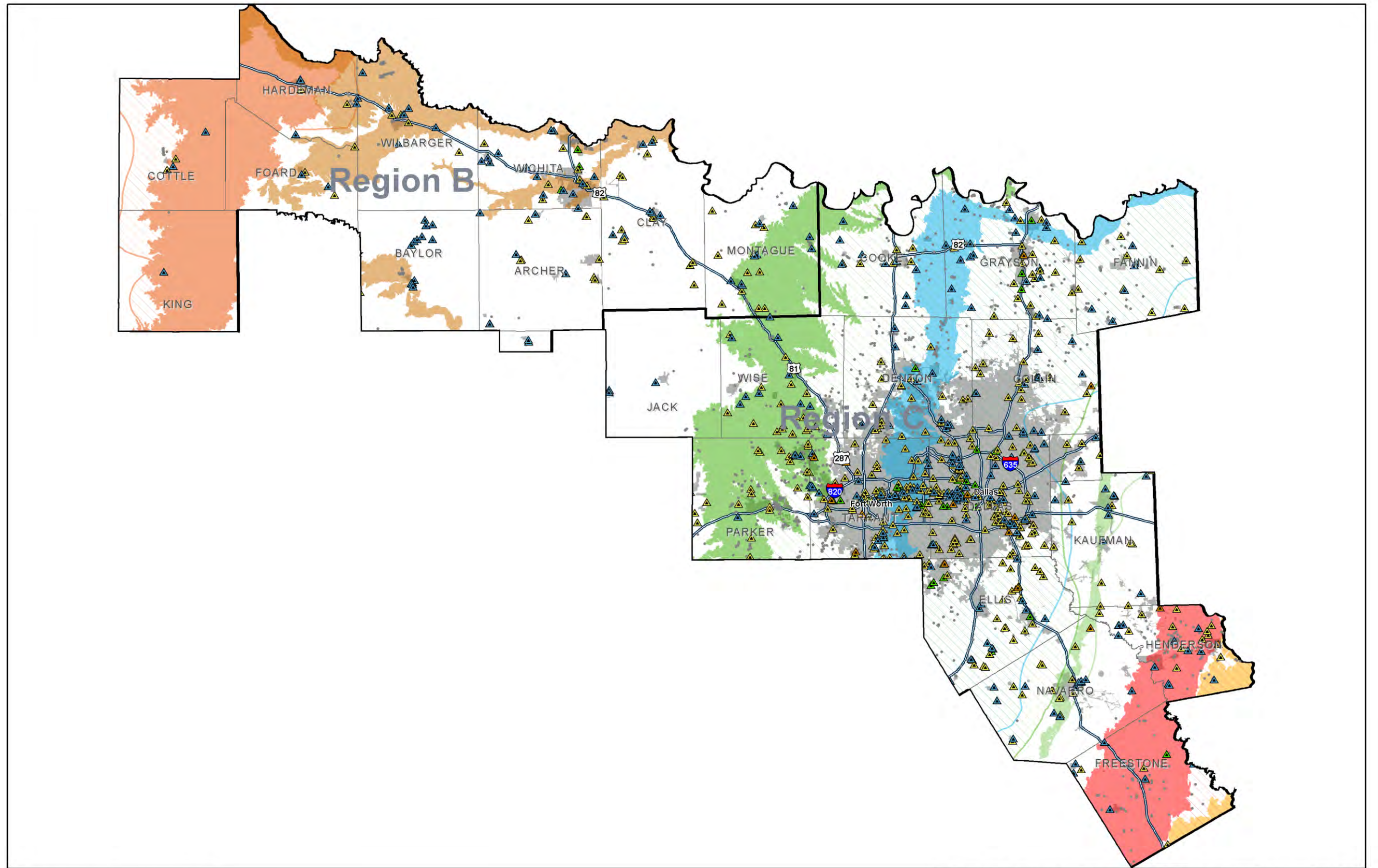
- Superfund Site
- Industrial Hazardous Waste
- Municipal Solid Waste - Abandoned
- Municipal Solid Waste - Active
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

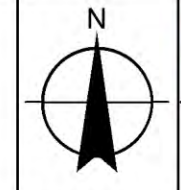


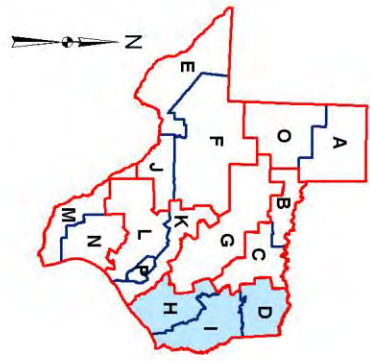
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Municipal and Industrial Hazardous Waste Sites/Landfills
Regions B and C

Explanation

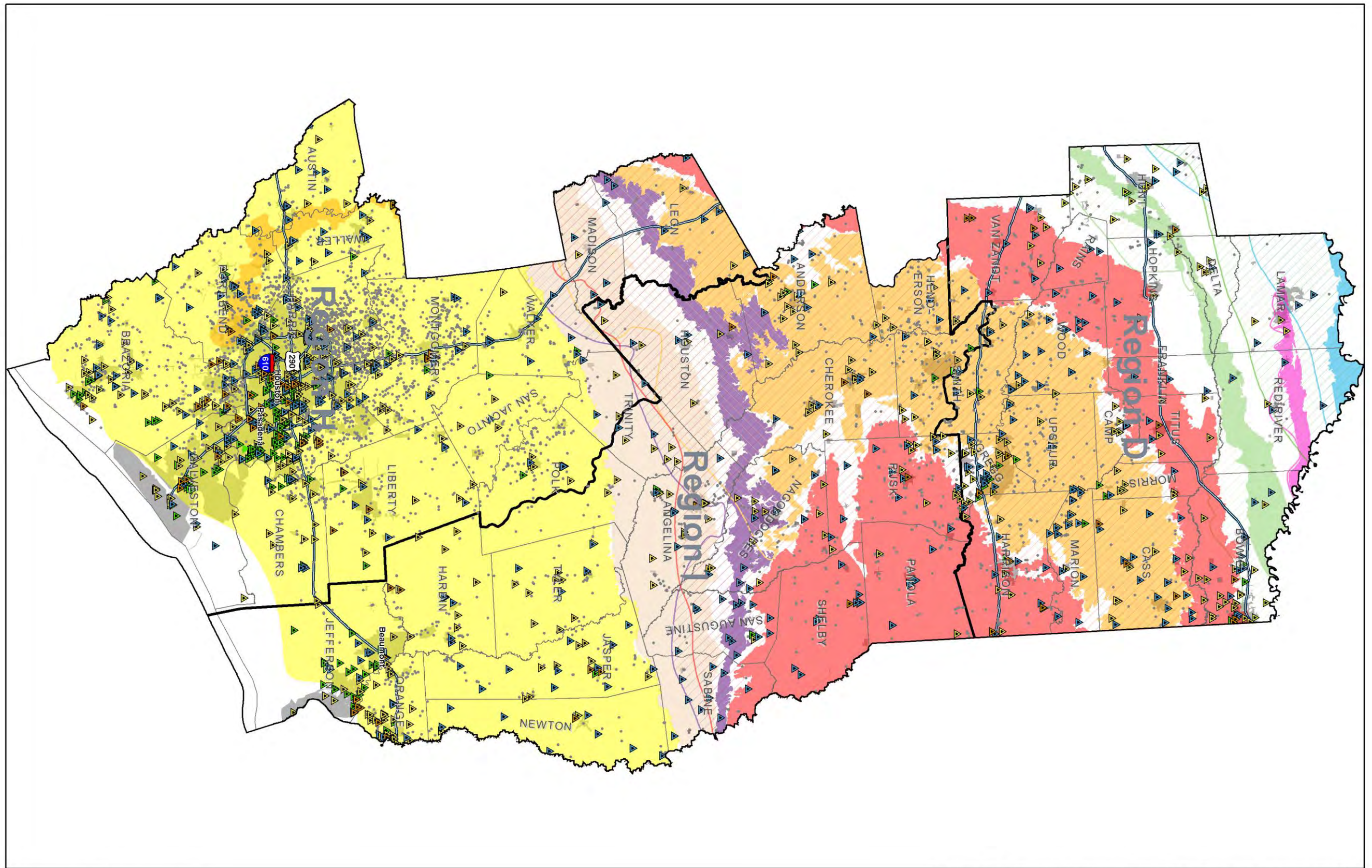
- Superfund Site
- Industrial Hazardous Waste
- Municipal Solid Waste - Abandoned
- Municipal Solid Waste - Active
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



0 25 50 Miles

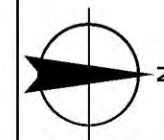
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Municipal and Industrial Hazardous Waste Sites/Landfills

Regions D, H, and I

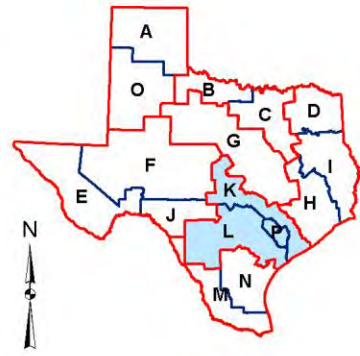
Explanation

- Superfund Site
- Industrial Hazardous Waste
- Municipal Solid Waste - Abandoned
- Municipal Solid Waste - Active
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



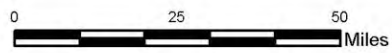
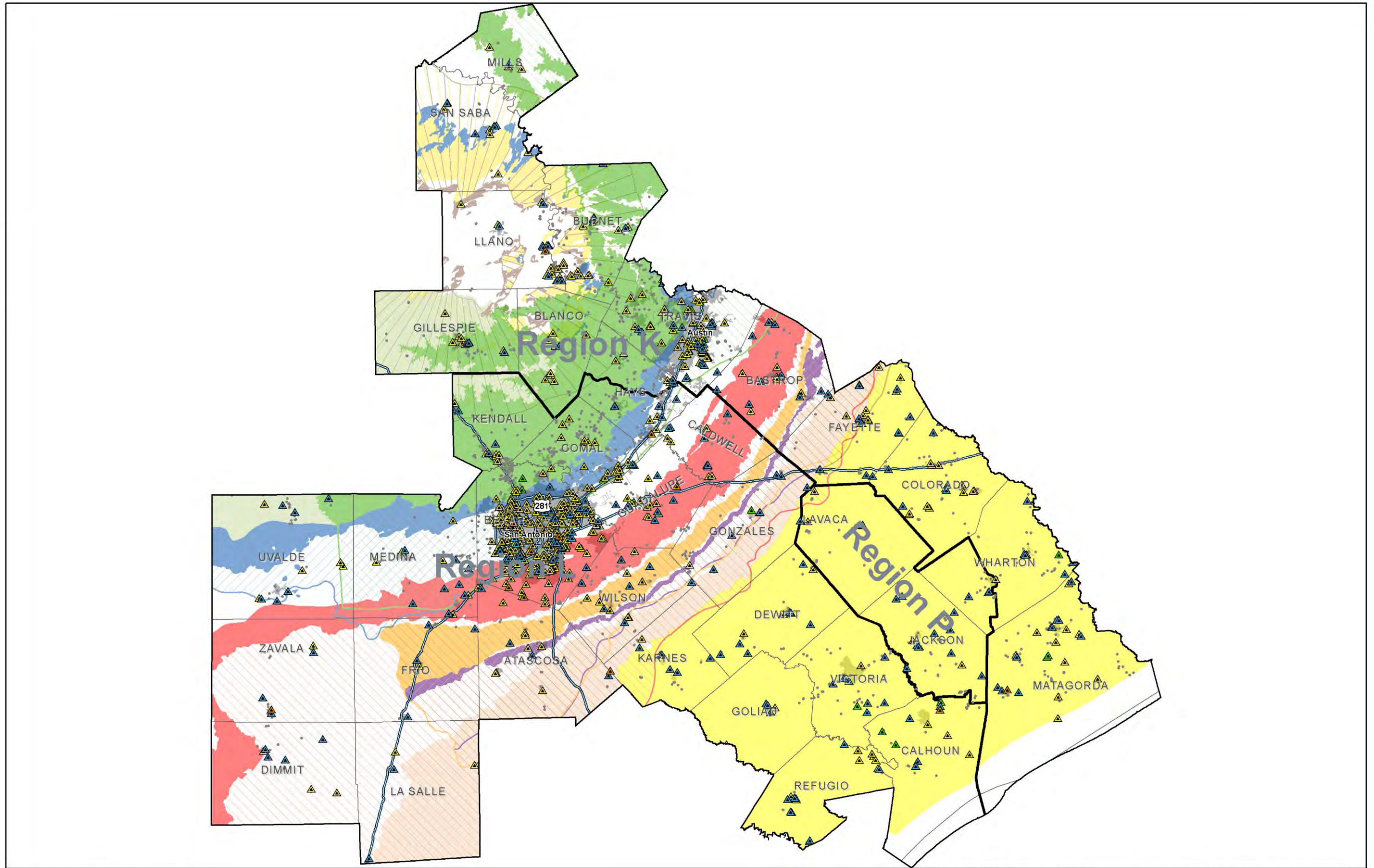
LBG-GUYTON ASSOCIATES

Plate 95



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Municipal and Industrial Hazardous Waste Sites/Landfills

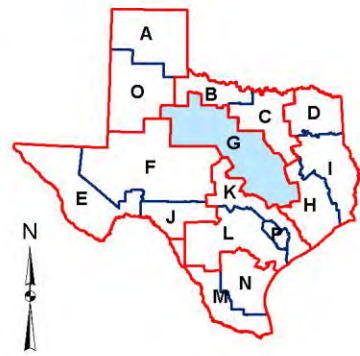
Regions K, L, and P

Explanation

- Superfund Site
- Industrial Hazardous Waste
- Municipal Solid Waste - Abandoned
- Municipal Solid Waste - Active
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

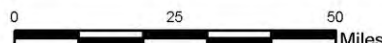
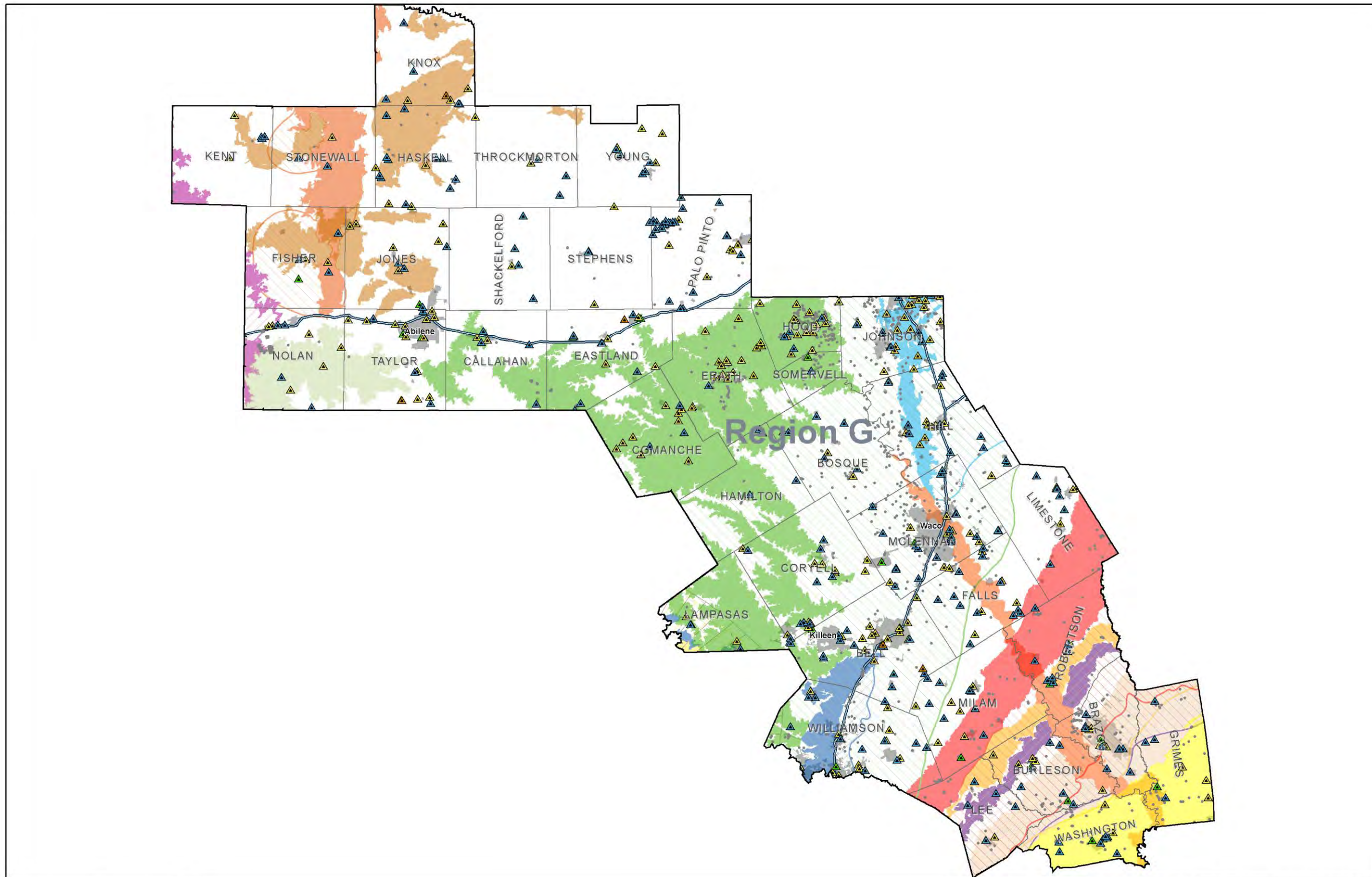


Plate 96



Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Municipal and Industrial Hazardous Waste Sites/Landfills

Regions G

Explanation

- Superfund Site
- Industrial Hazardous Waste
- Municipal Solid Waste - Abandoned
- Municipal Solid Waste - Active
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

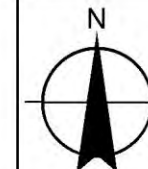
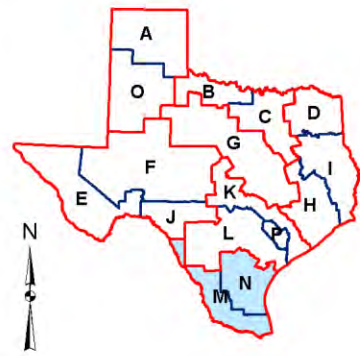
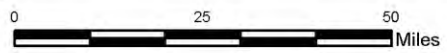
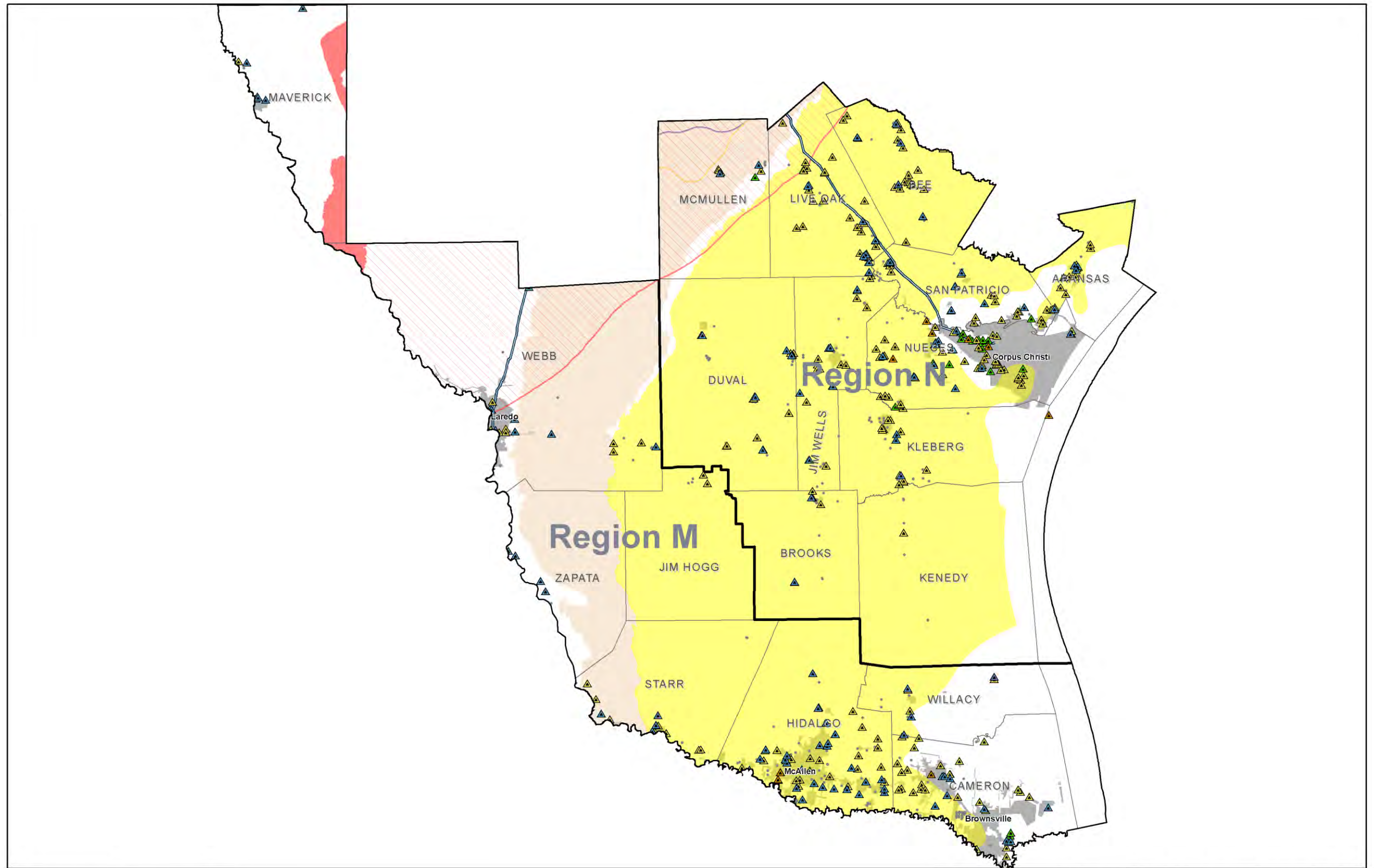


Plate 97



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



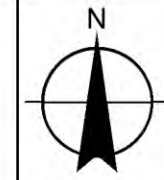
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

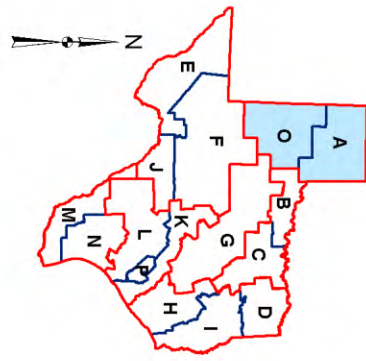
Location of Municipal and Industrial Hazardous Waste Sites/Landfills

Regions M and N

Explanation

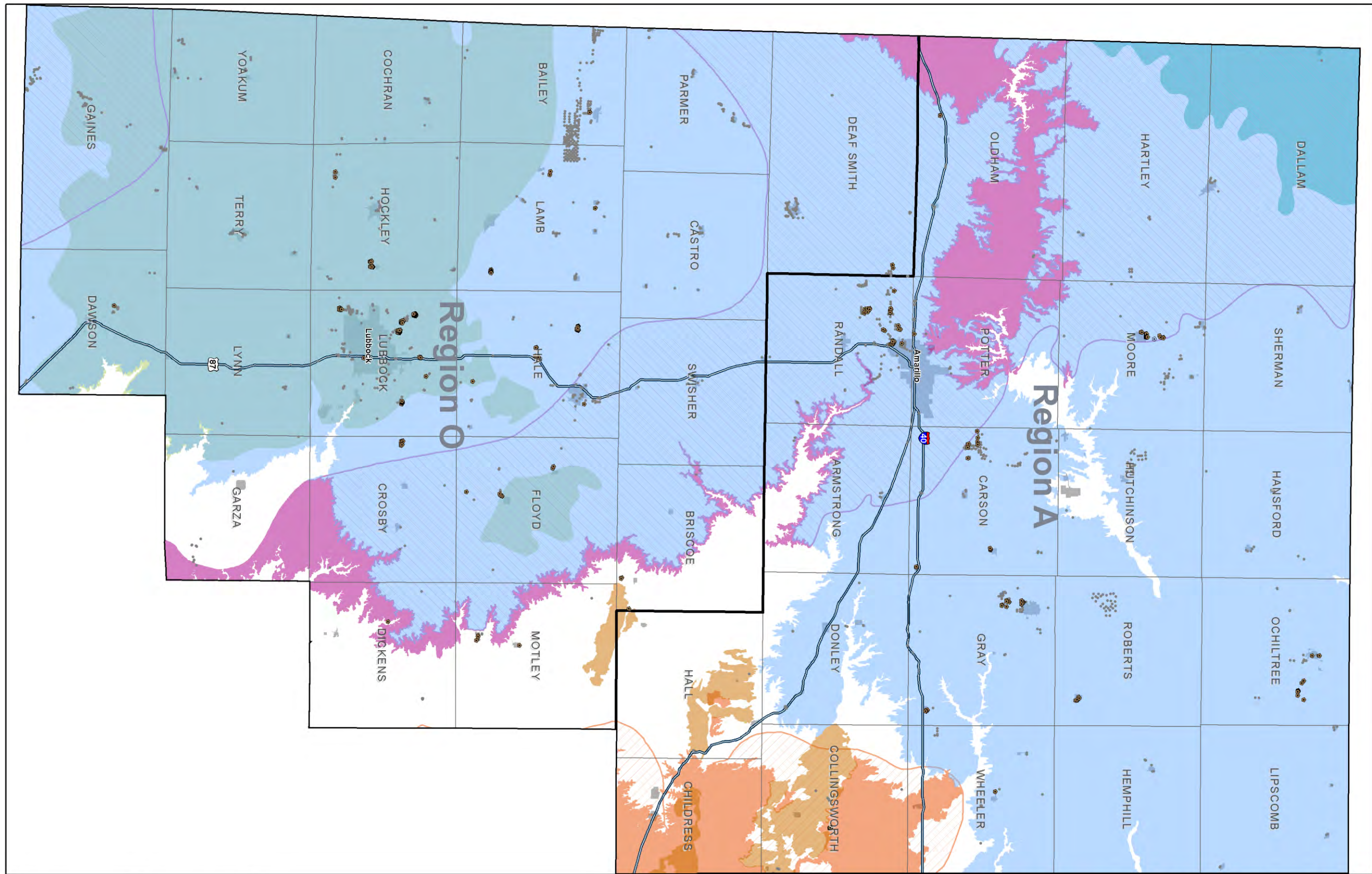
- Superfund Site
- Industrial Hazardous Waste
- Municipal Solid Waste - Abandoned
- Municipal Solid Waste - Active
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



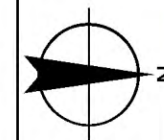
0 25 50 Miles

(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of TCEQ-Registered Septic Systems
Regions A and O

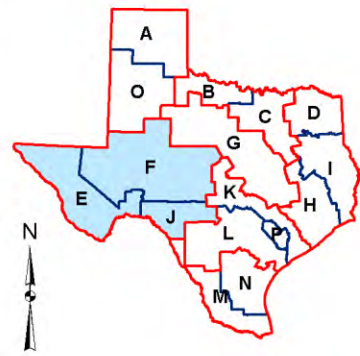
Explanation

- Septic System
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Cities



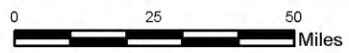
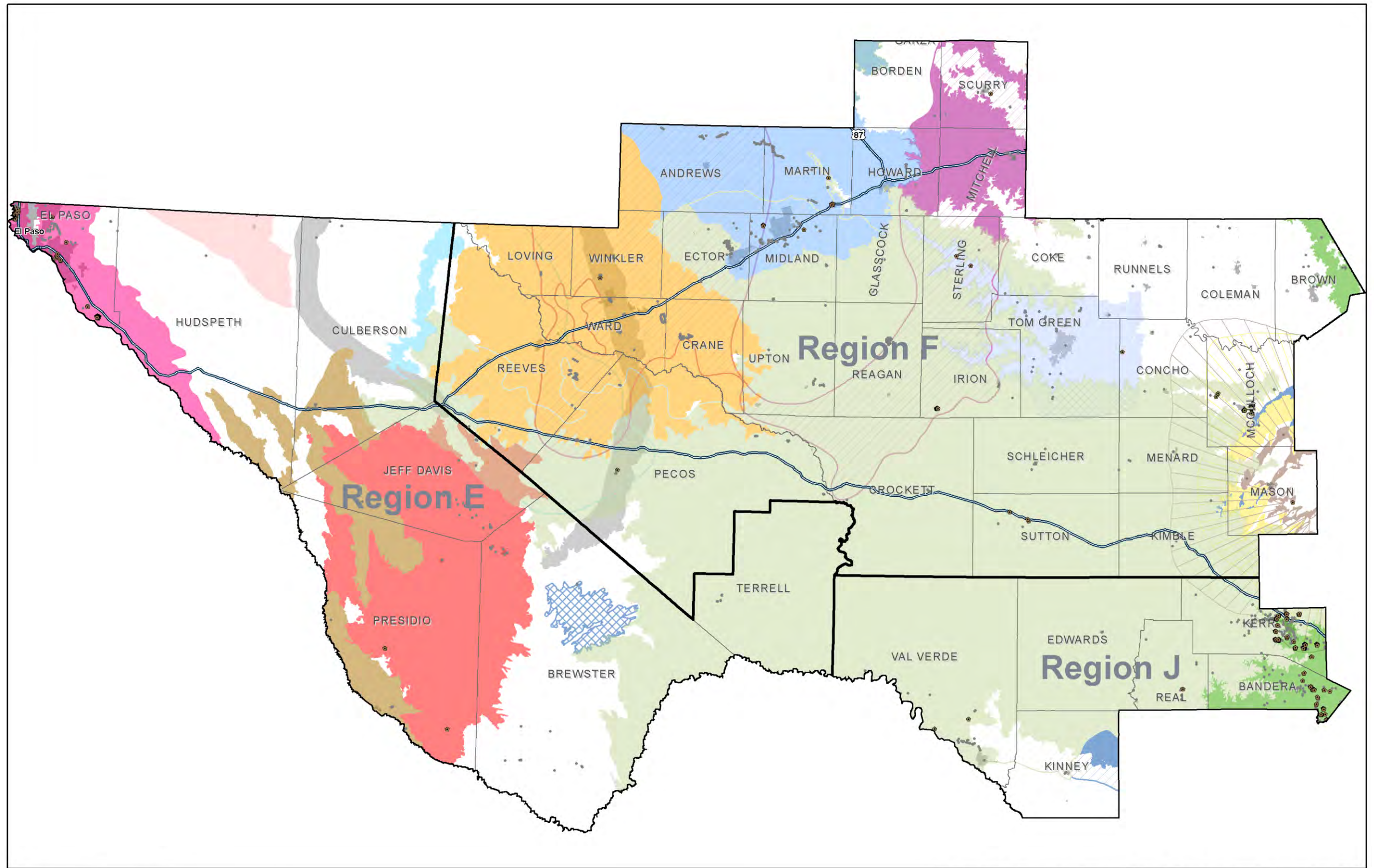
LBG-GUYTON ASSOCIATES

Plate 99



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

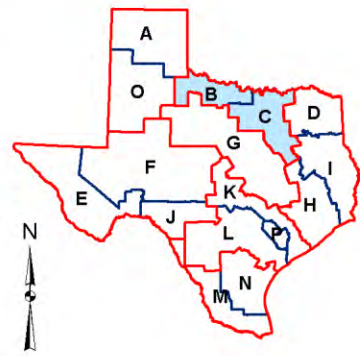
Location of TCEQ-Registered Septic Systems

Regions E, F, and J

Explanation

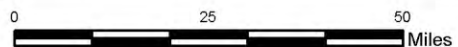
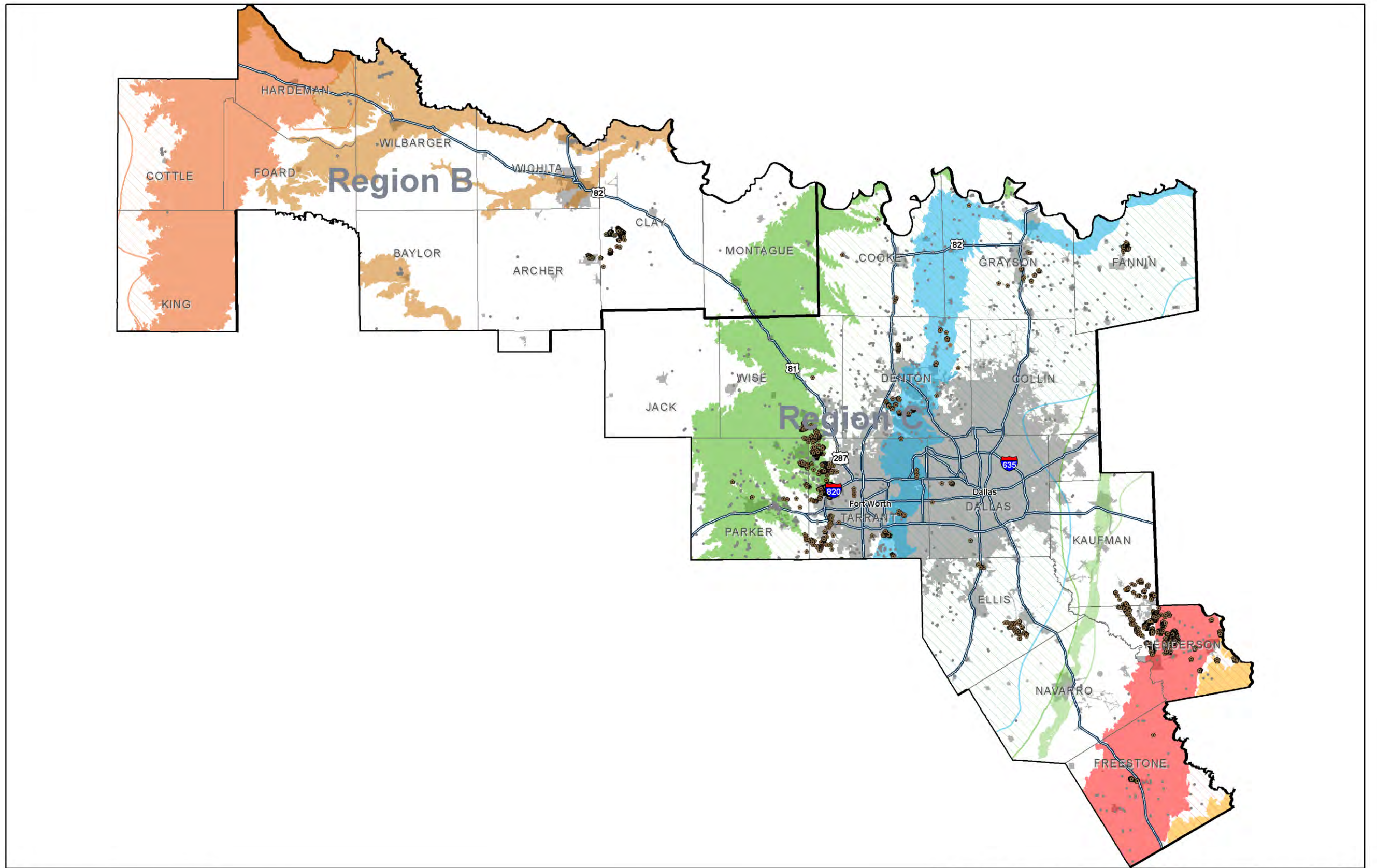
- Septic System
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



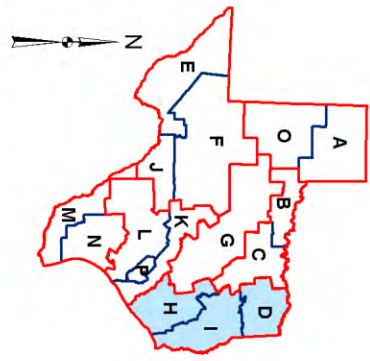
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of TCEQ-Registered Septic Systems
Regions B and C

Explanation

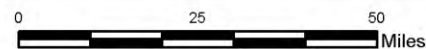
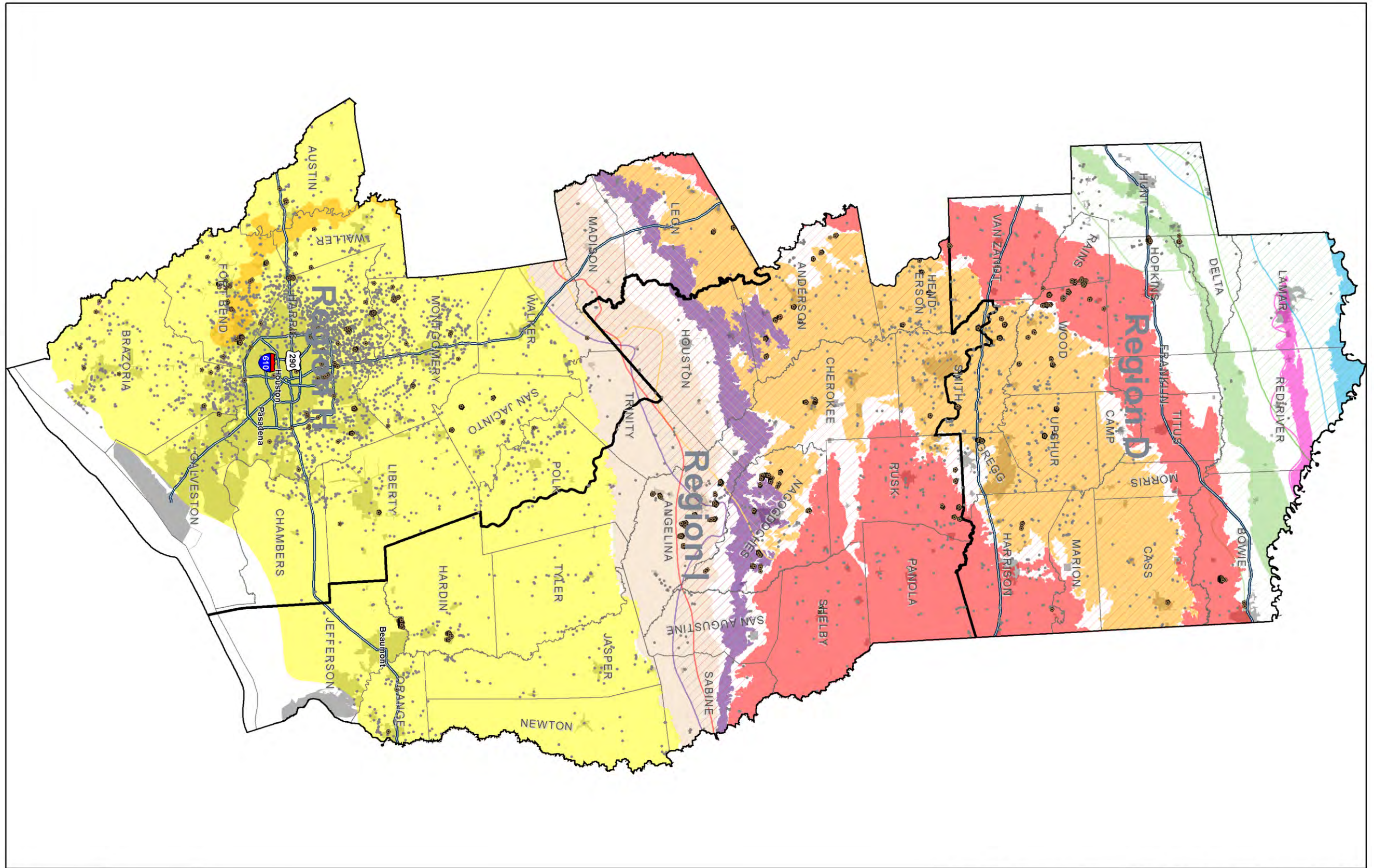
- Septic System
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)

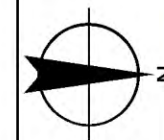


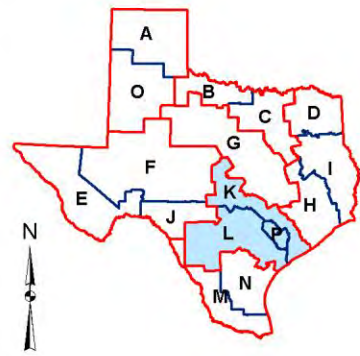
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of TCEQ-Registered Septic Systems
Regions D, H, and I

Explanation

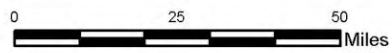
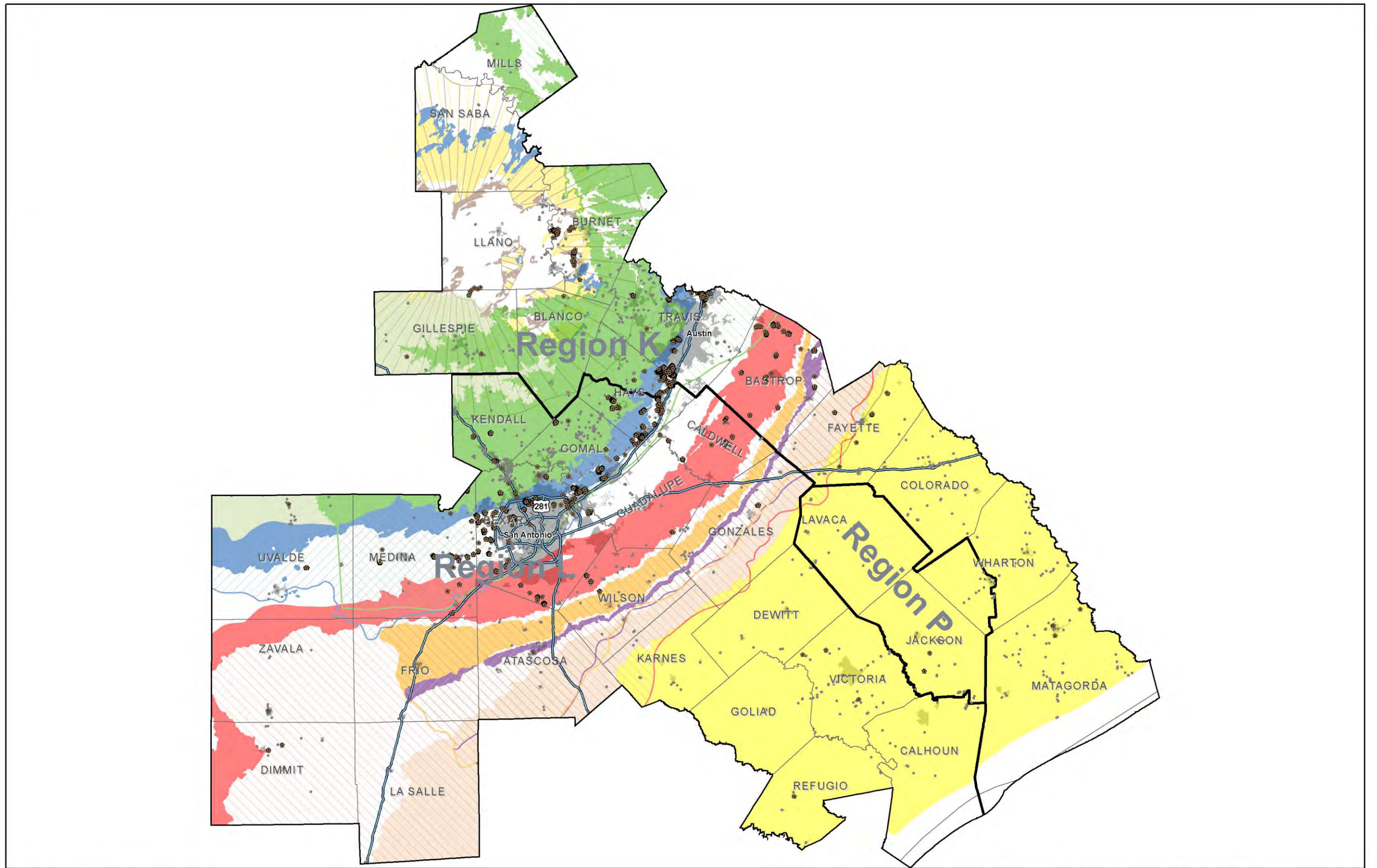
- Septic System
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

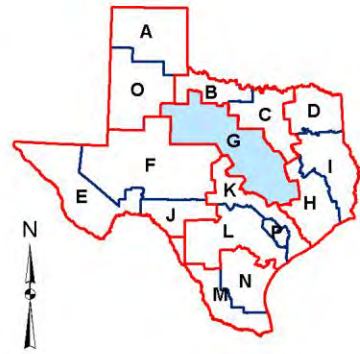


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of TCEQ-Registered Septic Systems
Regions K, L, and P

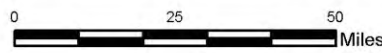
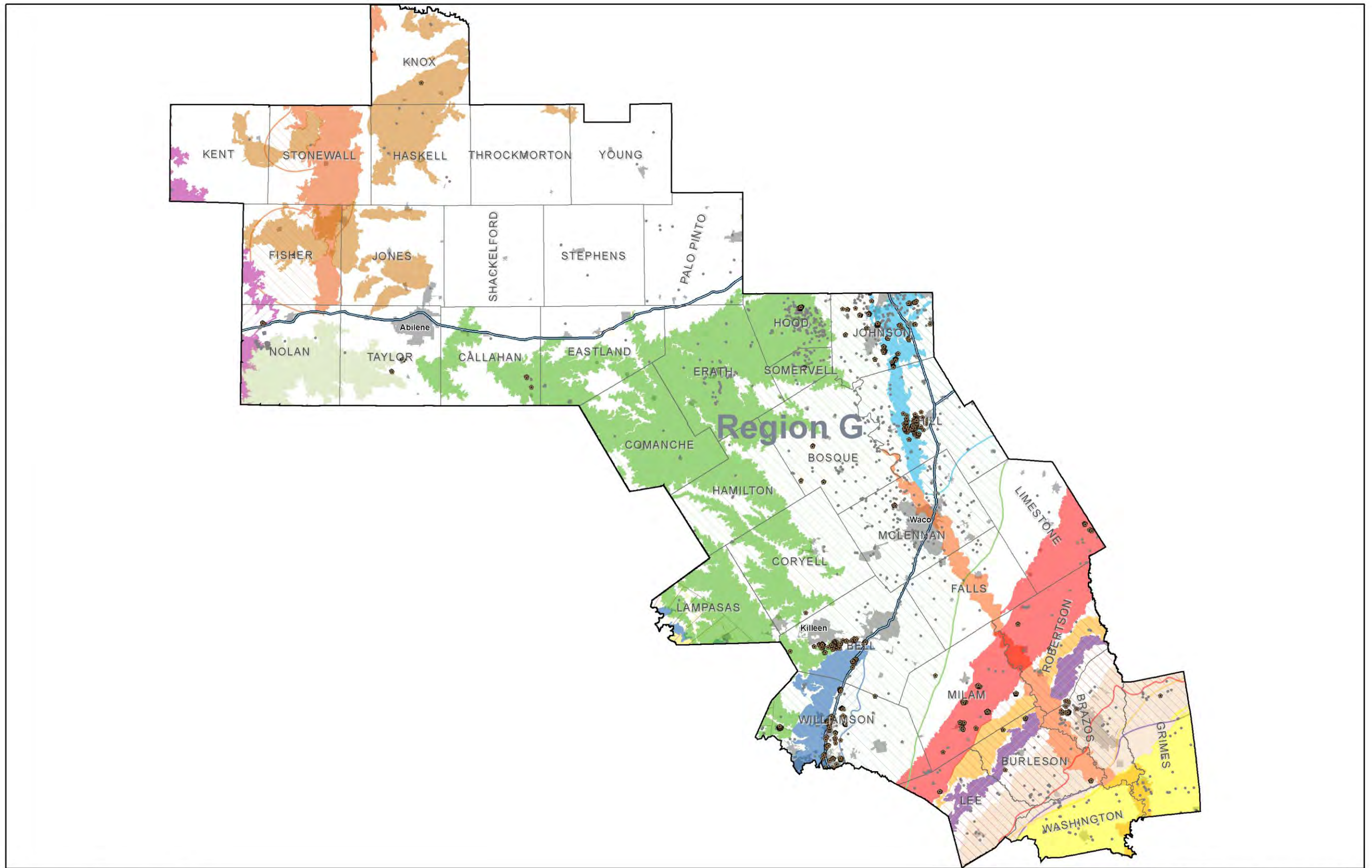
- Explanation**
- Septic System
 - Public Water Supply Wells
 - Major Highway
 - Regional Water Planning Groups
 - Counties
 - Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

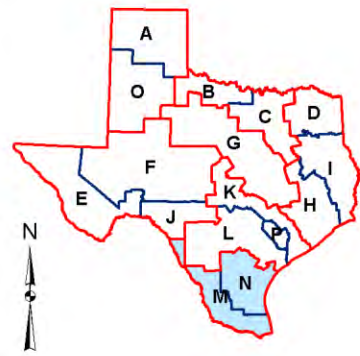
**Location of TCEQ-Registered
Septic Systems**
Regions G

Explanation

- Septic System
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

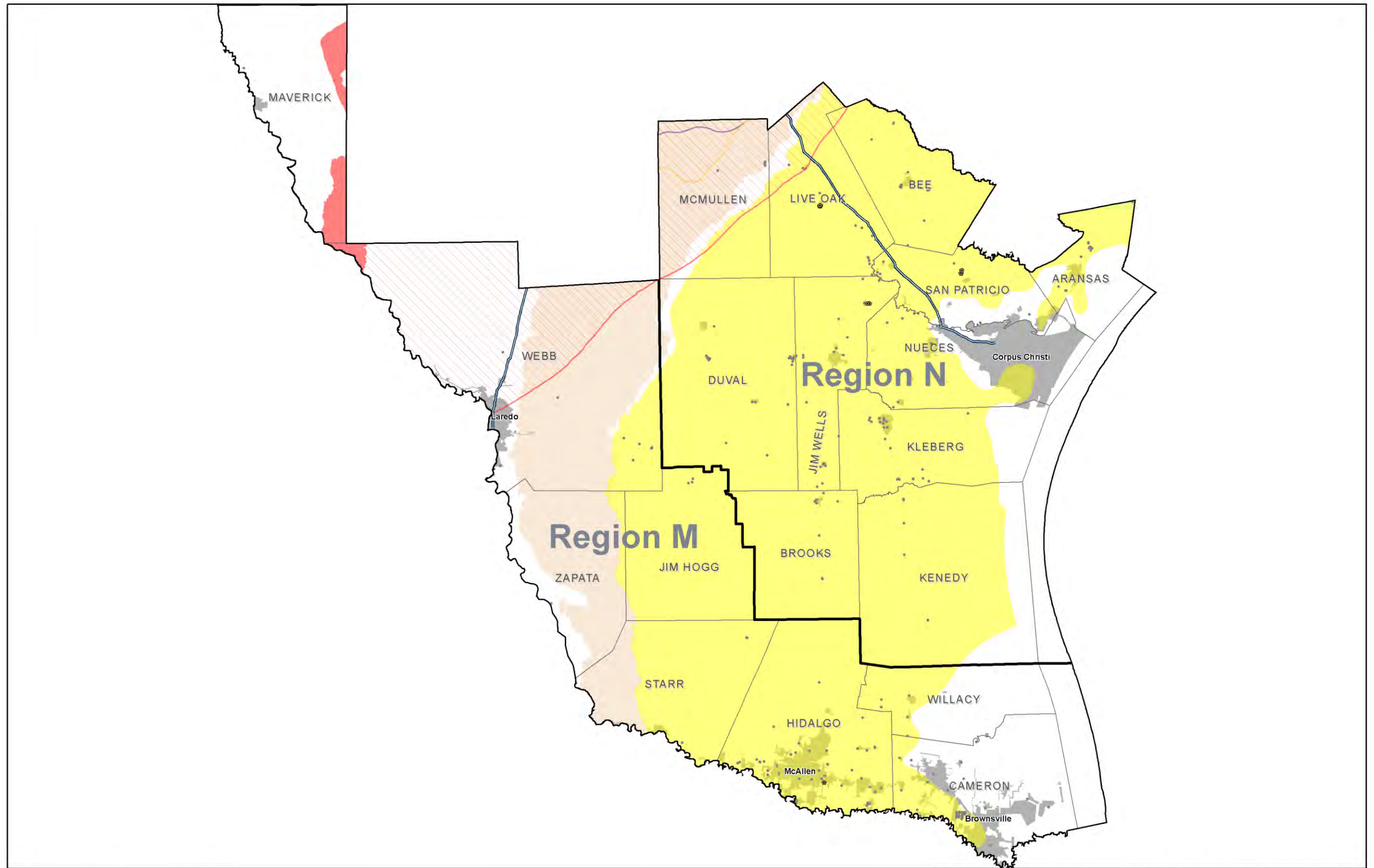


Plate 104



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

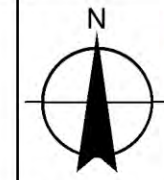


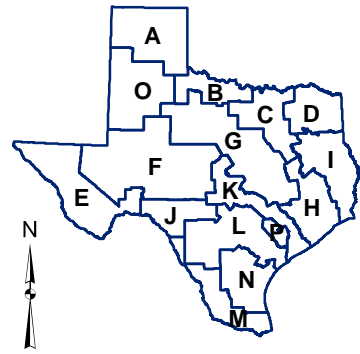
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Location of TCEQ-Registered
Septic Systems**
Regions M and N

Explanation

- Septic System
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





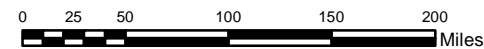
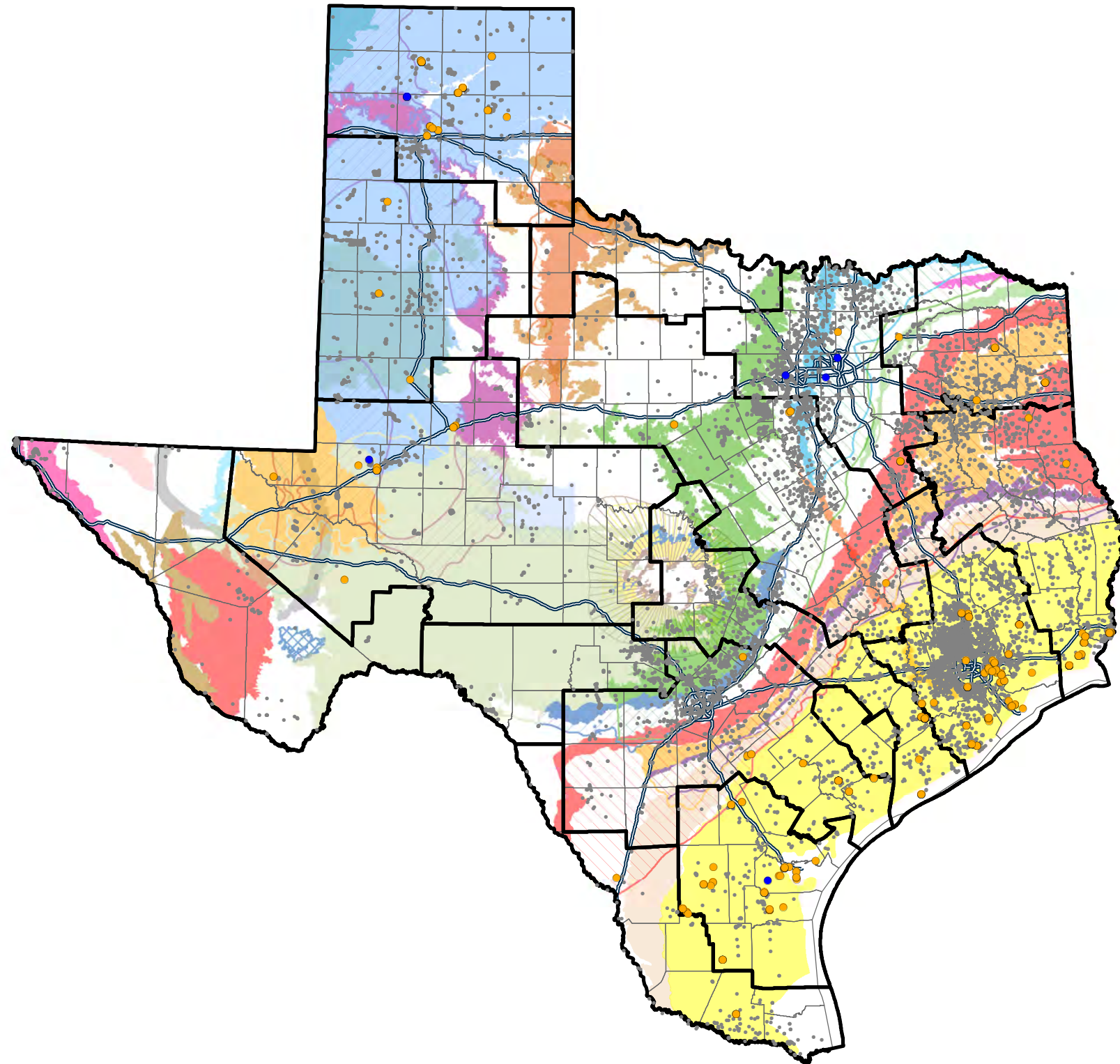
Aquifers of Texas

Major Aquifers

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)

Minor Aquifers

- Brazos River Alluvium
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (confined)
- Yegua Jackson
- Igneous
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Nacatoch (outcrop)
- Nacatoch (confined)
- Blossom (outcrop)
- Blossom (confined)
- Woodbine (outcrop)
- Woodbine (confined)
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (confined)
- Rustler (outcrop)
- Rustler (confined)
- Capitan Reef Complex
- Blaine (outcrop)
- Blaine (confined)
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)

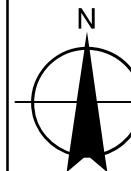


(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class I and Class IV Injection Wells

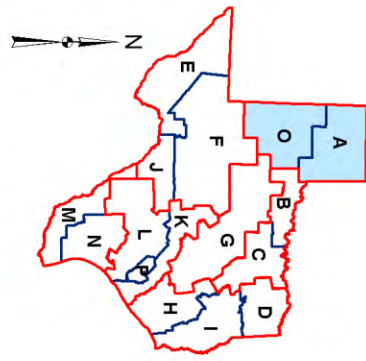
Explanation

- UIC Class I Injection Well
- UIC Legal Class IV Injection Well
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



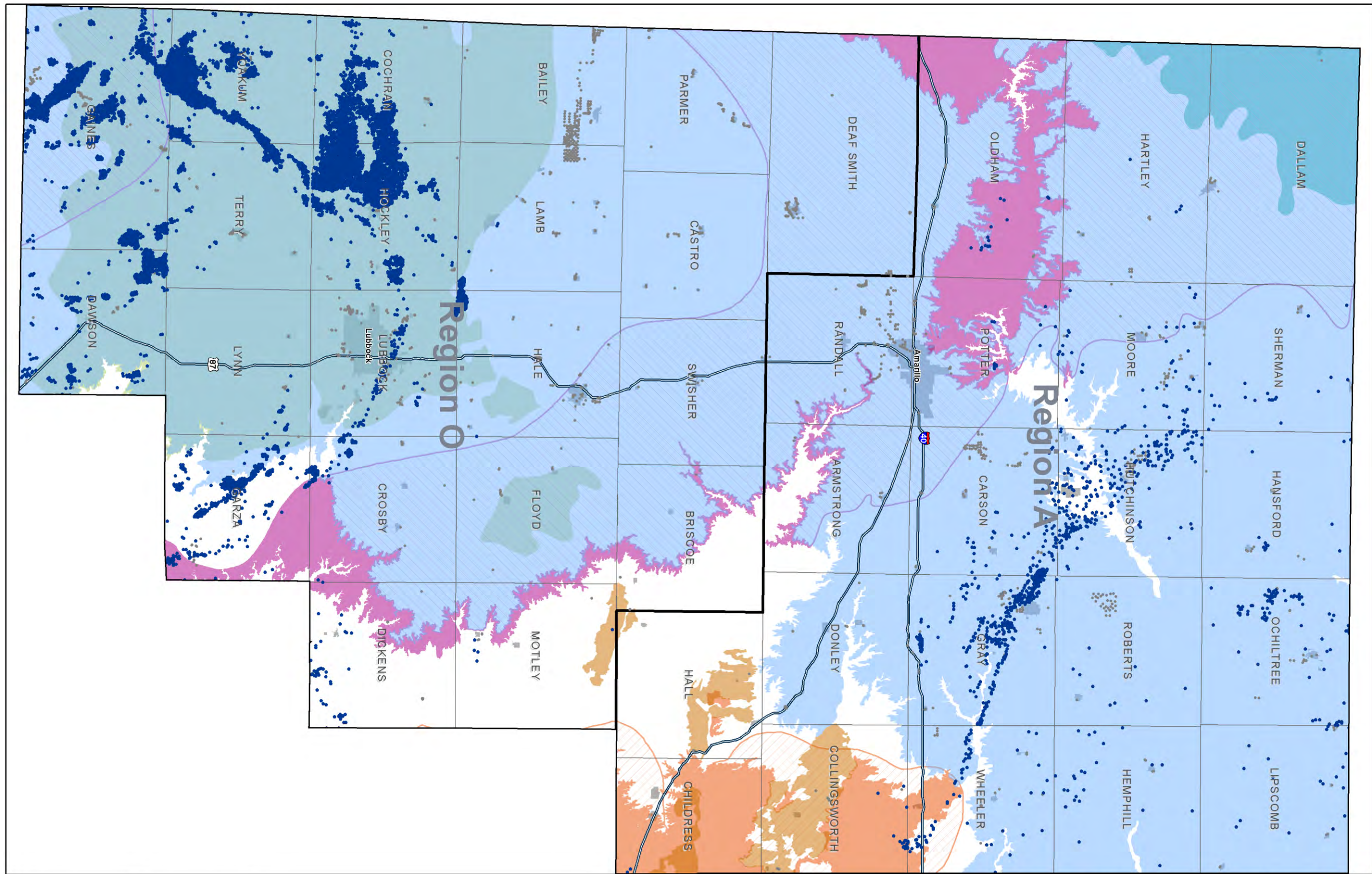
LBG-GUYTON ASSOCIATES

Plate 106



Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



0 25 50 Miles

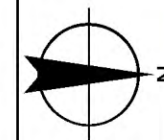
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class II Injection Wells

Regions A and O

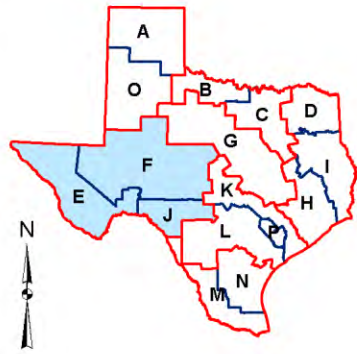
Explanation

- Class II Injection Wells
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Cities



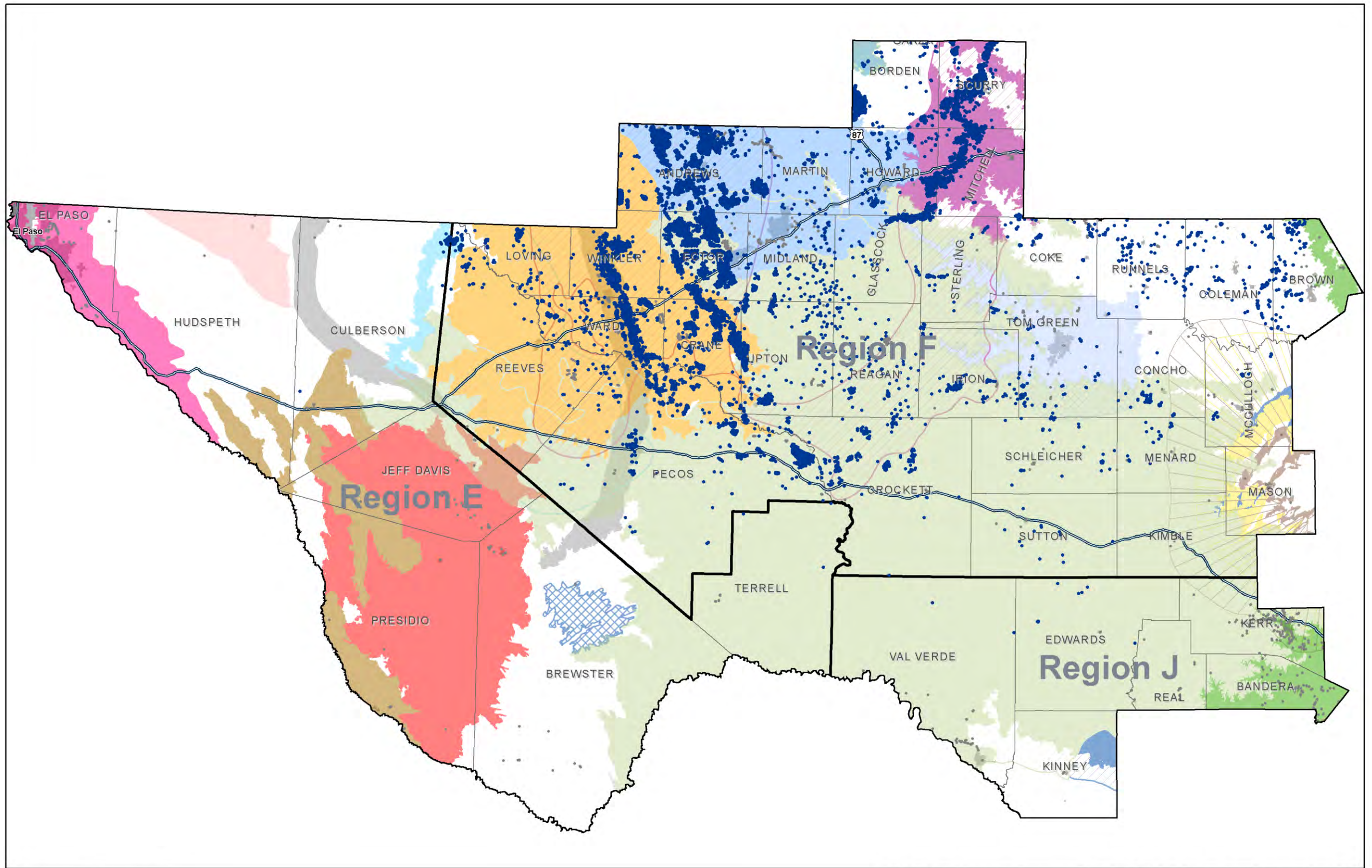
LBG-GUYTON ASSOCIATES

Plate 107



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class II Injection Wells

Regions E, F, and J

Explanation

- Class II Injection Wells
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities

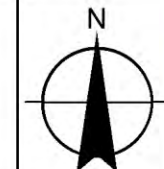
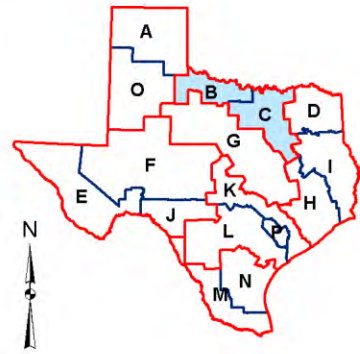
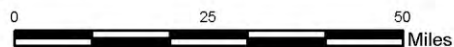
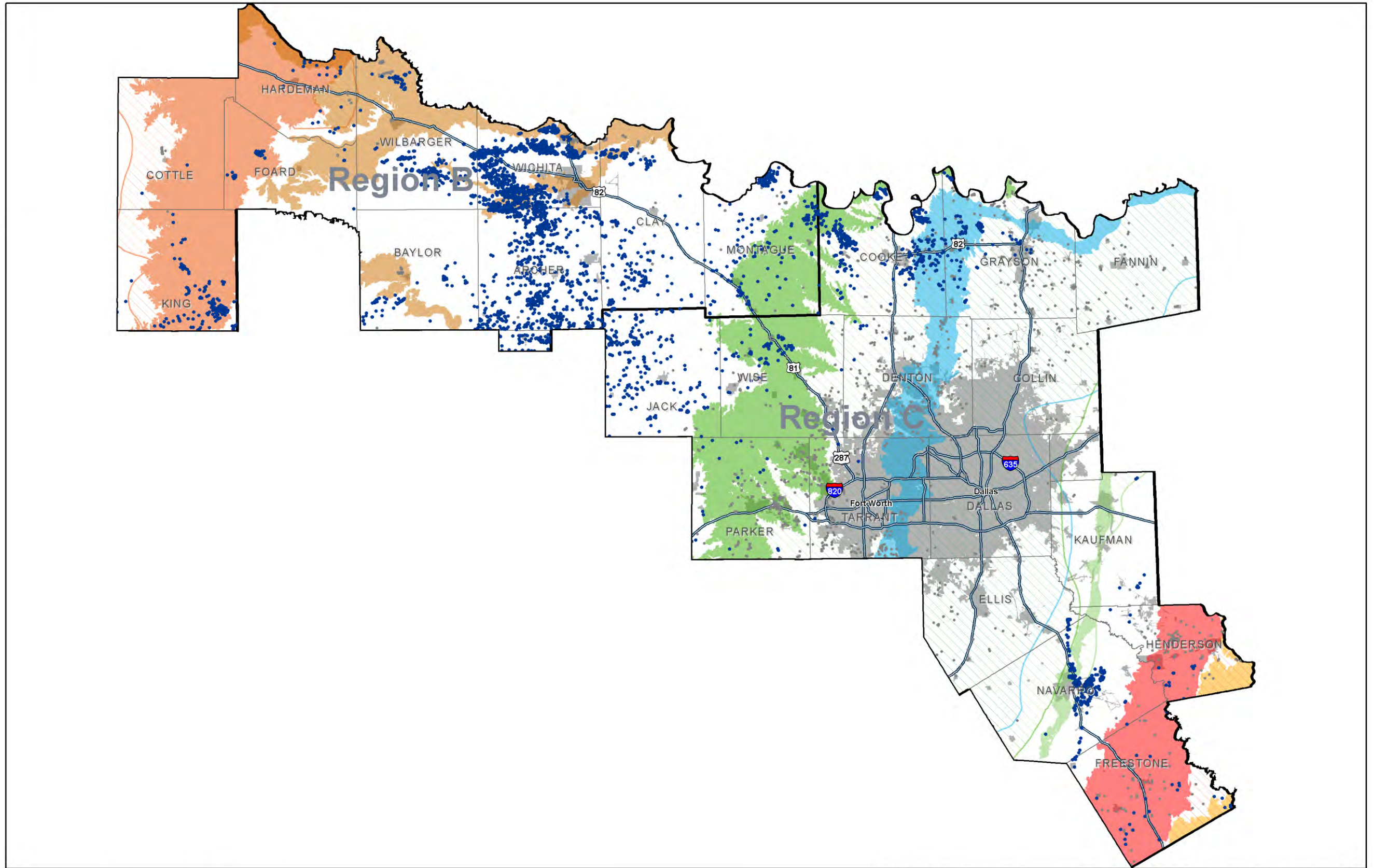


Plate 108



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



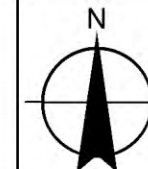
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

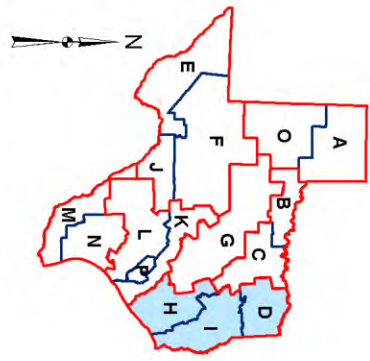
Location of Class II Injection Wells

Regions B and C

Explanation

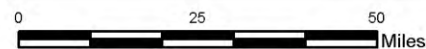
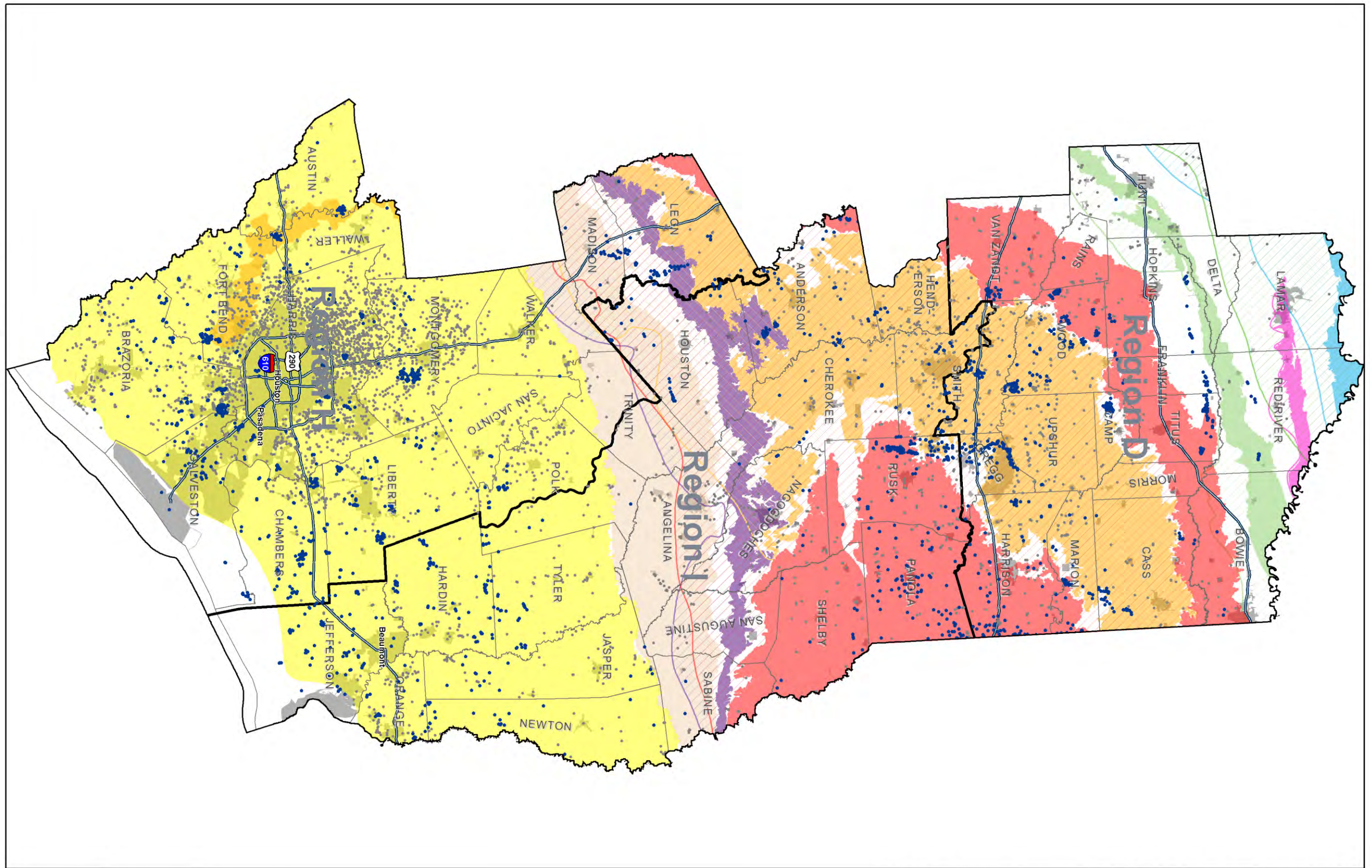
- Class II Injection Wells
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



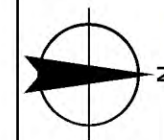
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class II Injection Wells

Regions D, H, and I

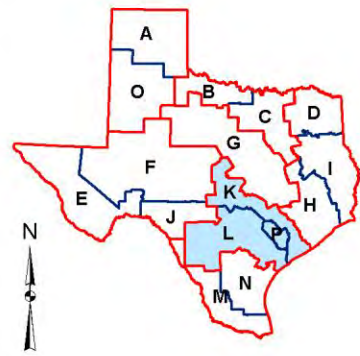
Explanation

- Class II Injection Wells
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



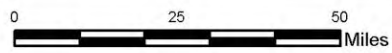
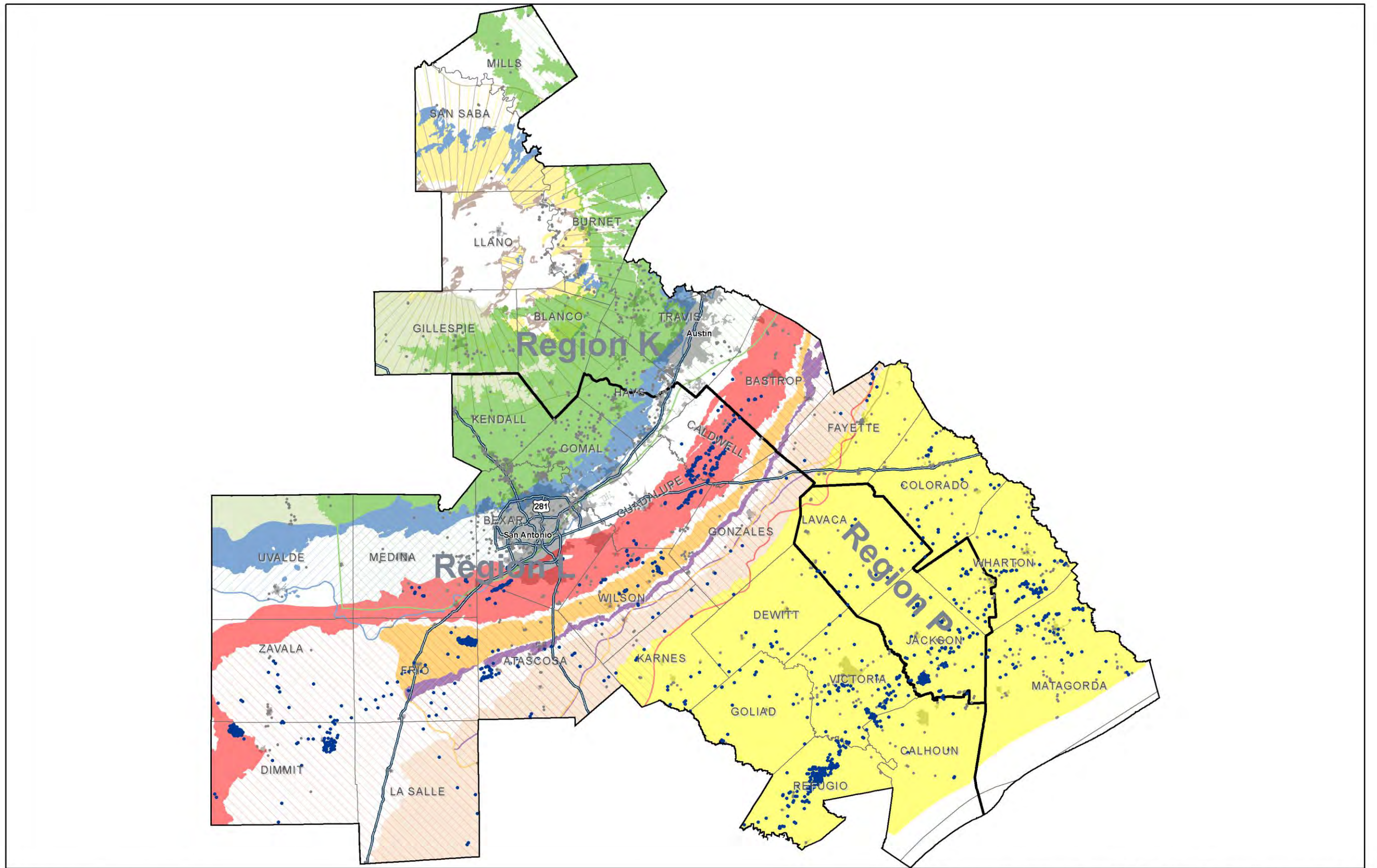
LBG-GUYTON ASSOCIATES

Plate 110



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



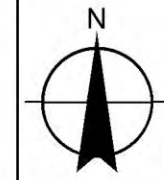
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

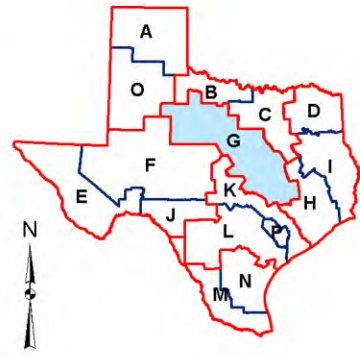
Location of Class II Injection Wells

Regions K, L, and P

Explanation

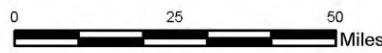
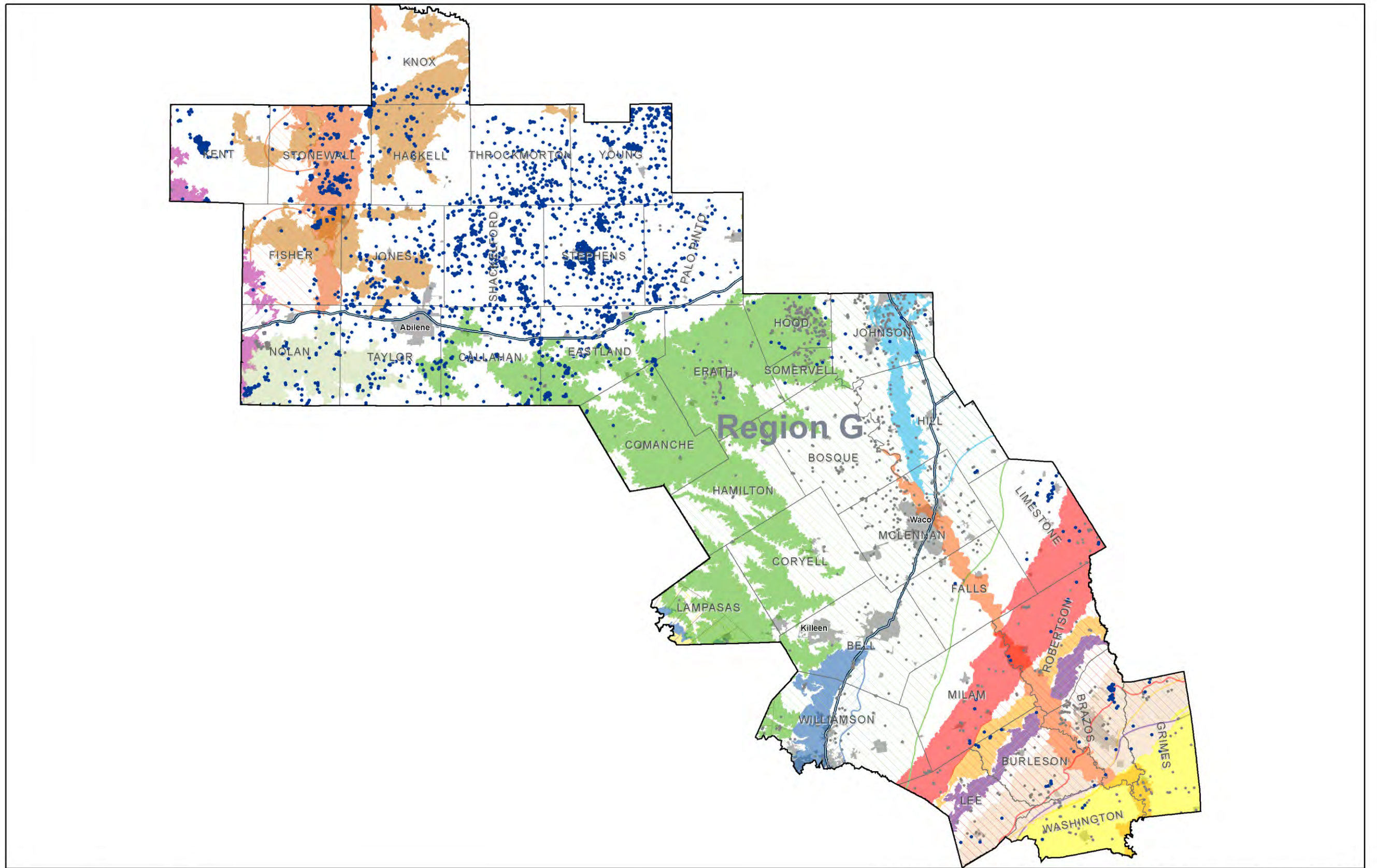
- Class II Injection Wells
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class II Injection Wells

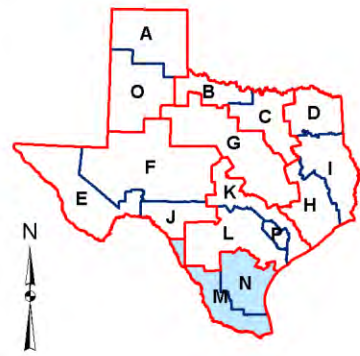
Regions G

Explanation

- Class II Injection Wells
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

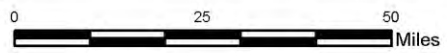
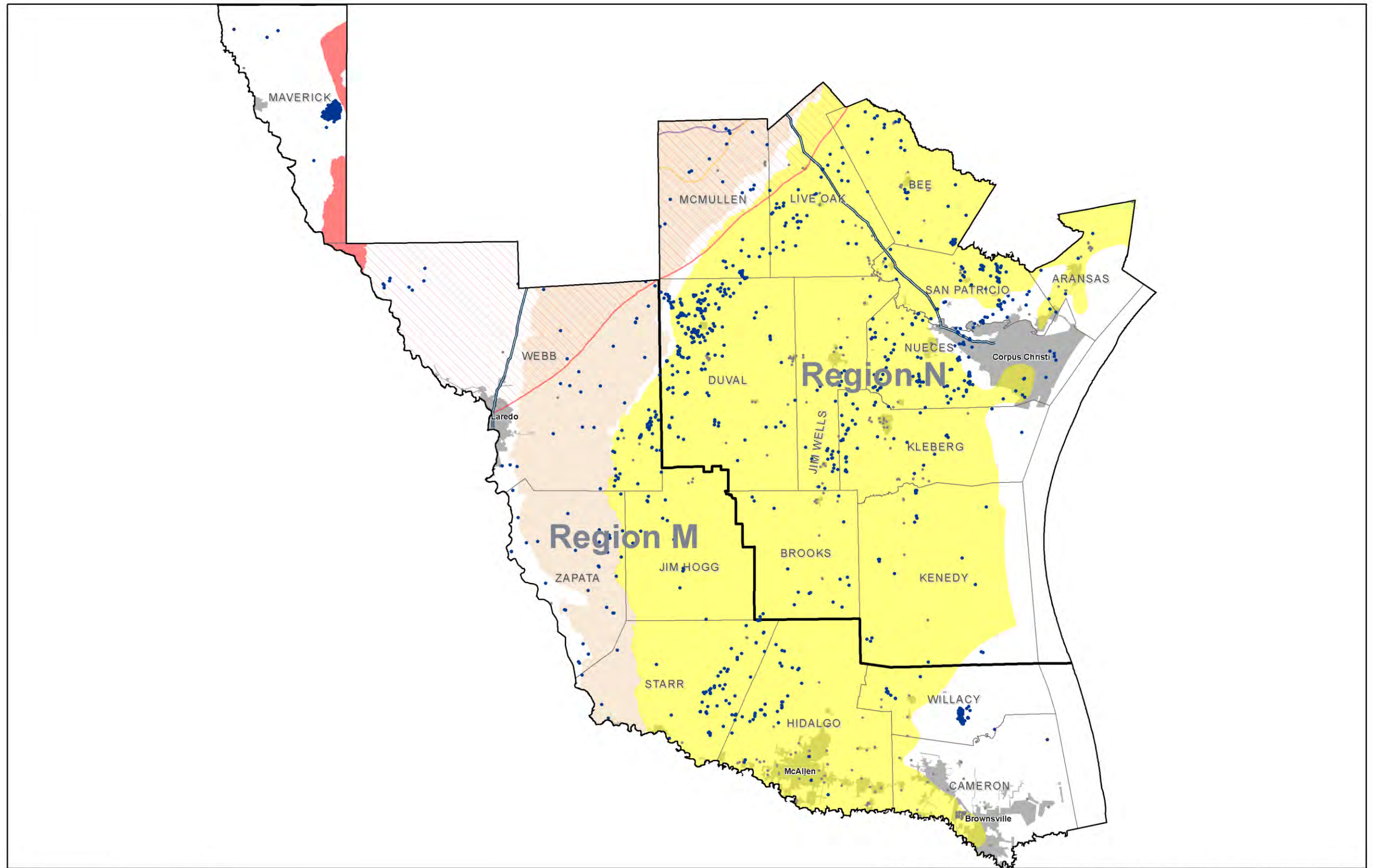


Plate 112



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

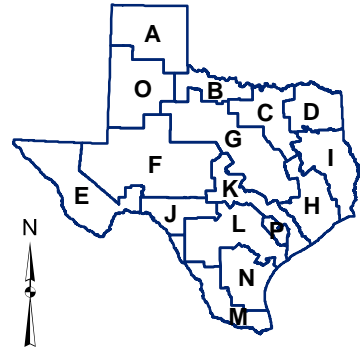
Location of Class II Injection Wells

Regions M and N

Explanation

- Class II Injection Wells
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





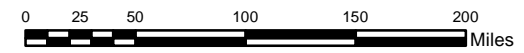
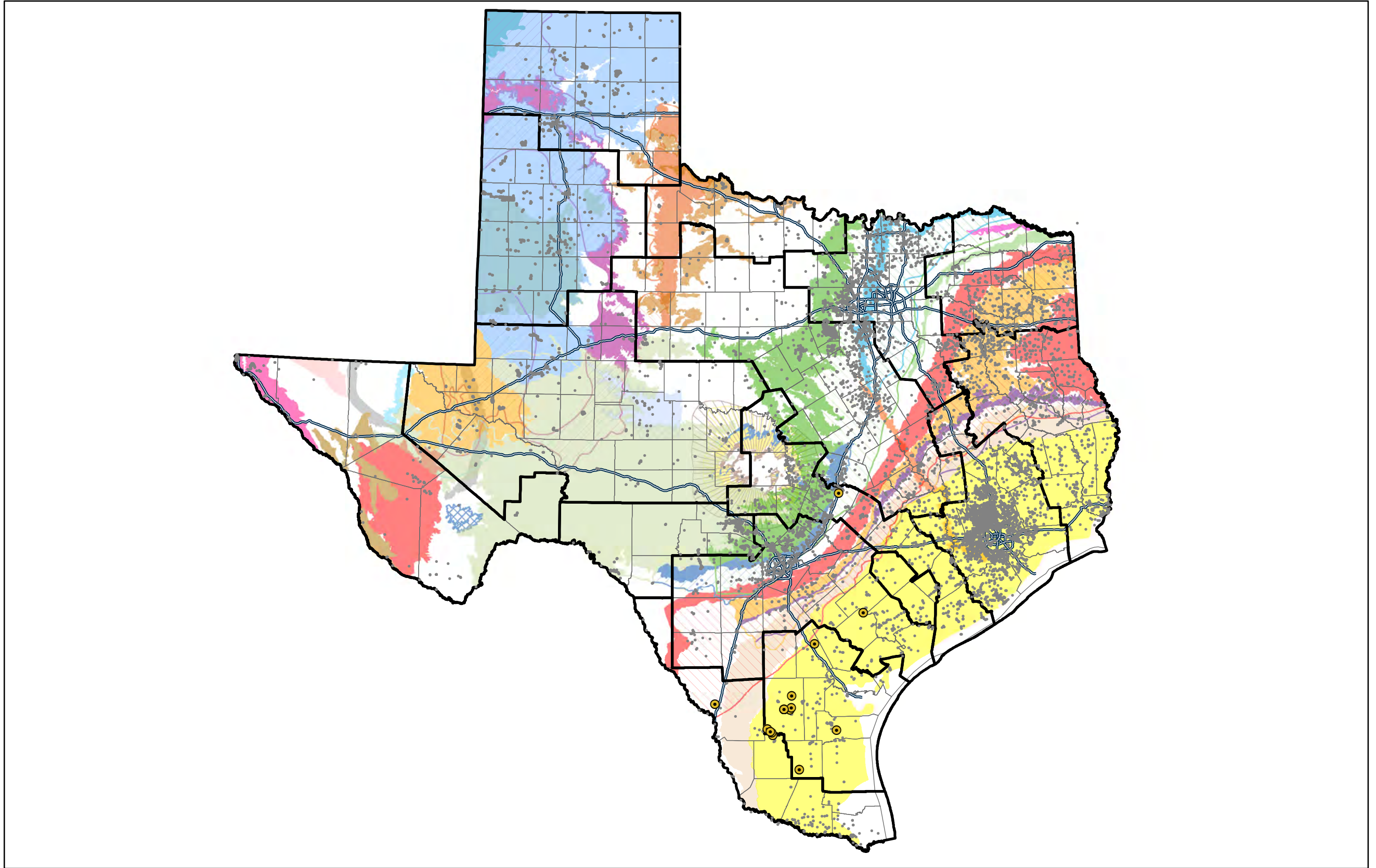
Aquifers of Texas

Major Aquifers

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)

Minor Aquifers

- Brazos River Alluvium
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (confined)
- Yegua Jackson
- Igneous
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Nacatoch (outcrop)
- Nacatoch (confined)
- Blossom (outcrop)
- Blossom (confined)
- Woodbine (outcrop)
- Woodbine (confined)
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (confined)
- Rustler (outcrop)
- Rustler (confined)
- Capitan Reef Complex
- Blaine (outcrop)
- Blaine (confined)
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)



(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class III Injection Wells

Explanation

- UIC Class III Injection Wells
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway

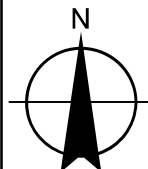
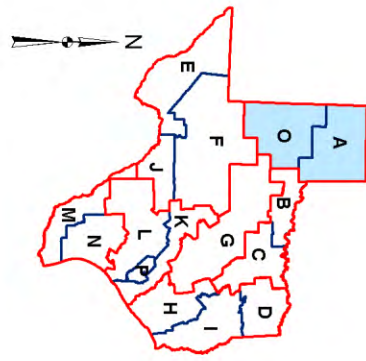
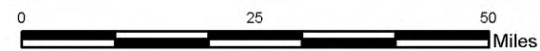
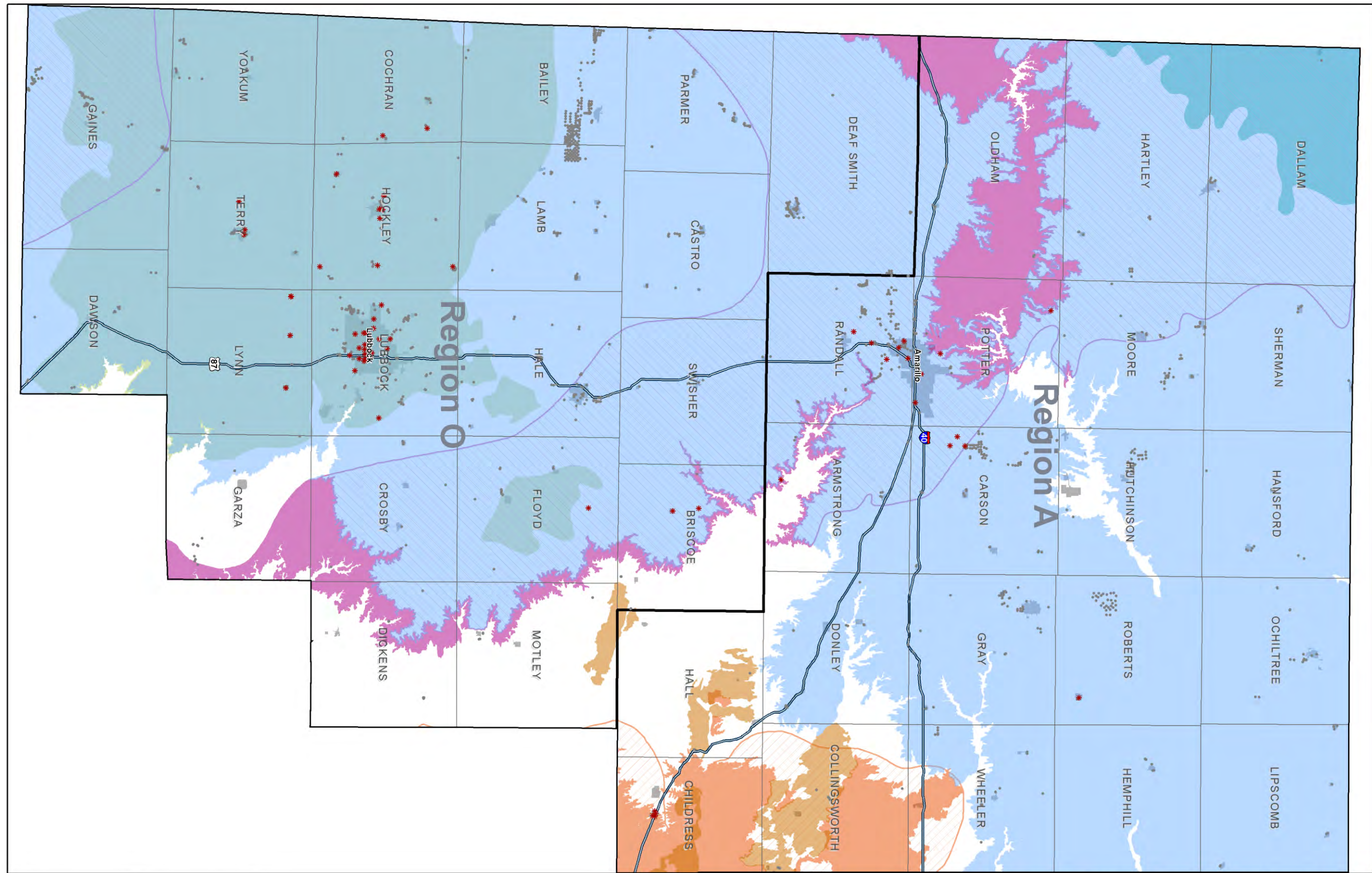


Plate 114



Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



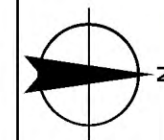
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class V Injection Wells

Regions A and O

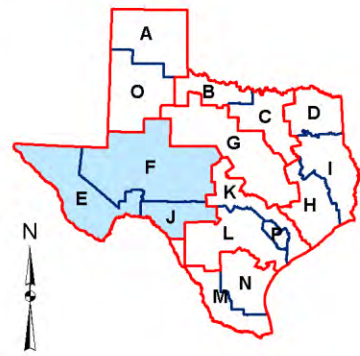
Explanation

- UIC Class V Injection Well
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



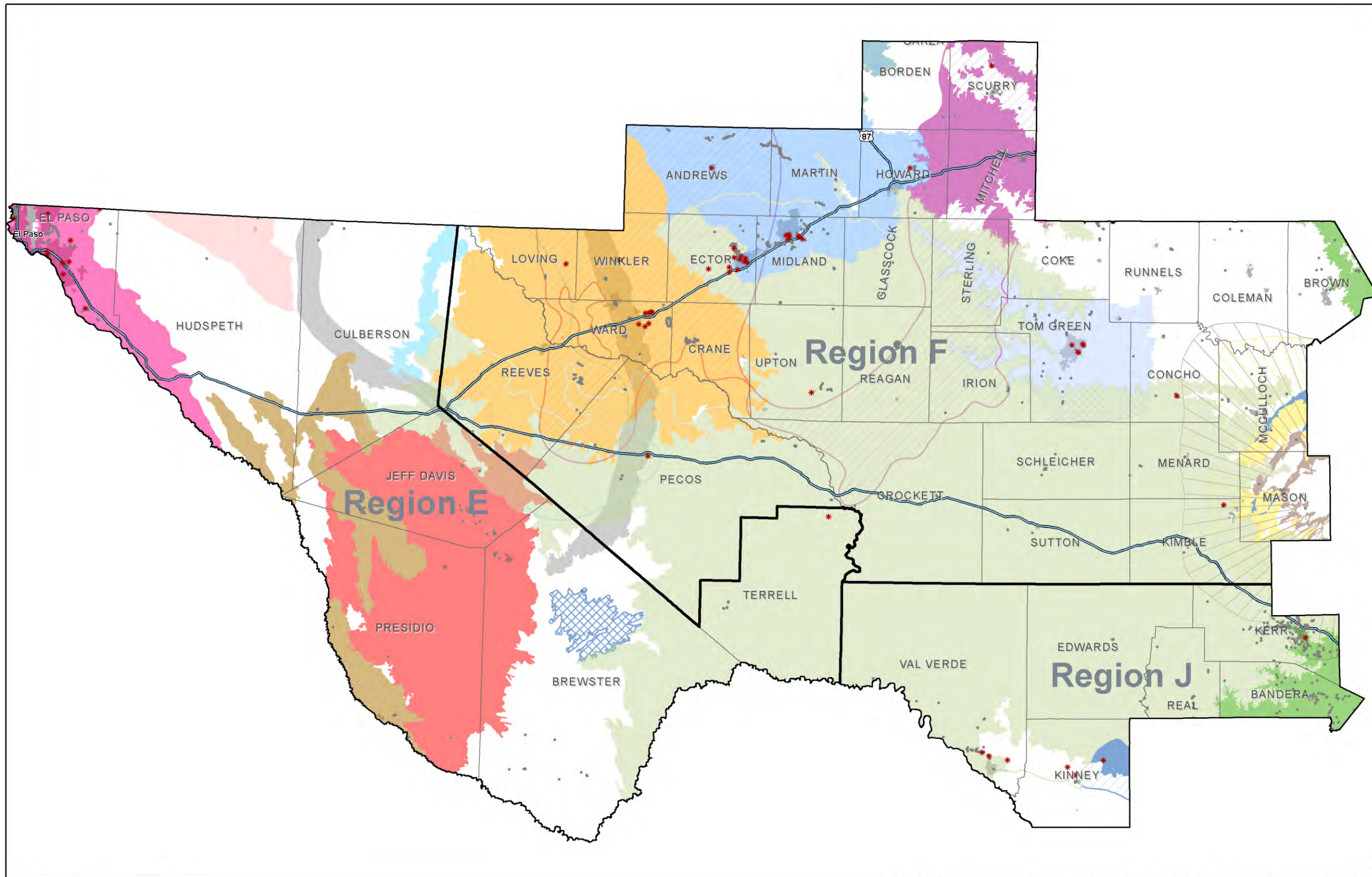
LBG-GUYTON ASSOCIATES

Plate 115



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



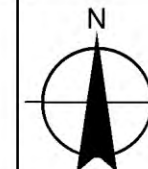
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class V Injection Wells

Regions E, F, and J

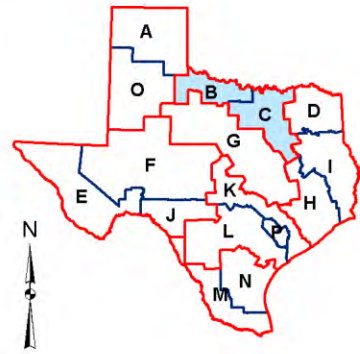
Explanation

- * UIC Class V Injection Well
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



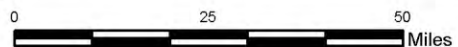
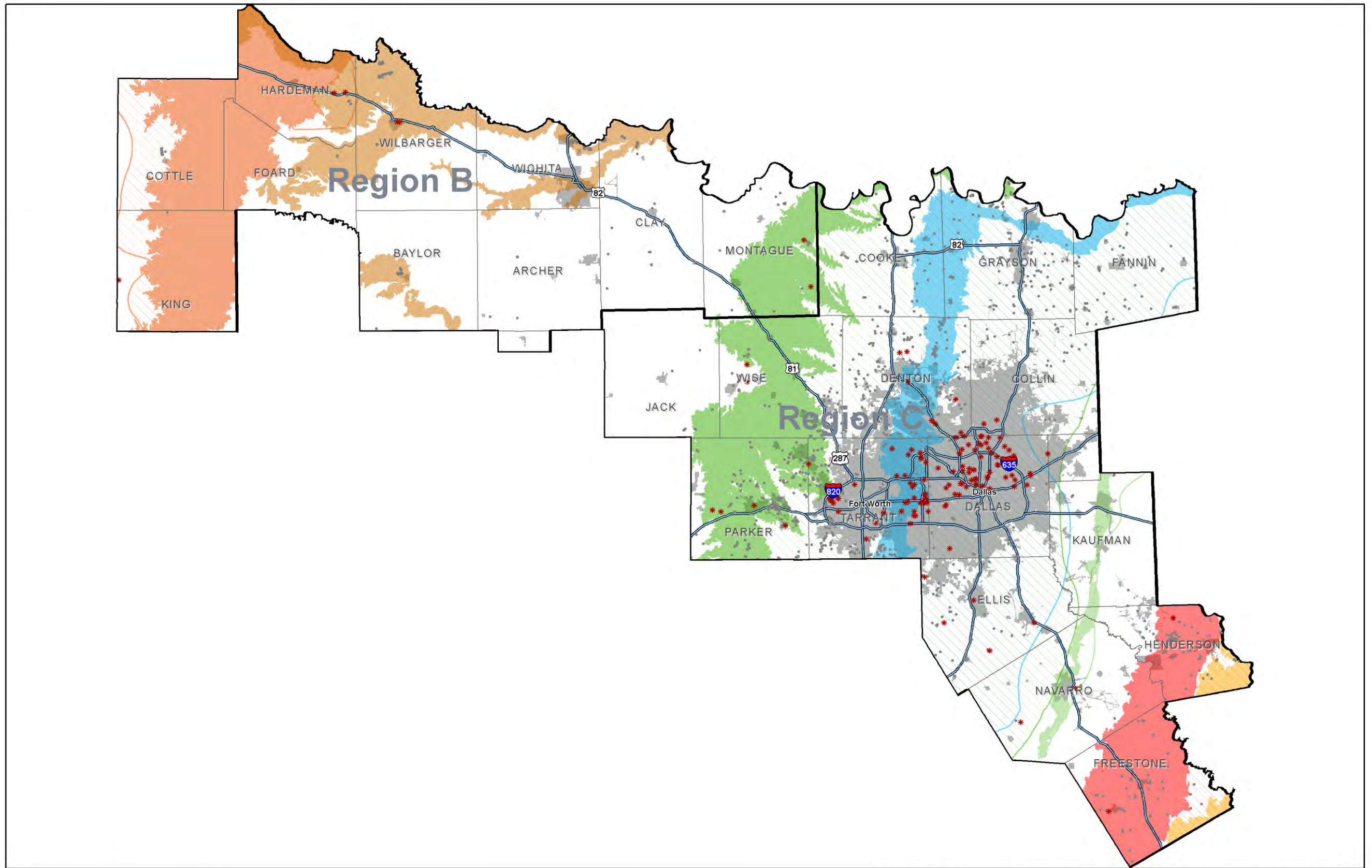
LBG-GUYTON ASSOCIATES

Plate 116



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class V Injection Wells

Regions B and C

Explanation

- UIC Class V Injection Well
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities

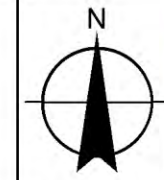
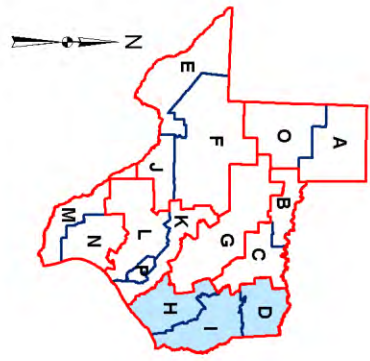
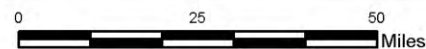
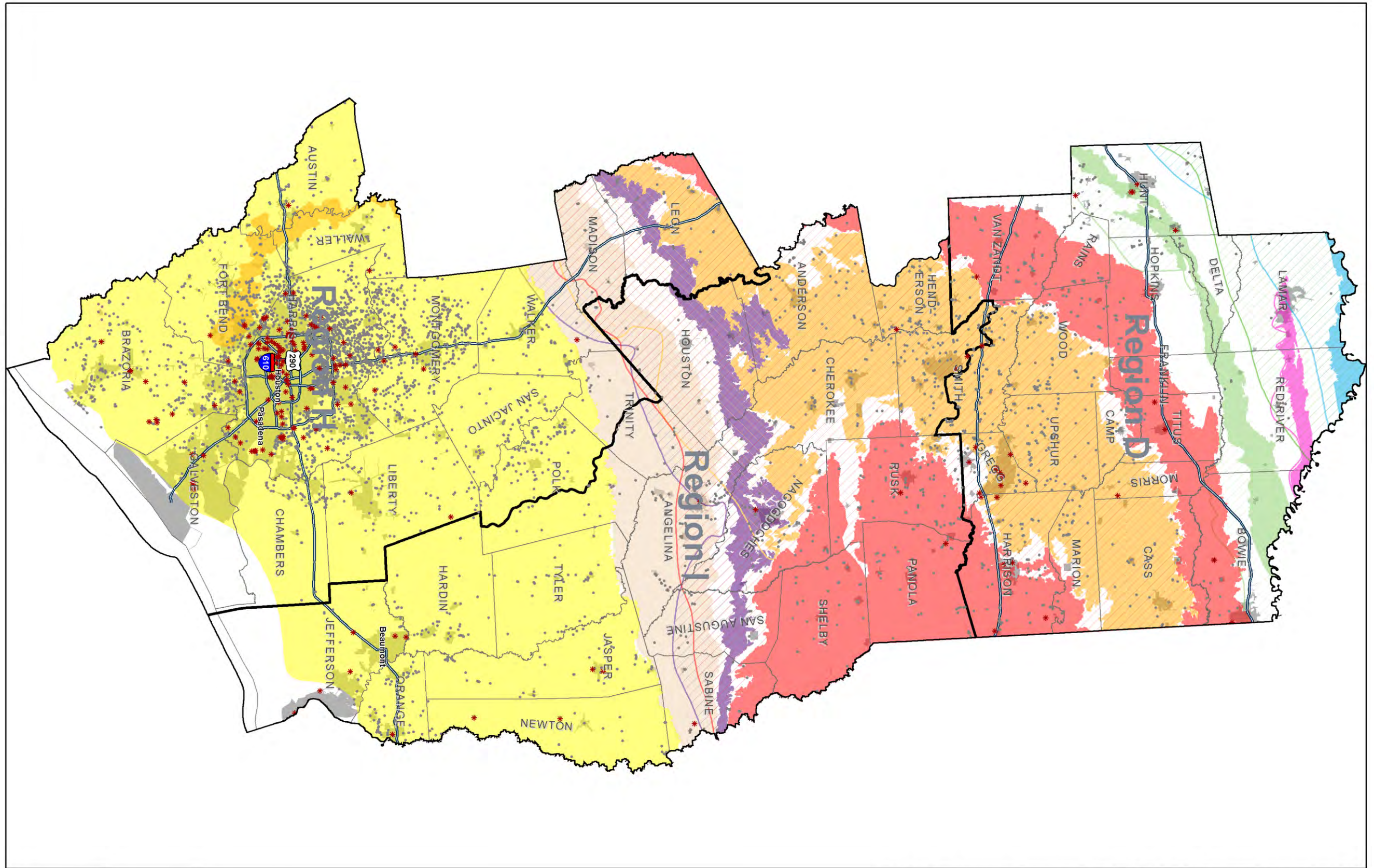


Plate 117



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



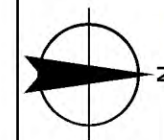
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class V Injection Wells

Regions D, H, and I

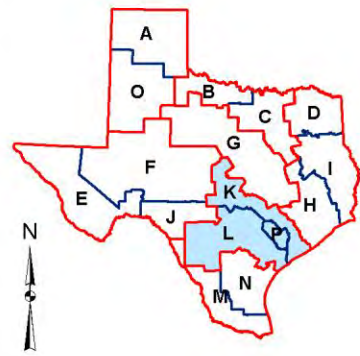
Explanation

- UIC Class V Injection Well
- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



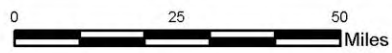
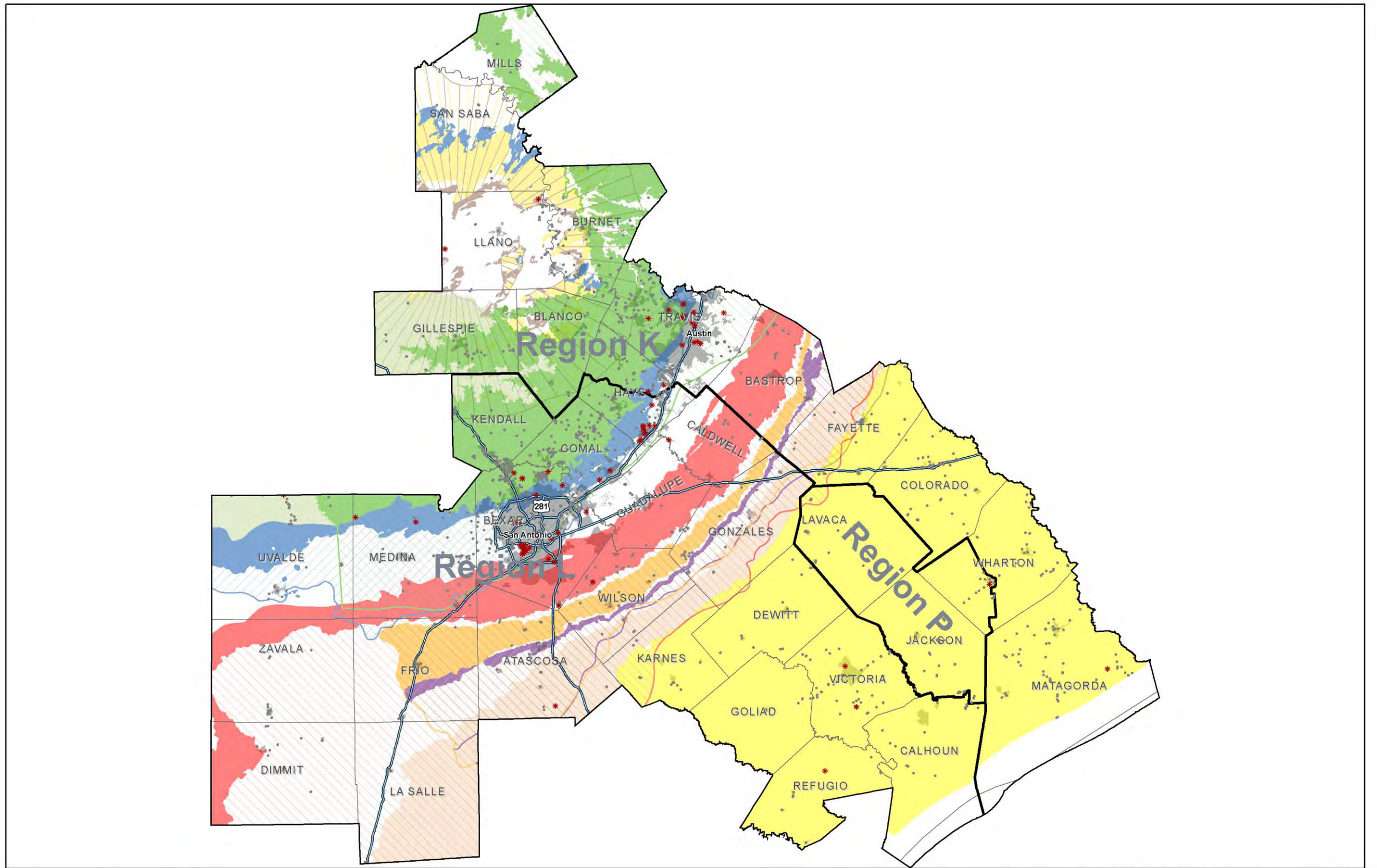
LBG-GUYTON ASSOCIATES

Plate 118



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

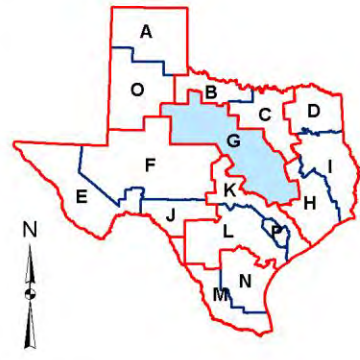
Location of Class V Injection Wells

Regions K, L, and P

Explanation

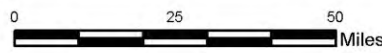
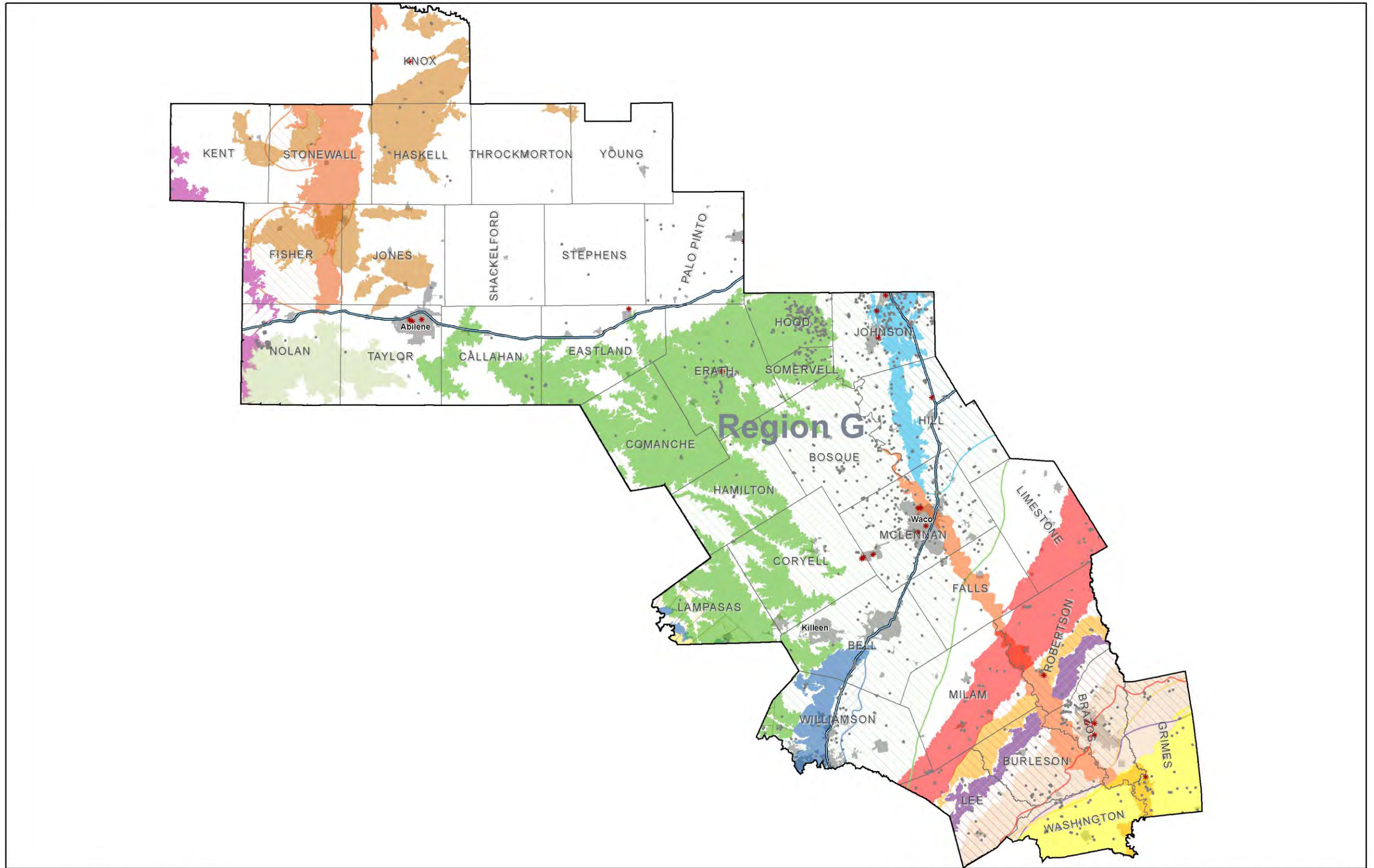
- UIC Class V Injection Well
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class V Injection Wells

Regions G

Explanation

- * UIC Class V Injection Well
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities

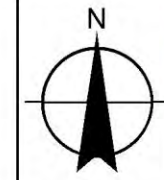
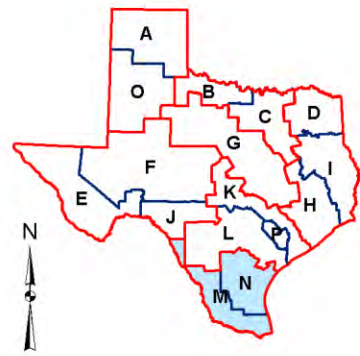
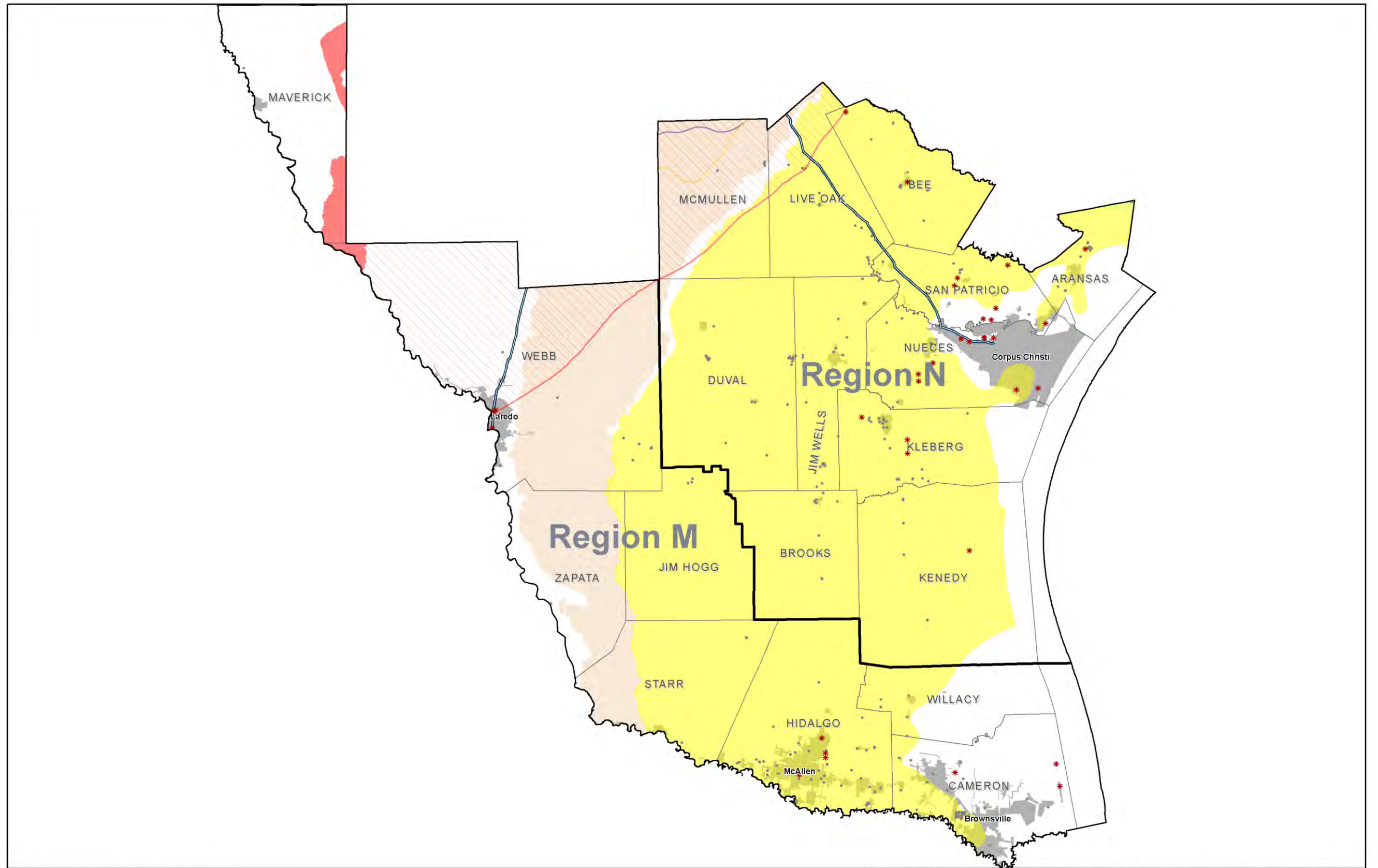


Plate 120



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



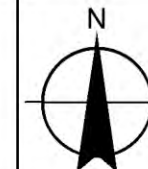
(Data from Texas Commission on Environmental Quality, 2010, EPA, 2010, and Texas Water Development Board, 2010)

Location of Class V Injection Wells

Regions M and N

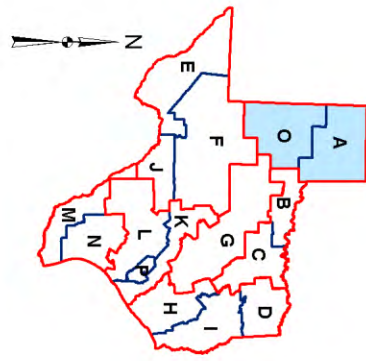
Explanation

- * UIC Class V Injection Well
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities



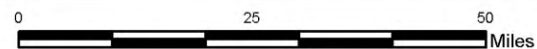
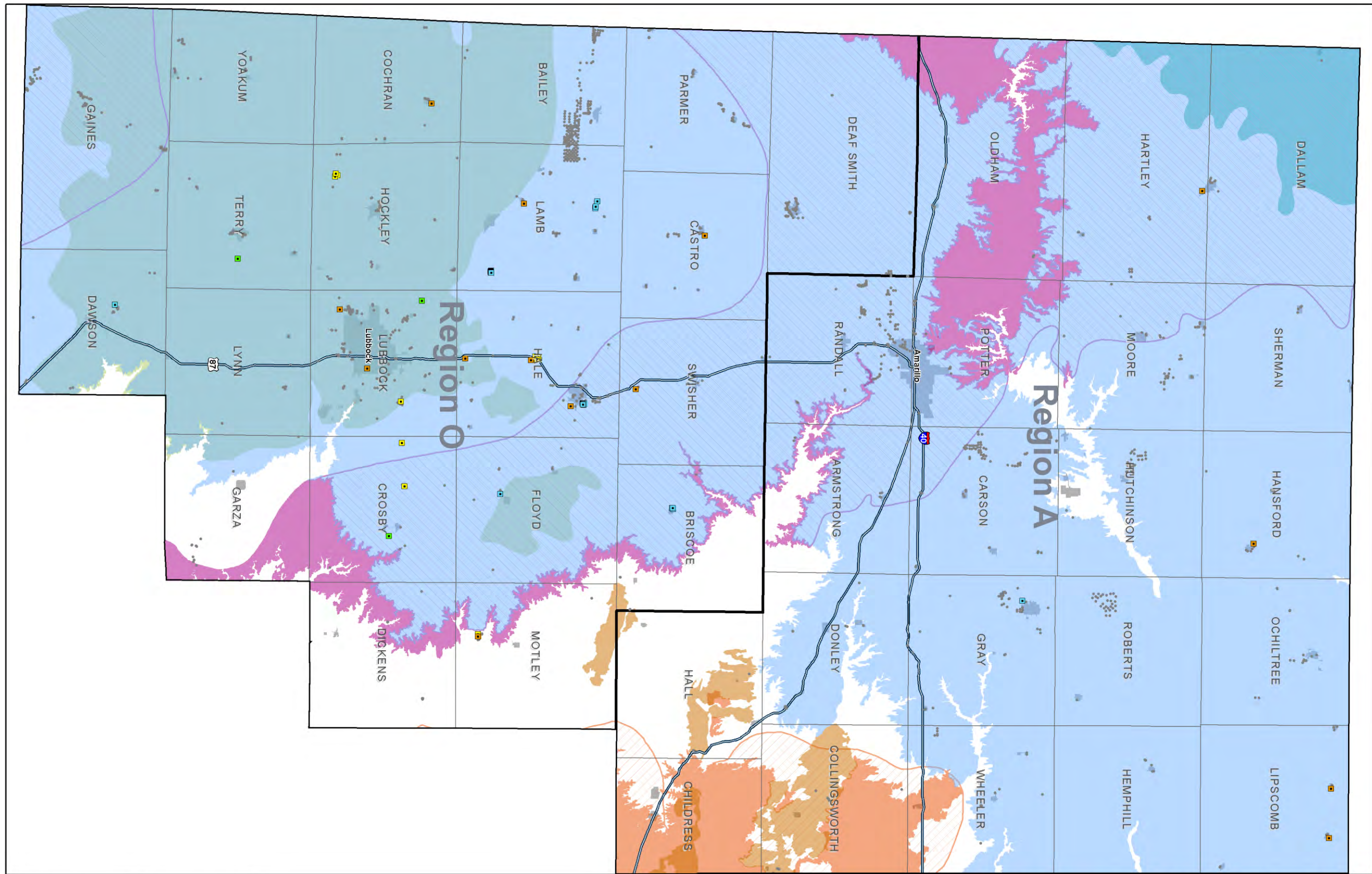
LBG-GUYTON ASSOCIATES

Plate 121



Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



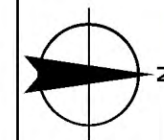
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Wastewater Facilities

Regions A and O

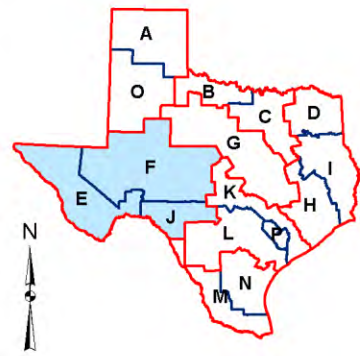
Explanation

- | | | | | | |
|---|---|---|---|--|--|
| Liftstation | Land Application Sludge | Cesspool | Treatment Plant | Public Water Supply Wells | Major Highway |
| | | | | Counties | Regional Water Planning Groups |
| | | | | Cities | |



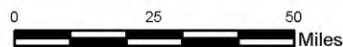
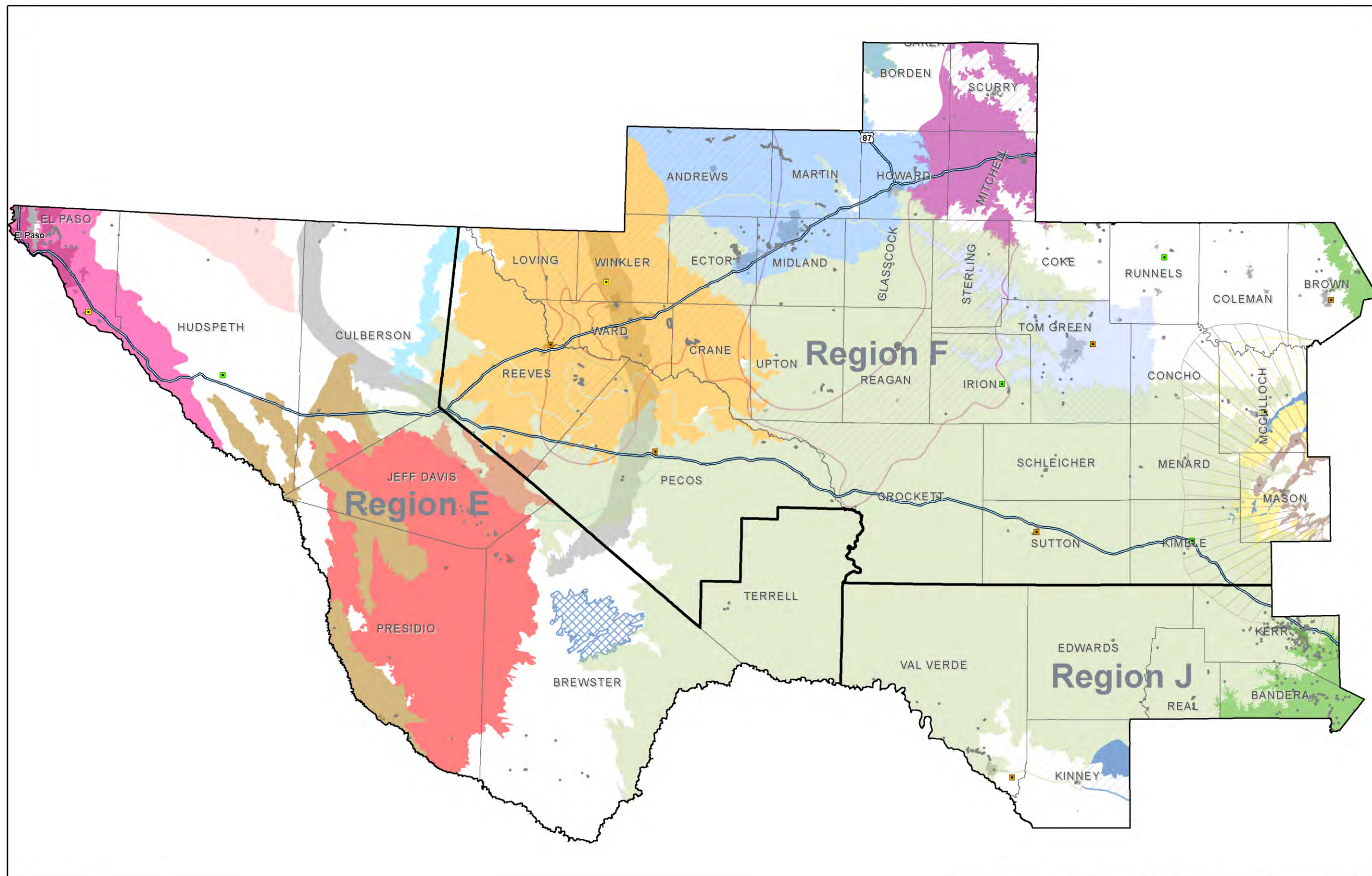
LBG-GUYTON ASSOCIATES

Plate 122



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Wastewater Facilities

Regions E, F, and J

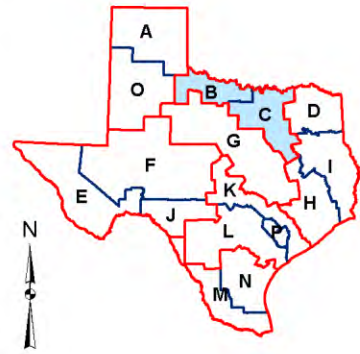
Explanation

- | | |
|--|--|
| Wastewater Site | • Public Water Supply Wells |
| Liftstation | Major Highway |
| Land Application Sludge | Regional Water Planning Groups |
| Cesspool | Counties |
| Treatment Plant | Cities |



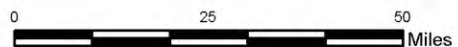
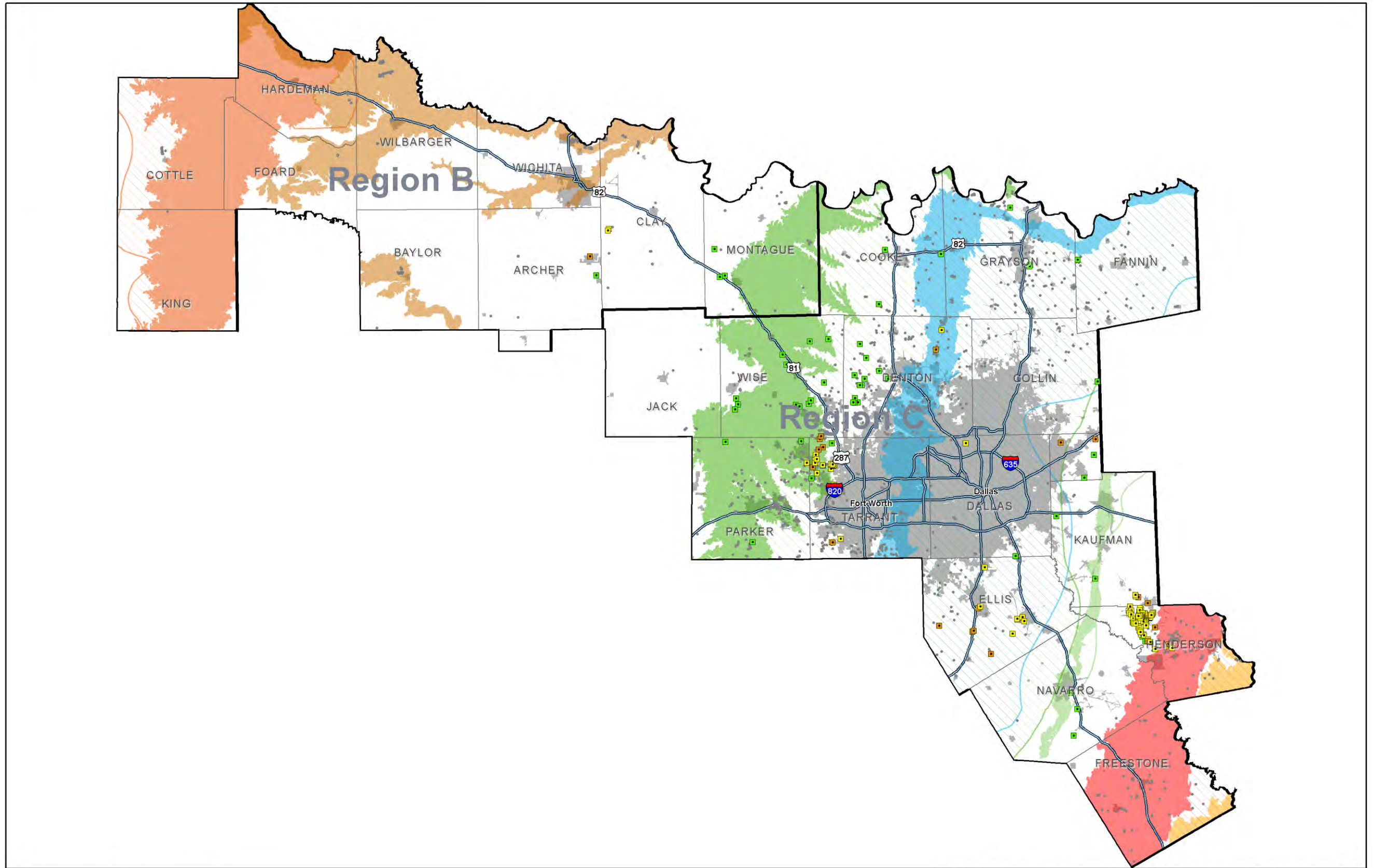
LBG-GUYTON ASSOCIATES

Plate 123



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Wastewater Facilities

Regions B and C

Explanation

- | | |
|--|--|
| Wastewater Site | • Public Water Supply Wells |
| Liftstation | Major Highway |
| Land Application Sludge | Regional Water Planning Groups |
| Cesspool | Counties |
| Treatment Plant | Cities |

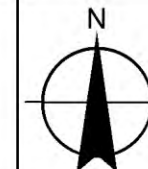
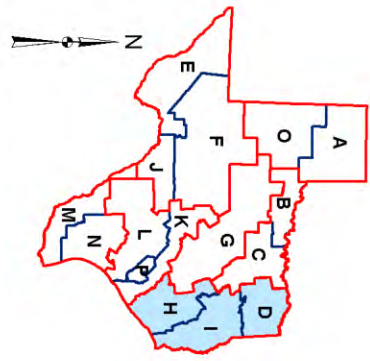
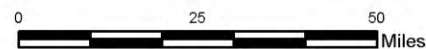
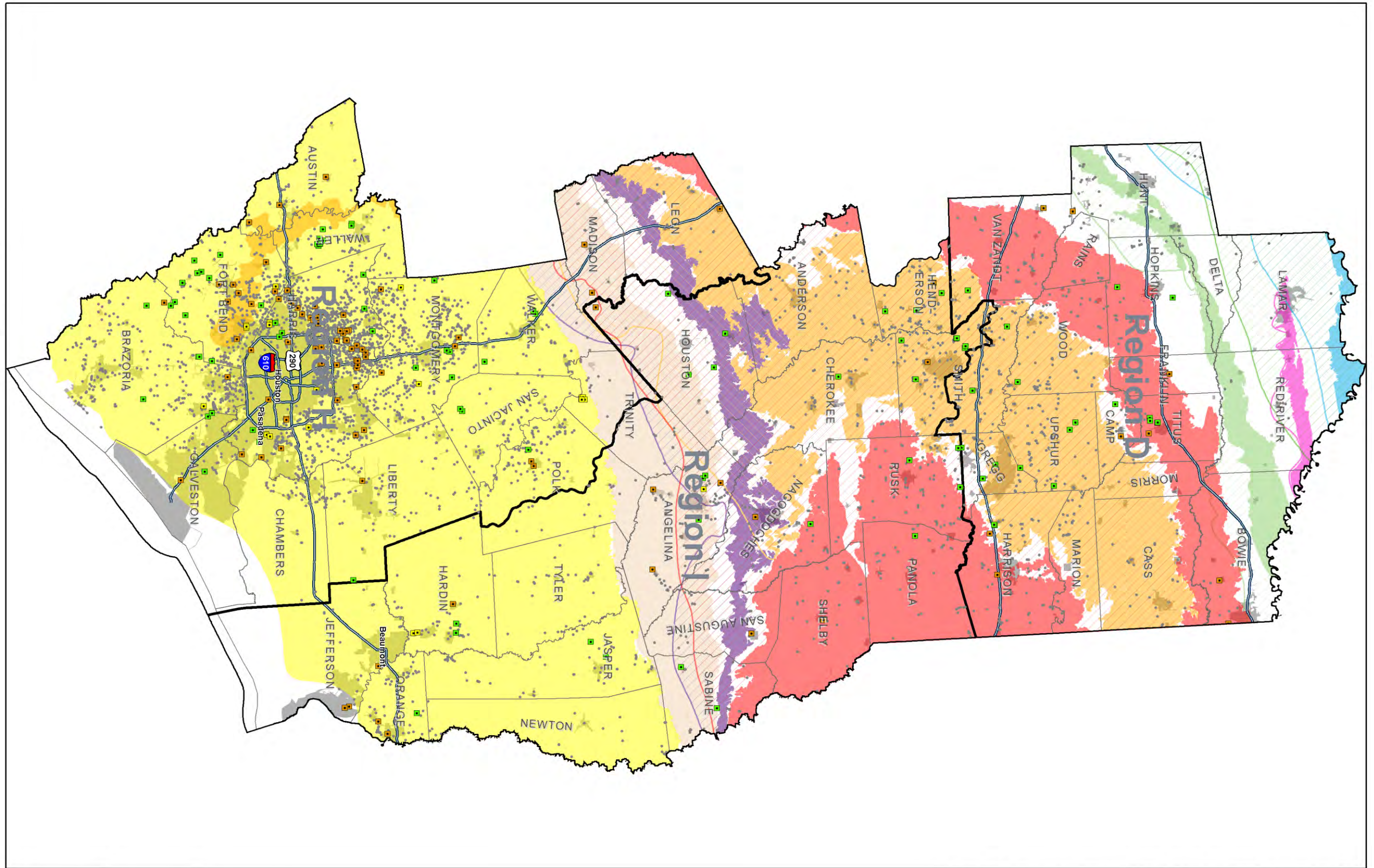


Plate 124



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Wastewater Facilities

Regions D, H, and I

Explanation

- | | |
|---|--|
| Wastewater Site | • Public Water Supply Wells |
| Liftstation | Major Highway |
| Land Application Sludge | Counties |
| Cesspool | Regional Water Planning Groups |
| Treatment Plant | Cities |

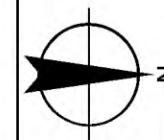
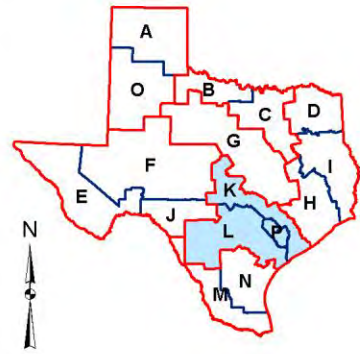
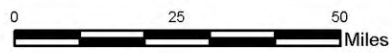
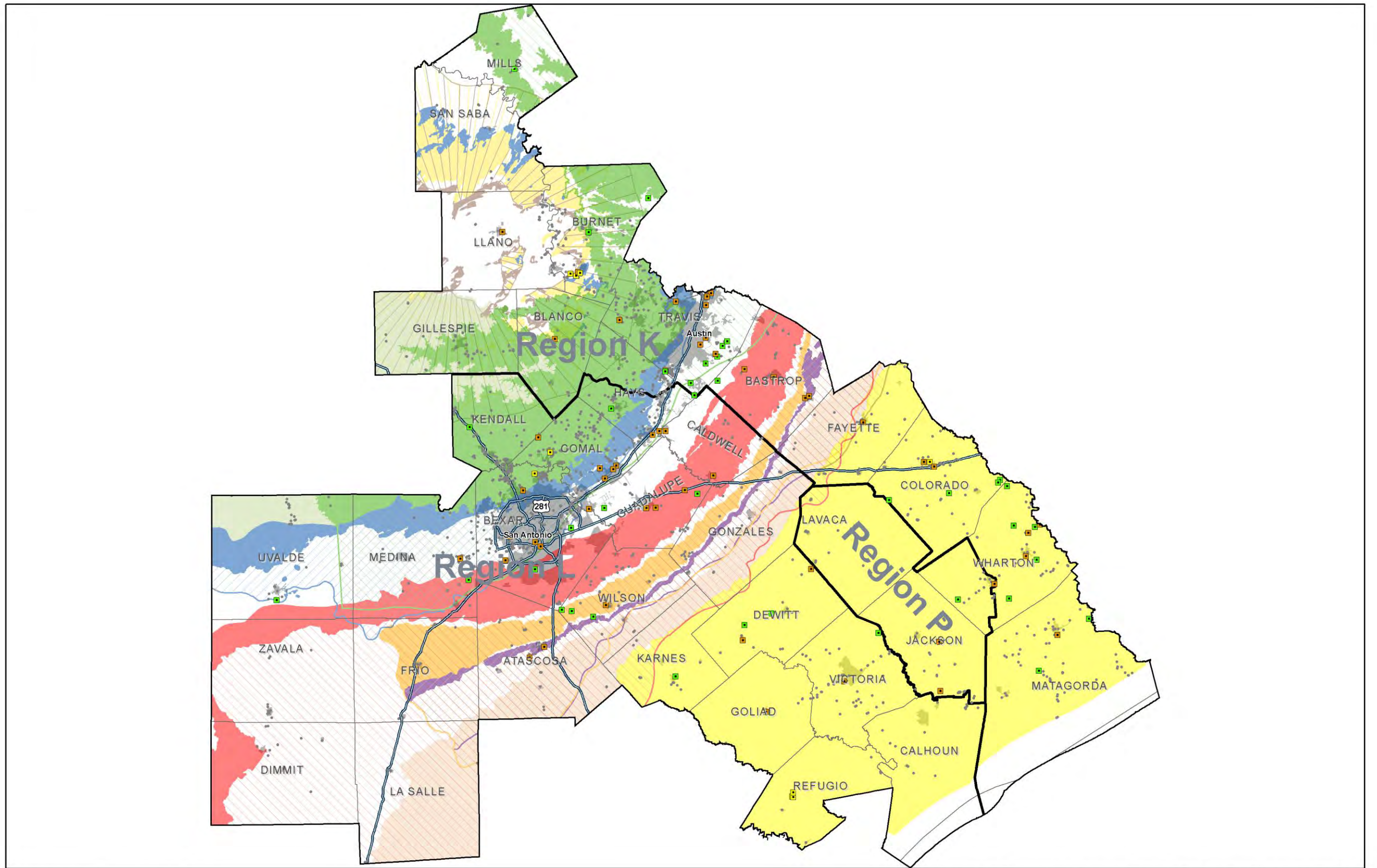


Plate 125



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Wastewater Facilities

Regions K, L, and P

Explanation

- | | |
|--|--|
| Wastewater Site | • Public Water Supply Wells |
| Liftstation | Major Highway |
| Land Application Sludge | Regional Water Planning Groups |
| Cesspool | Counties |
| Treatment Plant | Cities |

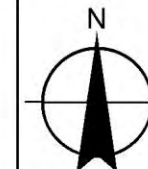
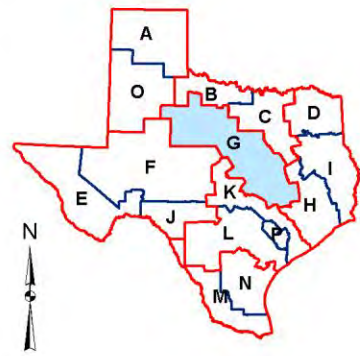
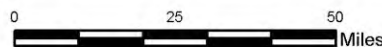
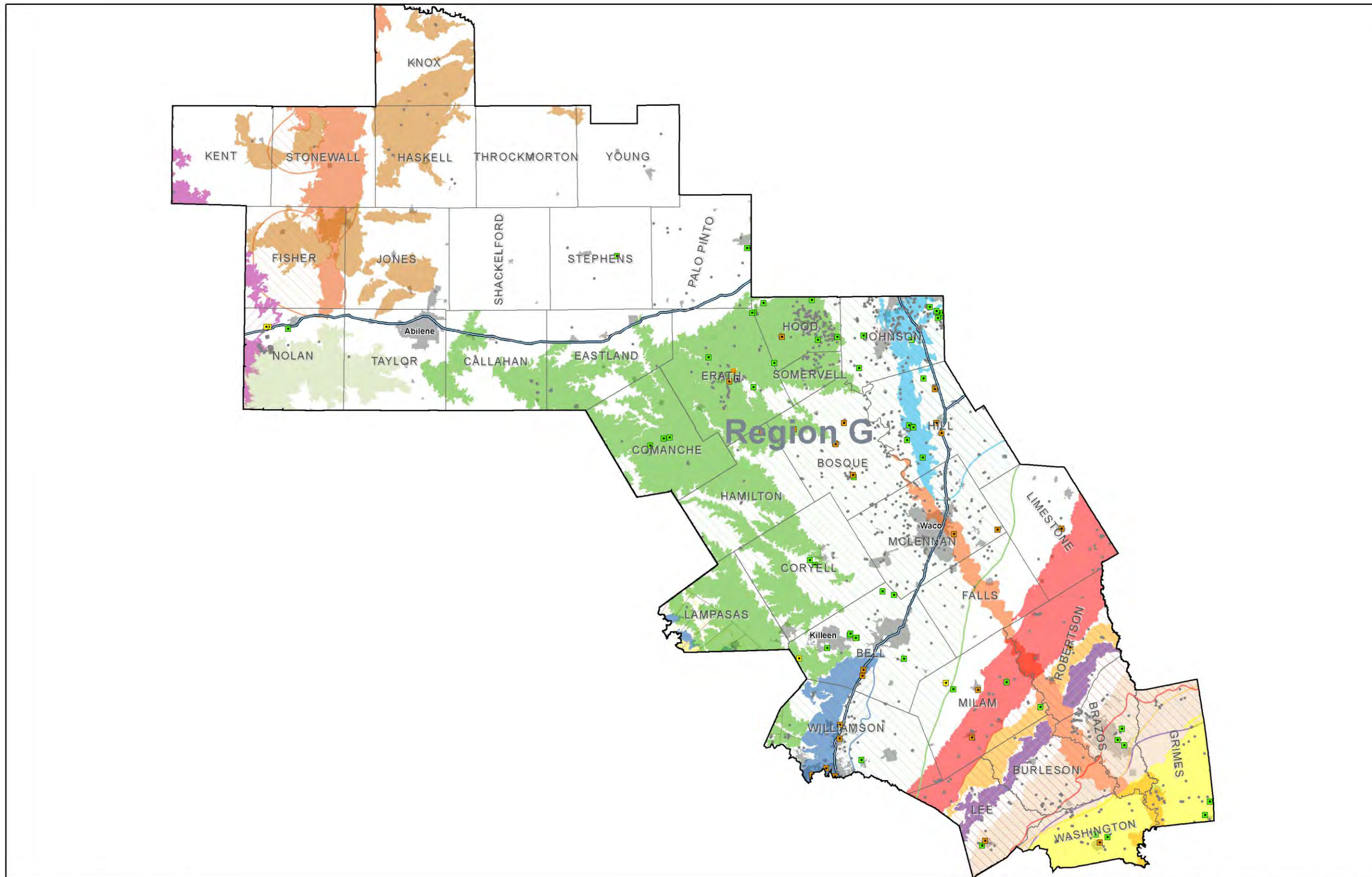


Plate 126



Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Wastewater Facilities

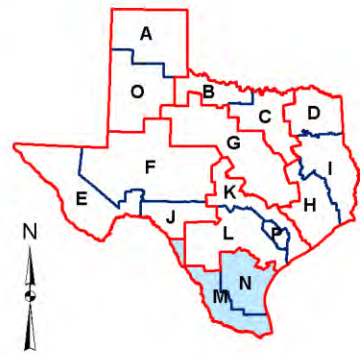
Regions G

Explanation

- | | |
|--|----------------------------------|
| Wastewater Site | • Public Water Supply Wells |
| ■ Liftstation | — Major Highway |
| ■ Land Application Sludge | ▭ Regional Water Planning Groups |
| ■ Cesspool | ▭ Counties |
| ■ Treatment Plant | ▭ Cities |

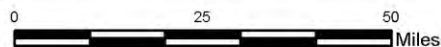
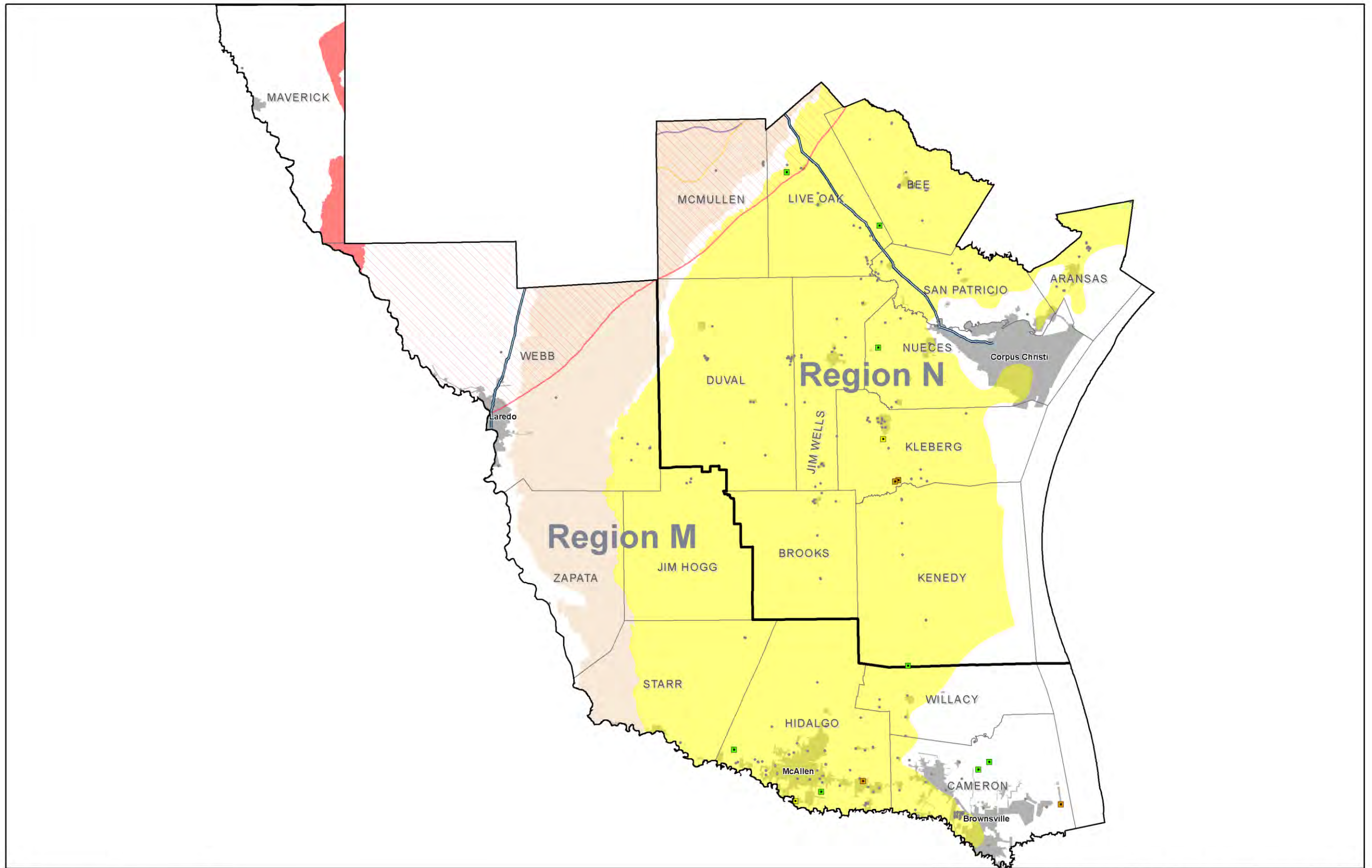


Plate 127



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)



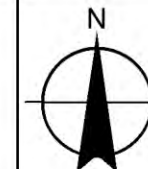
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

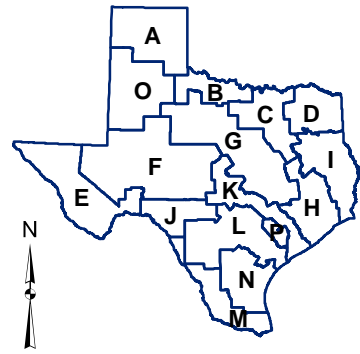
Location of Wastewater Facilities

Regions M and N

Explanation

- | | |
|--|--|
| Wastewater Site | • Public Water Supply Wells |
| Liftstation | Major Highway |
| Land Application Sludge | Regional Water Planning Groups |
| Cesspool | Counties |
| Treatment Plant | Cities |





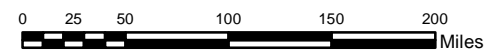
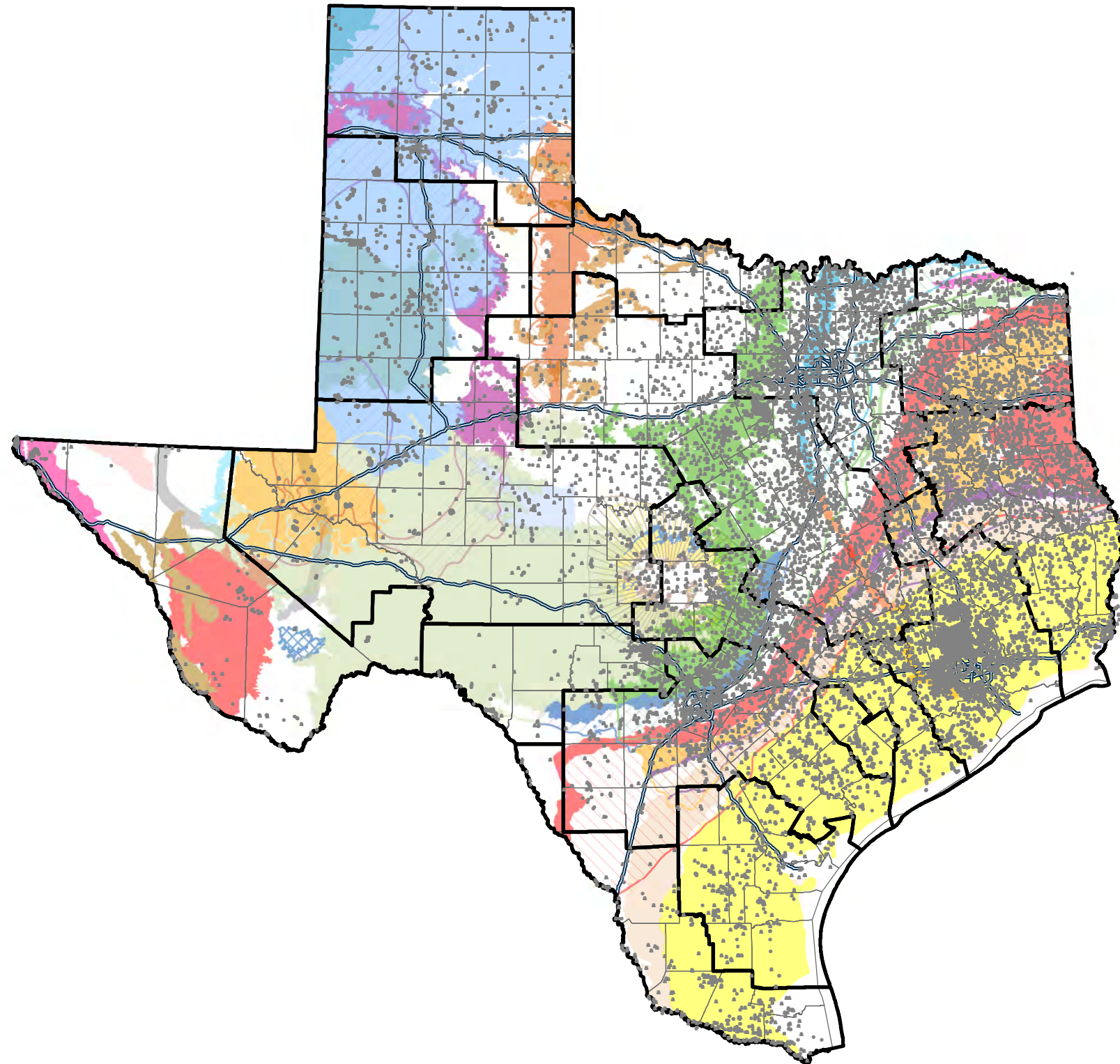
Aquifers of Texas

Major Aquifers

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)

Minor Aquifers

- Brazos River Alluvium
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (confined)
- Yegua Jackson
- Igneous
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Nacatoch (outcrop)
- Nacatoch (confined)
- Blossom (outcrop)
- Blossom (confined)
- Woodbine (outcrop)
- Woodbine (confined)
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (confined)
- Rustler (outcrop)
- Rustler (confined)
- Capitan Reef Complex
- Blaine (outcrop)
- Blaine (confined)
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)

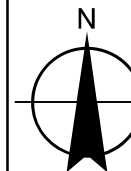


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Cemeteries

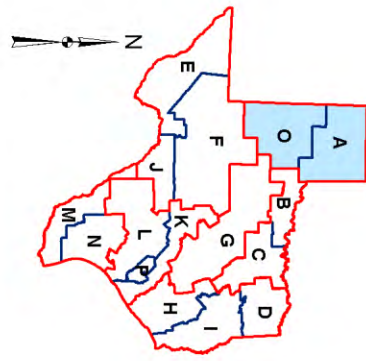
Explanation

- Cemeteries
- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



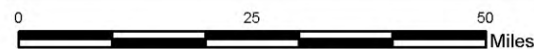
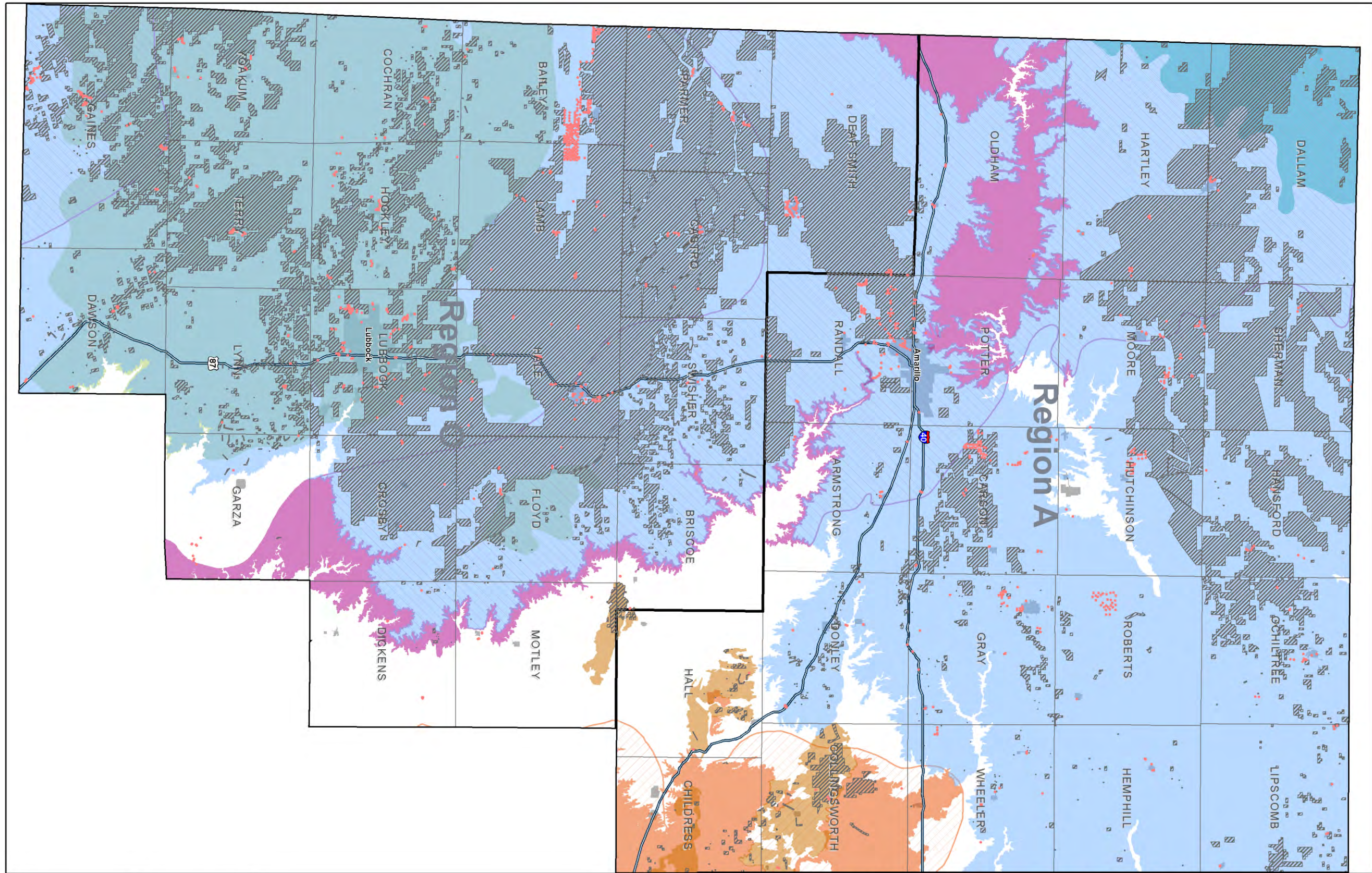
LBG-GUYTON ASSOCIATES

Plate 129



Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)



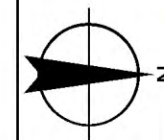
(Data from Texas Commission on Environmental Quality, 1994, 2010, USGS, 2003, and Texas Water Development Board, 2010)

**Irrigated Land Use Above
Unconfined Aquifers**

Regions A and O

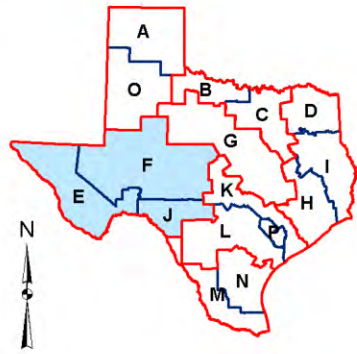
Explanation

- Irrigated Land
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Cities



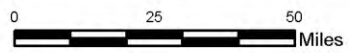
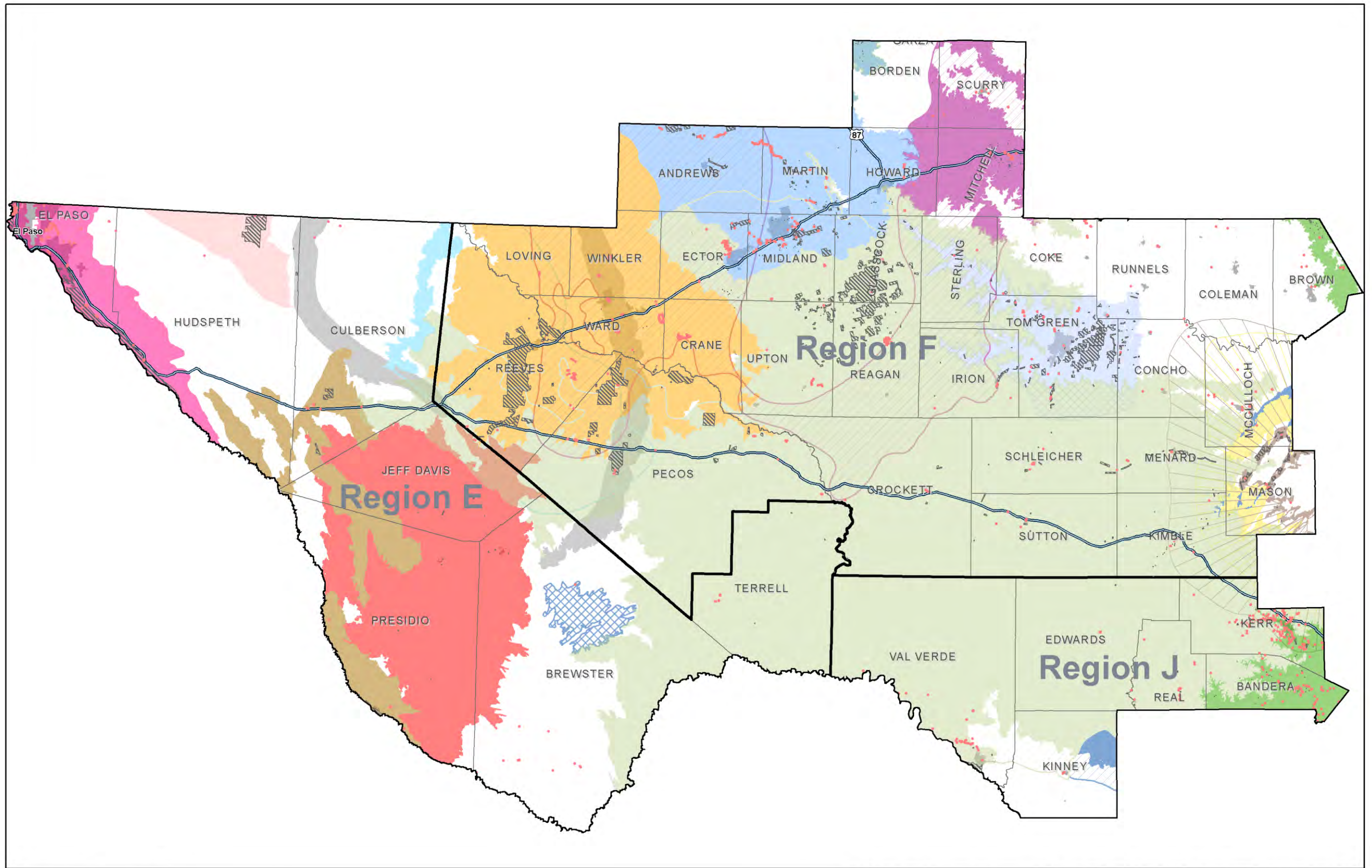
LBG-GUYTON ASSOCIATES

Plate 130



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 1994, 2010, USGS, 2003, and Texas Water Development Board, 2010)

Irrigated Land Use Above Unconfined Aquifers

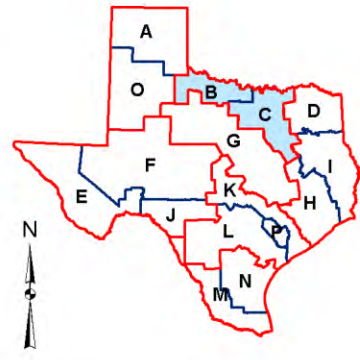
Regions E, F, and J

Explanation

- Irrigated Land
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities

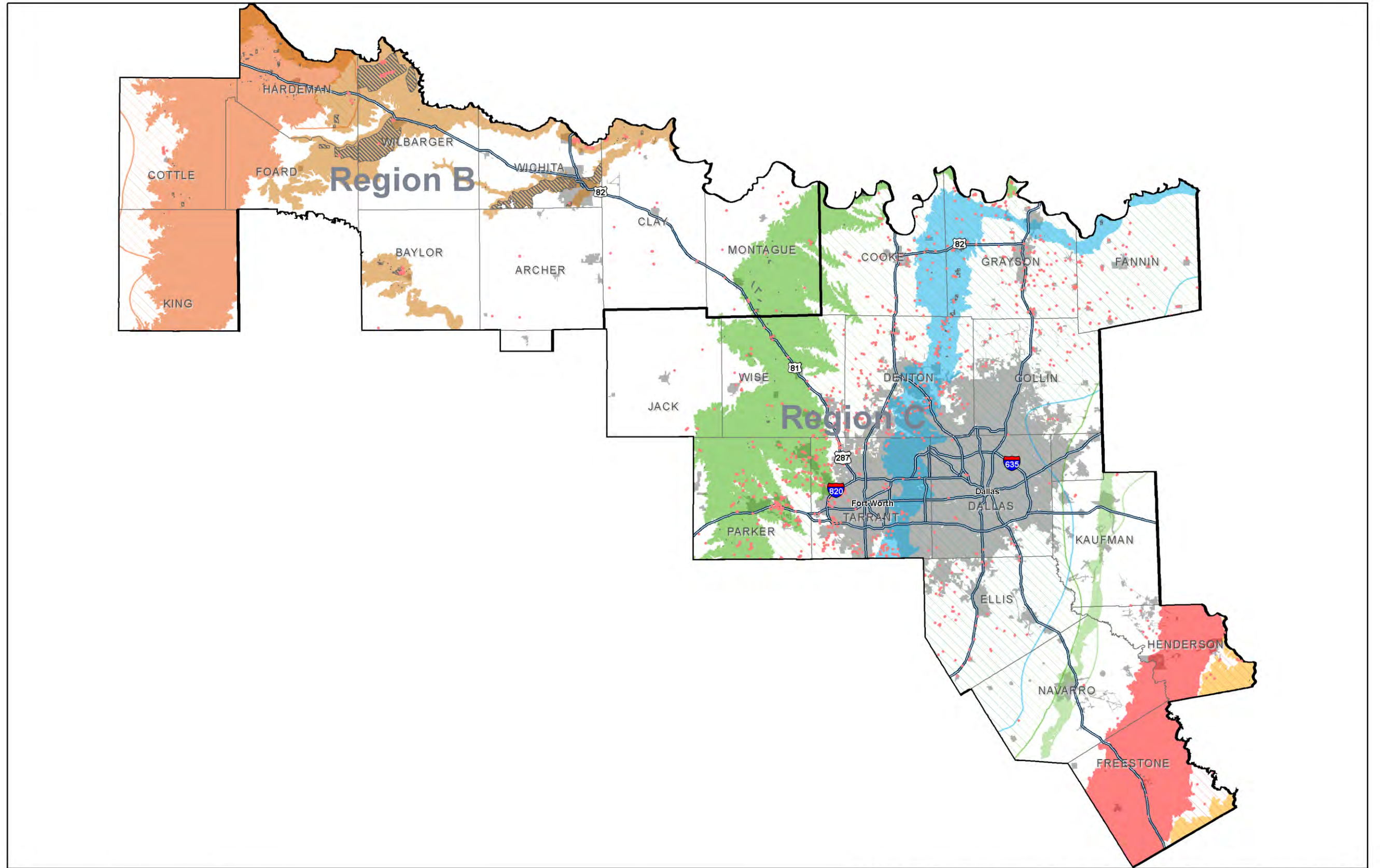


Plate 131



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

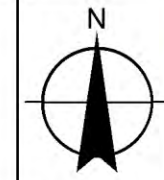


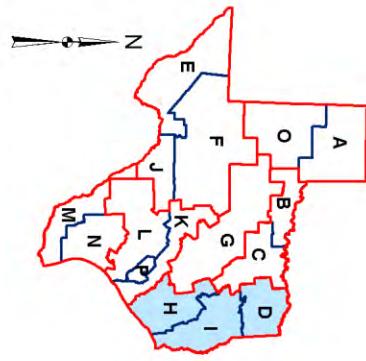
(Data from Texas Commission on Environmental Quality, 1994, 2010, USGS, 2003, and Texas Water Development Board, 2010)

**Irrigated Land Use Above
Unconfined Aquifers**
Regions B and C

Explanation

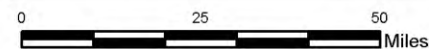
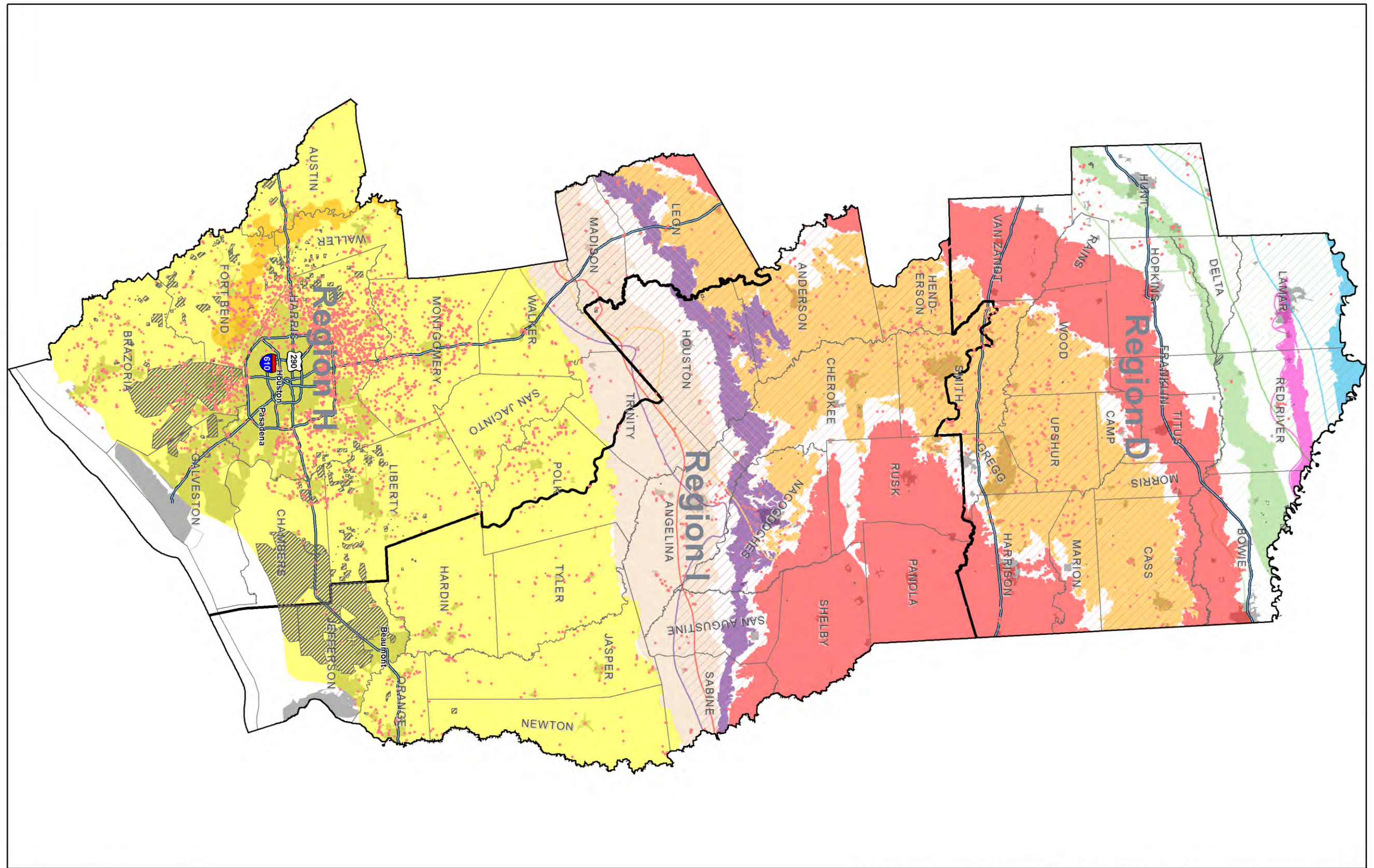
- Irrigated Land
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



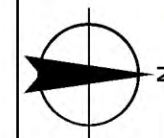
(Data from Texas Commission on Environmental Quality, 1994, 2010, USGS, 2003, and Texas Water Development Board, 2010)

**Irrigated Land Use Above
Unconfined Aquifers**

Regions D, H, and I

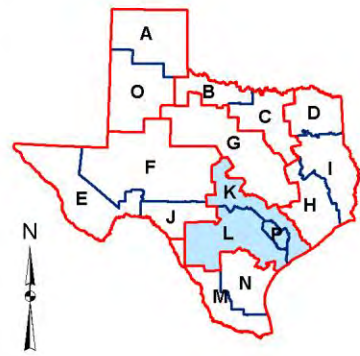
Explanation

- Irrigated Land
- Counties
- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Cities



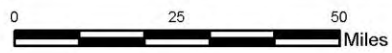
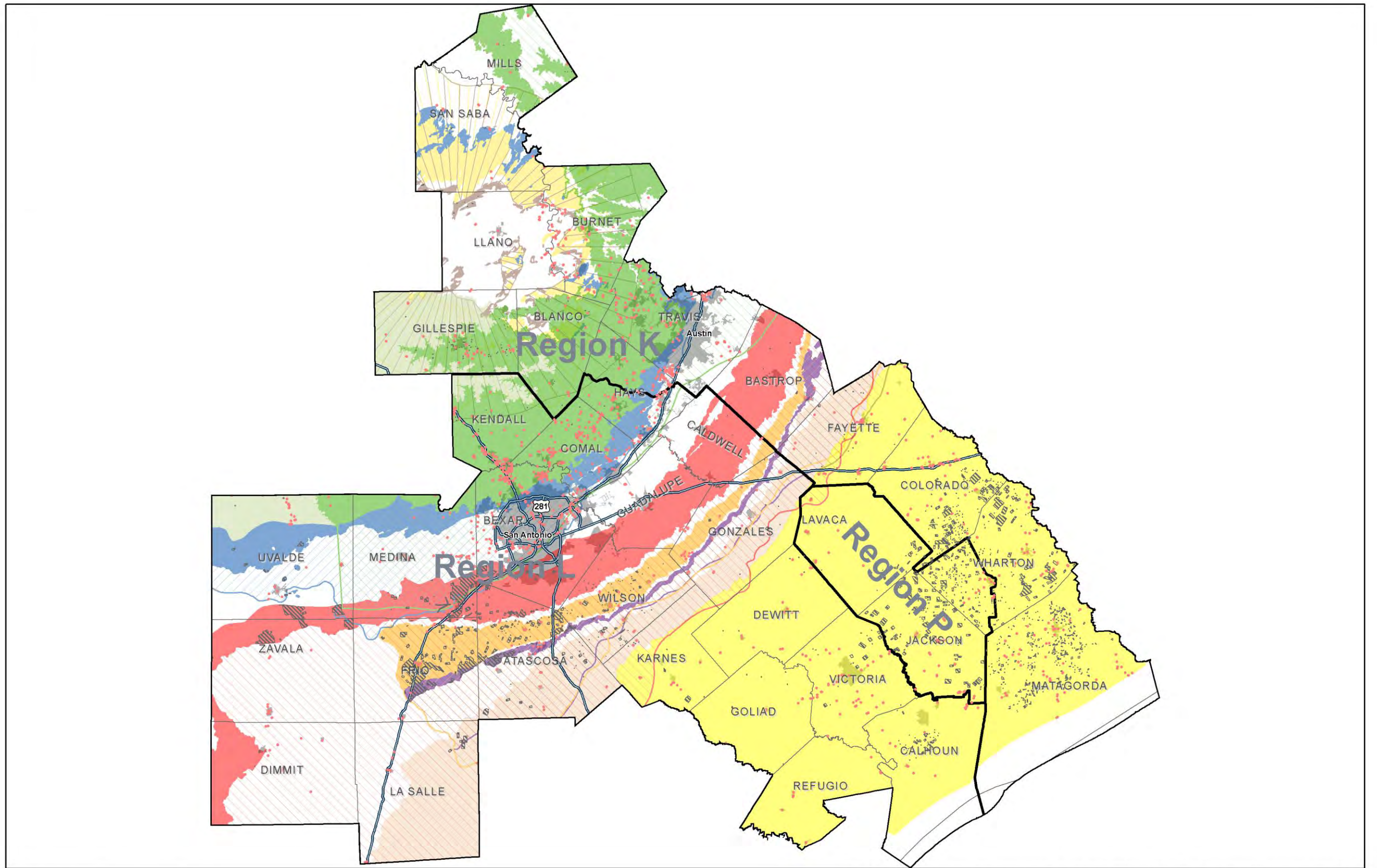
LBG-GUYTON ASSOCIATES

Plate 133



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

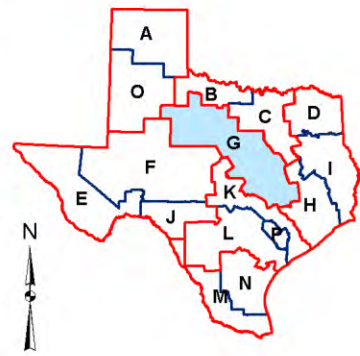


(Data from Texas Commission on Environmental Quality, 1994, 2010, USGS, 2003, and Texas Water Development Board, 2010)

**Irrigated Land Use Above
Unconfined Aquifers**
Regions K, L, and P

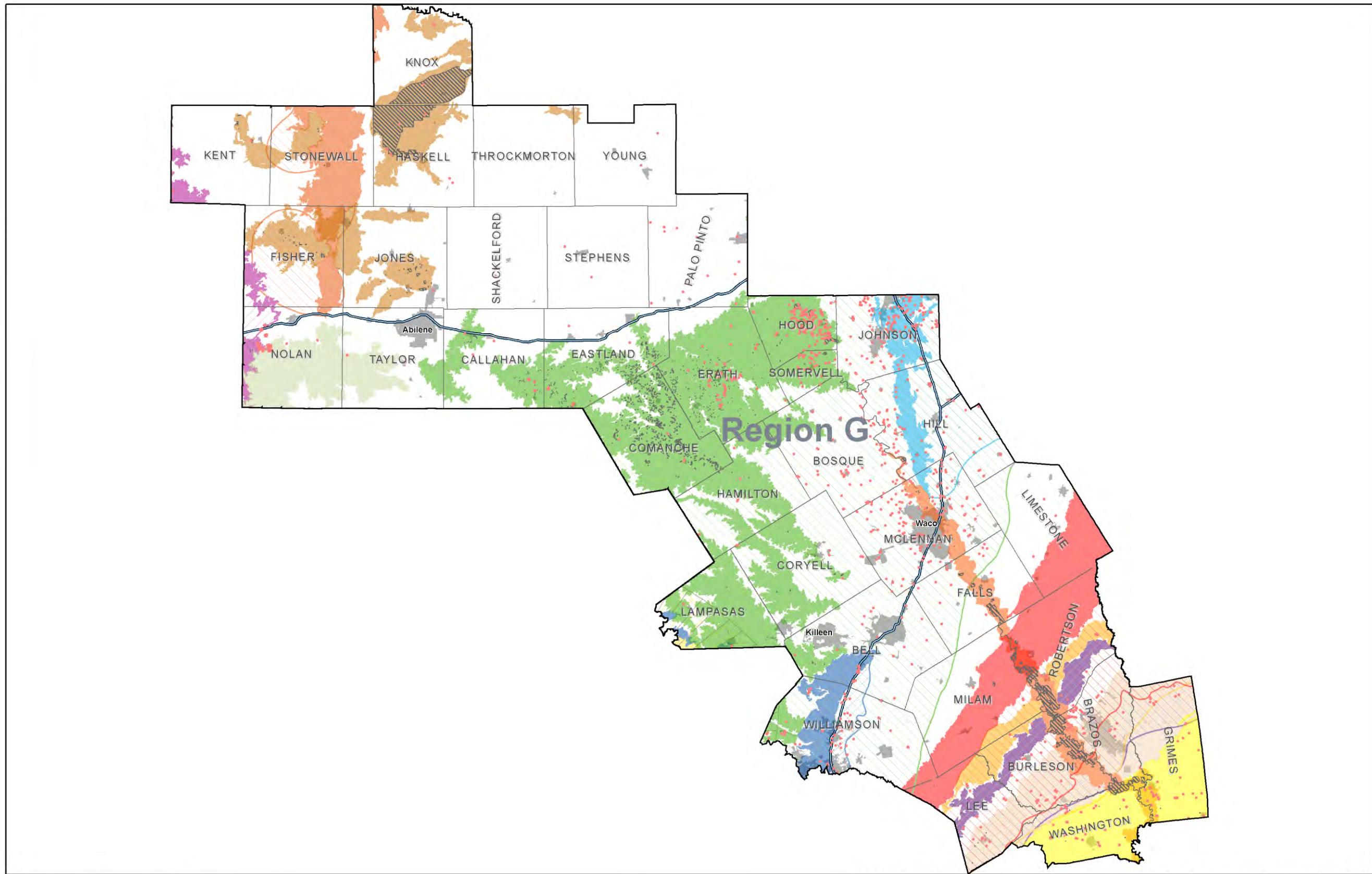
- Explanation**
- Irrigated Land
 - Regional Water Planning Groups
 - Public Water Supply Wells
 - Counties
 - Major Highway
 - Cities





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 1994, 2010, USGS, 2003, and Texas Water Development Board, 2010)

Irrigated Land Use Above Unconfined Aquifers

Regions G

Explanation

- Irrigated Land
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities

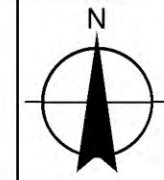
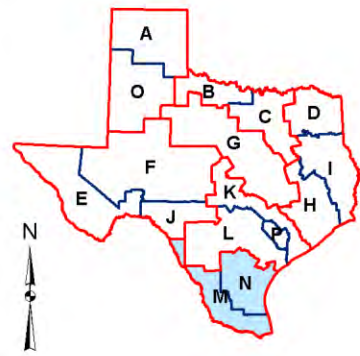
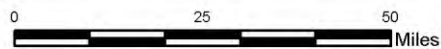
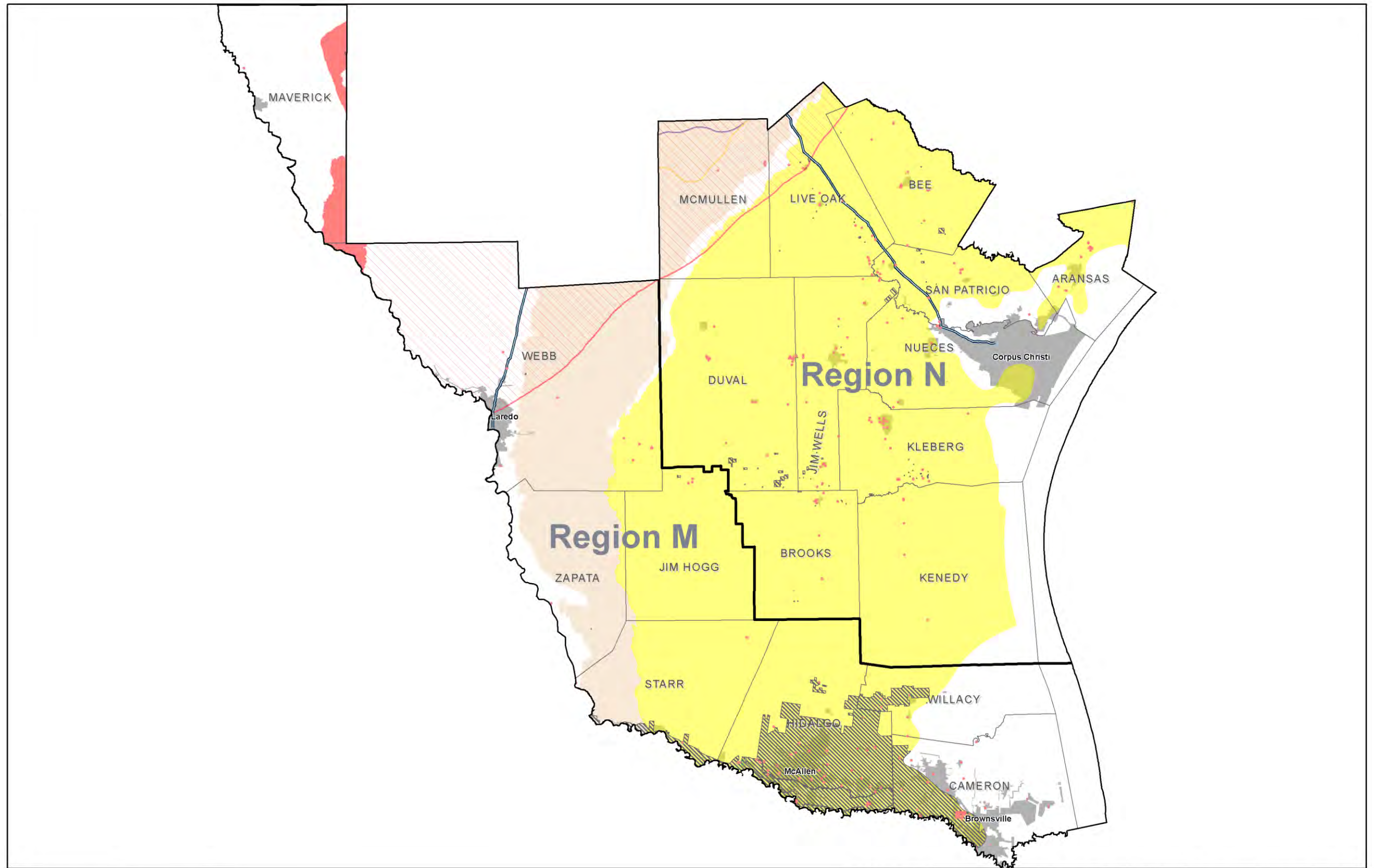


Plate 135



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

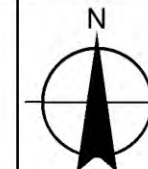


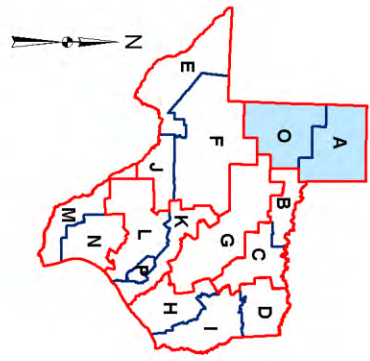
(Data from Texas Commission on Environmental Quality, 1994, 2010, USGS, 2003, and Texas Water Development Board, 2010)

**Irrigated Land Use Above
Unconfined Aquifers**
Regions M and N

Explanation

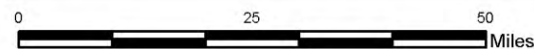
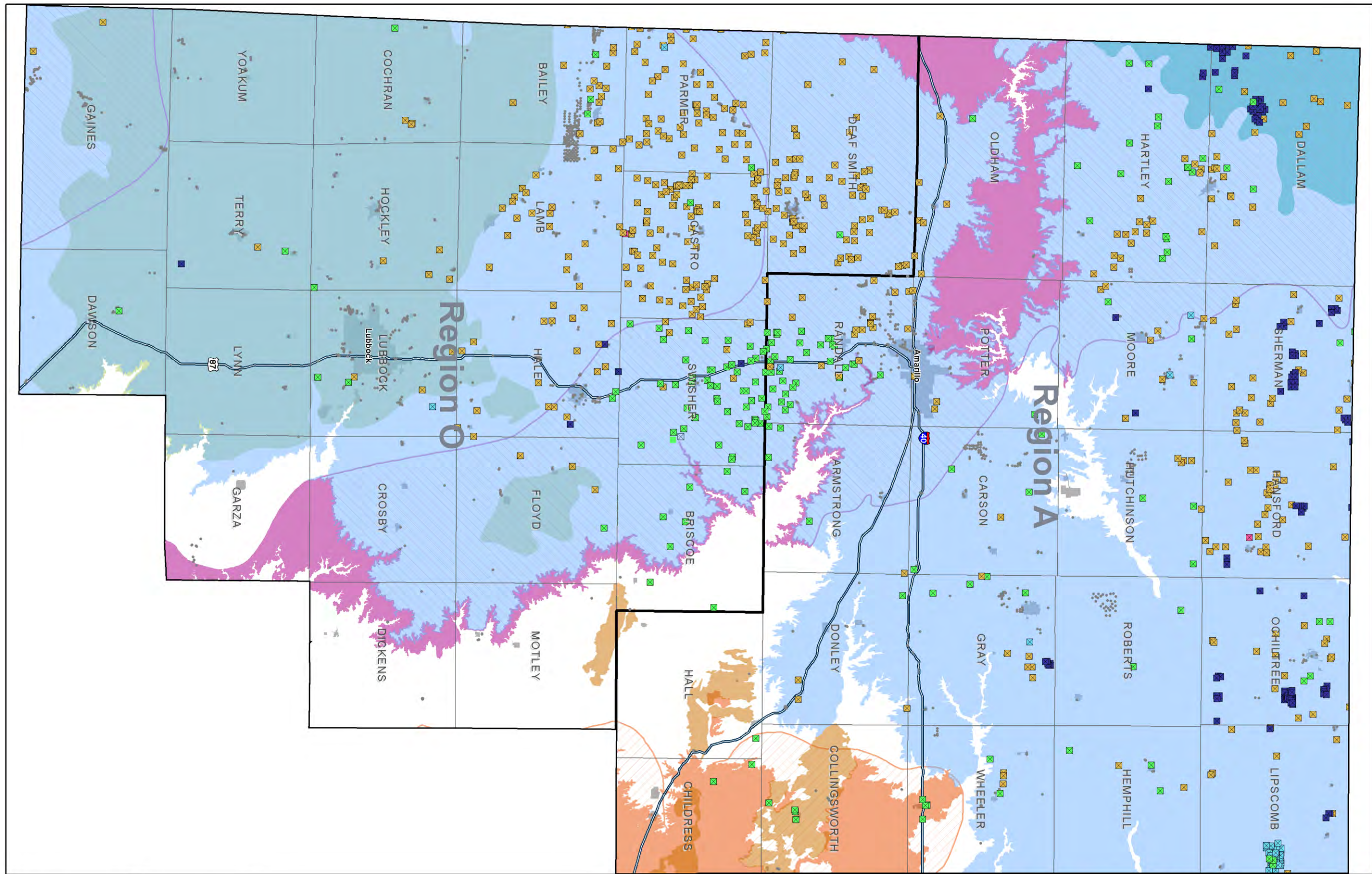
- Irrigated Land
- Regional Water Planning Groups
- Public Water Supply Wells
- Counties
- Major Highway
- Cities





Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

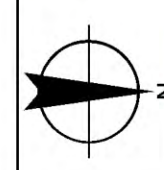


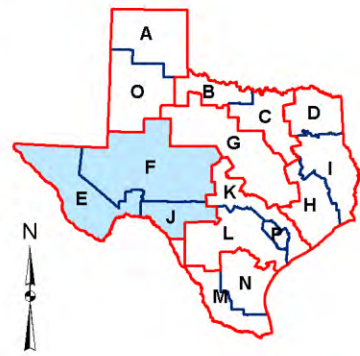
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Concentrated Animal Feeding Operations

Regions A and O

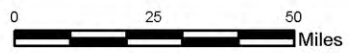
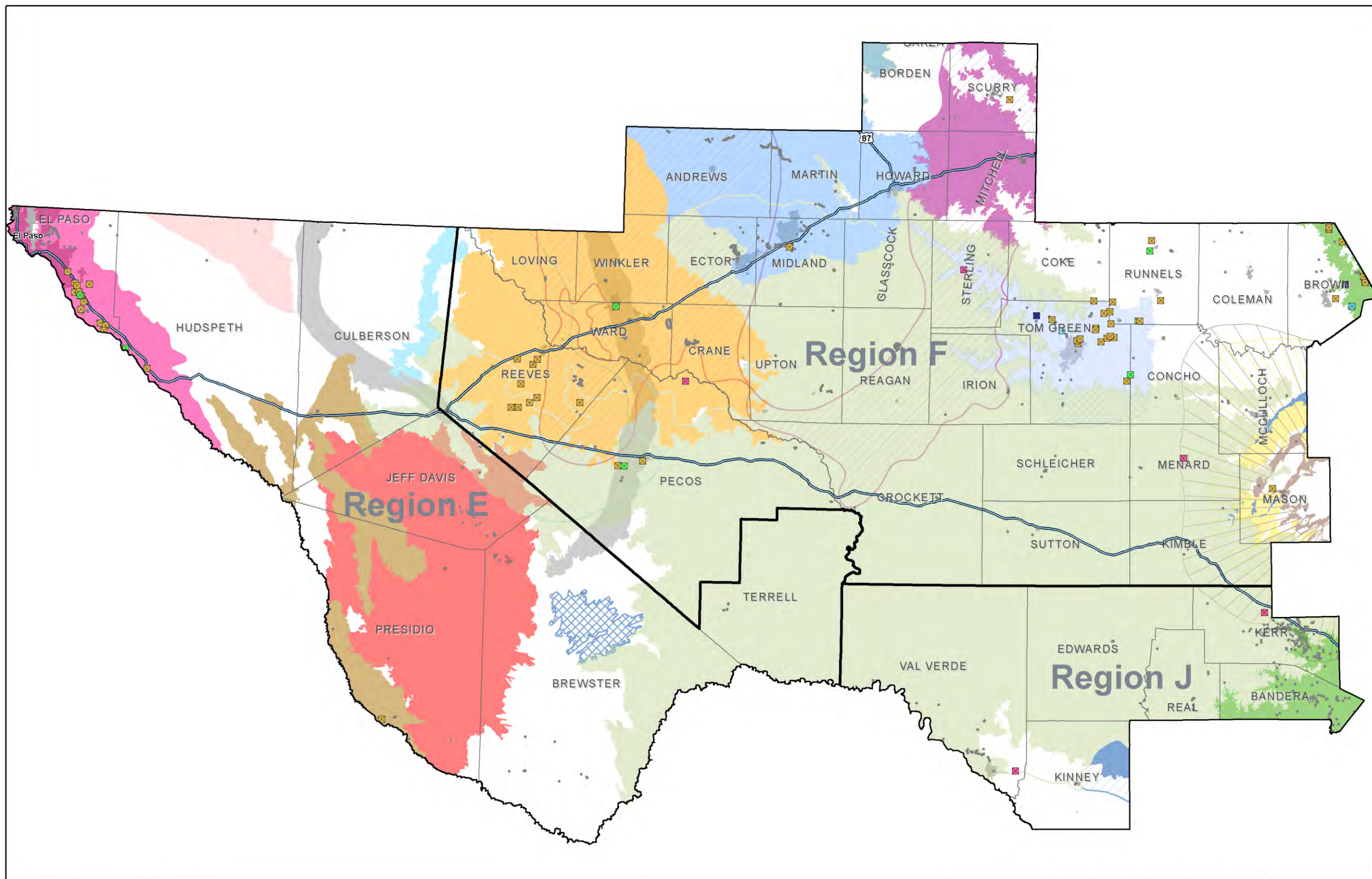
- CAFO Type**
- Cattle
 - Chicken
 - Swine
 - Not Specified
 - Other
- Explanation**
- Public Water Supply Wells
 - Major Highway
 - Counties
 - Regional Water Planning Groups
 - Cities





Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Concentrated Animal Feeding Operations

Regions E, F, and J

- | CAFO Type | Explanation |
|--|--|
| Cattle | Public Water Supply Wells |
| Chicken | Major Highway |
| Swine | Regional Water Planning Groups |
| Not Specified | Counties |
| Other | Cities |

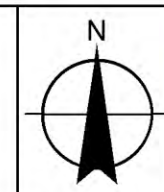
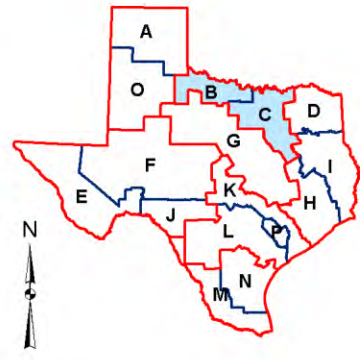
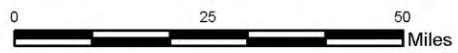
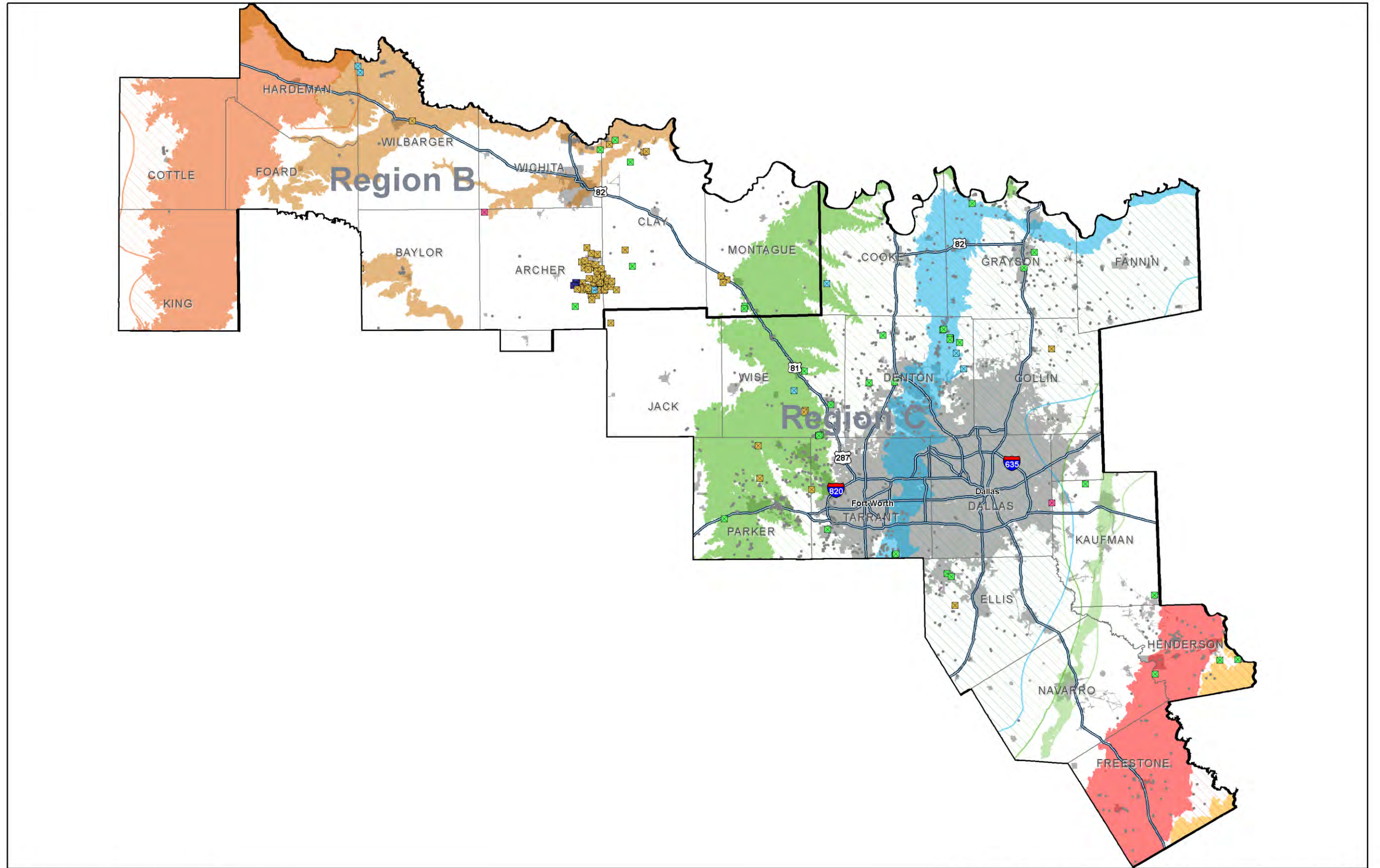


Plate 138



Major and Minor Aquifers

- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

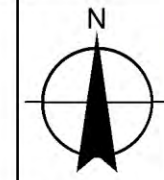


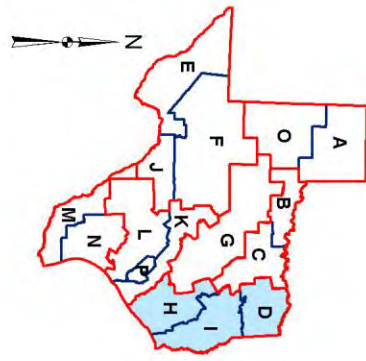
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Concentrated Animal Feeding Operations

Regions B and C

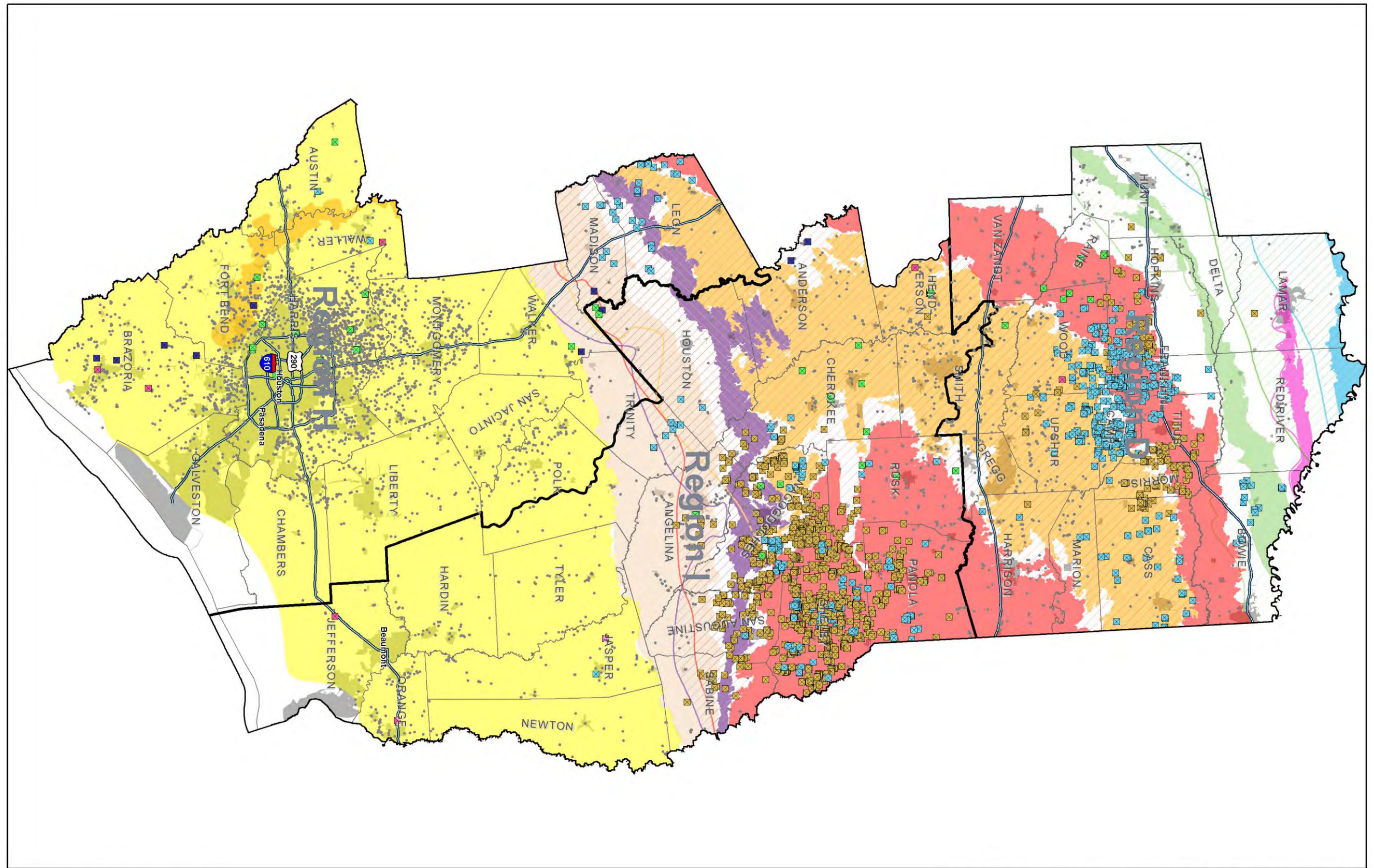
- | CAFO Type | Explanation |
|--|---|
| Cattle | Public Water Supply Wells |
| Chicken | Major Highway |
| Swine | Regional Water Planning Groups |
| Not Specified | Counties |
| Other | Cities |





Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)



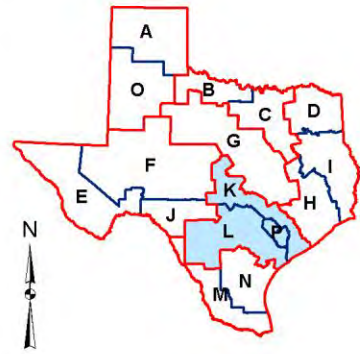
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Concentrated Animal Feeding Operations
Regions D, H, and I

- CAFO Type**
- Cattle
 - Chicken
 - Swine
 - Not Specified
 - Other
- Explanation**
- Public Water Supply Wells
 - Major Highway
 - Counties
 - Regional Water Planning Groups
 - Cities

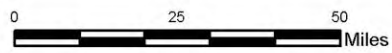
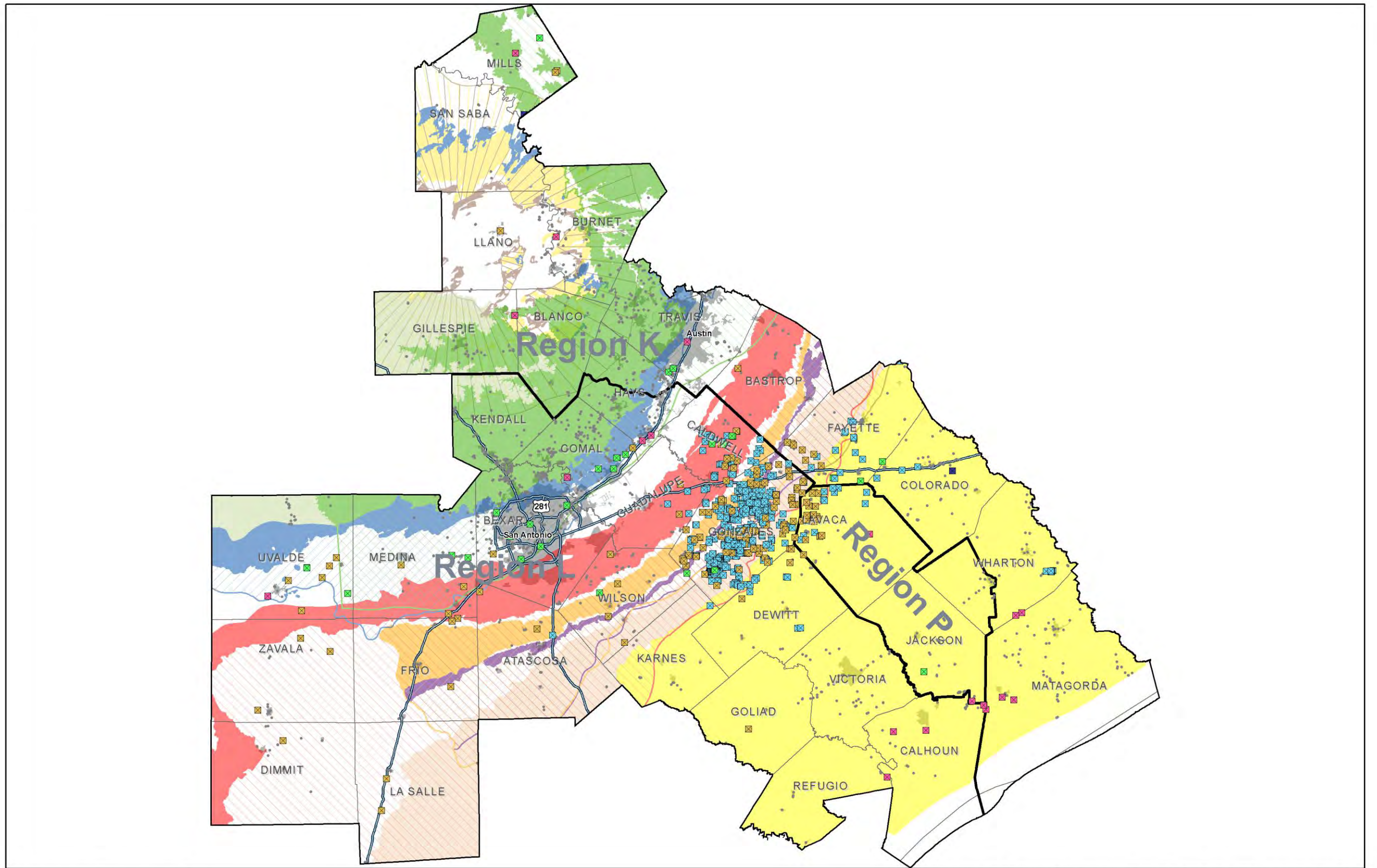
LBG-GUYTON ASSOCIATES

Plate 140



Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

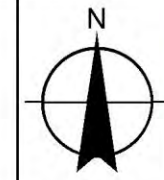


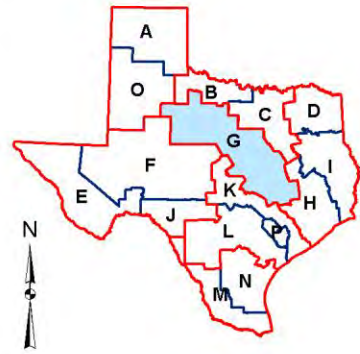
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Concentrated Animal Feeding Operations

Regions K, L, and P

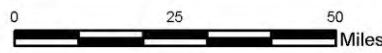
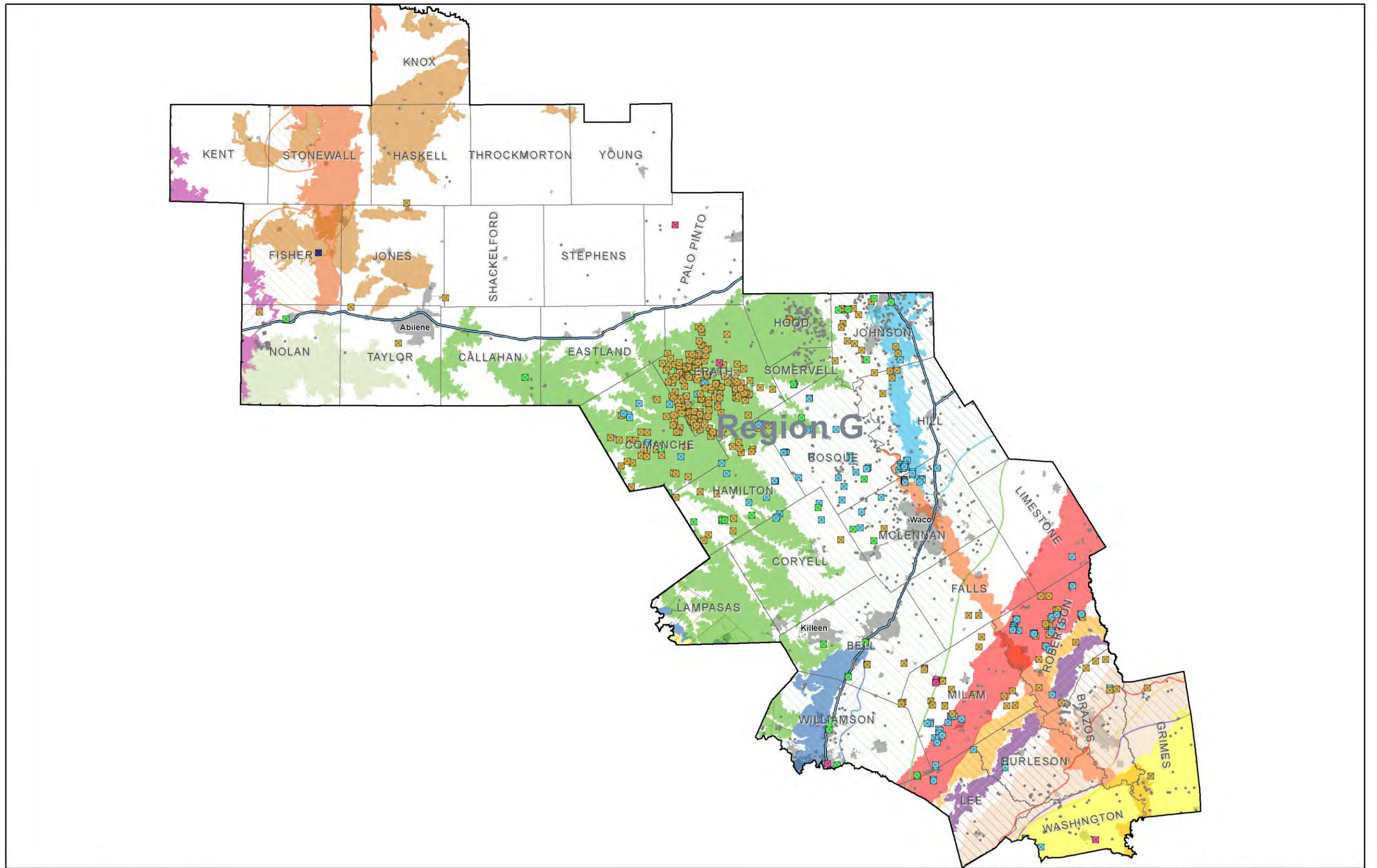
- | CAFO Type | Explanation |
|--|---|
| Cattle | Public Water Supply Wells |
| Chicken | Major Highway |
| Swine | Regional Water Planning Groups |
| Not Specified | Counties |
| Other | Cities |





Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)

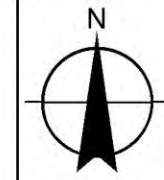


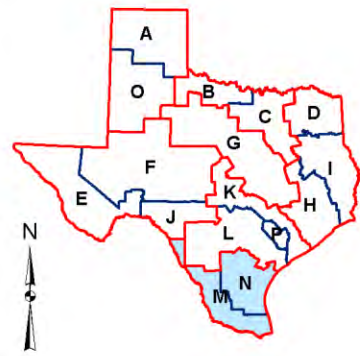
(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

Location of Concentrated Animal Feeding Operations

Regions G

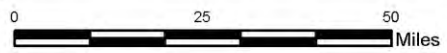
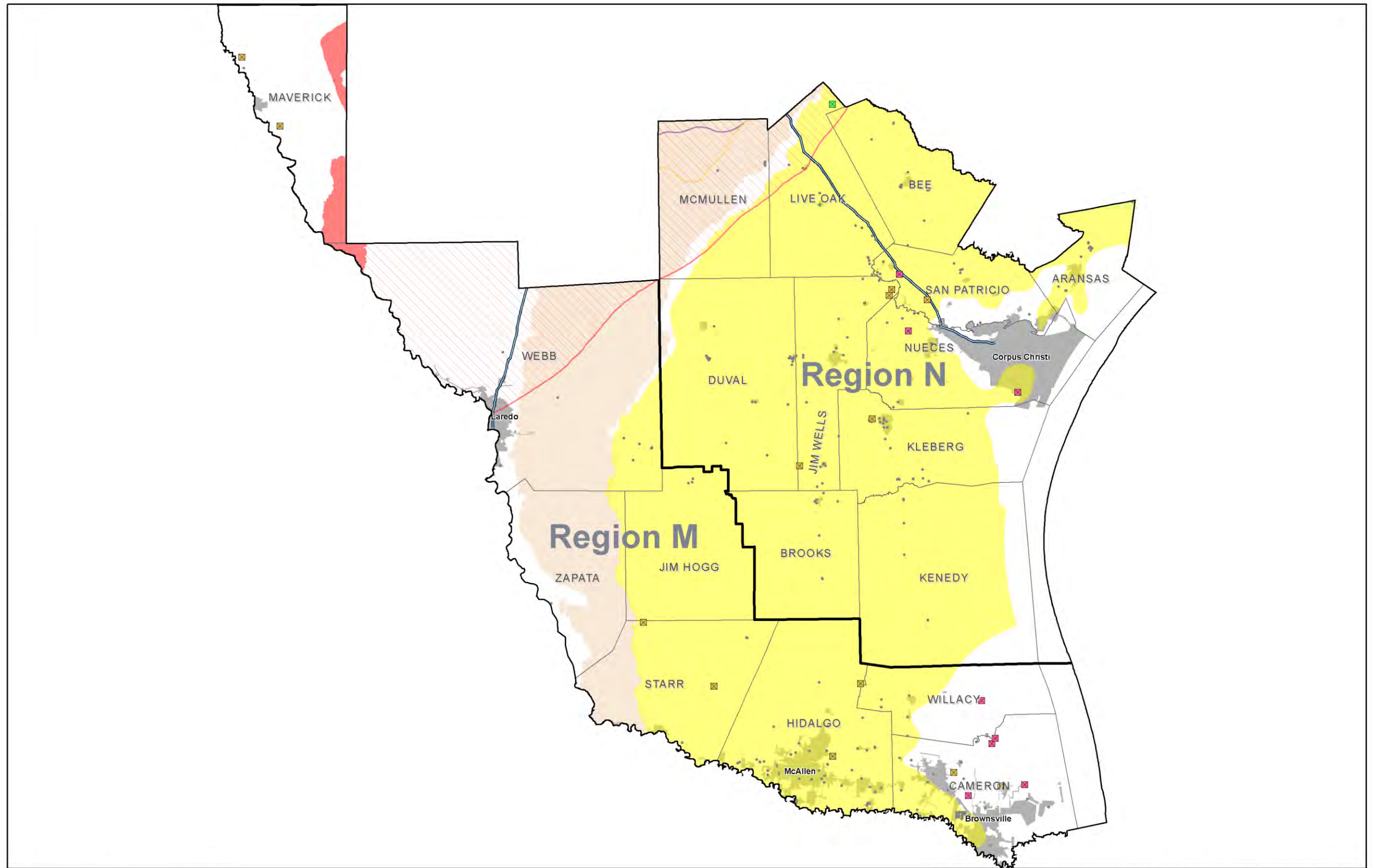
- | | |
|---|--|
| <p>CAFO Type</p> <ul style="list-style-type: none"> Cattle Chicken Swine Not Specified Other | <p>Explanation</p> <ul style="list-style-type: none"> Public Water Supply Wells Major Highway Regional Water Planning Groups Counties Cities |
|---|--|





Major and Minor Aquifers

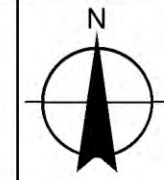
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Yegua Jackson
- Sparta (subcrop/confined)
- Queen City (subcrop/confined)

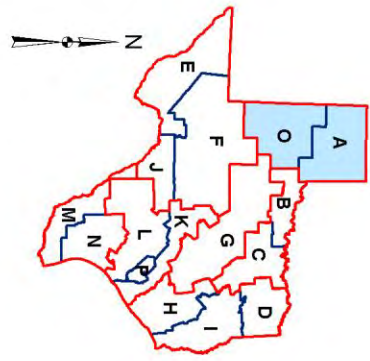


(Data from Texas Commission on Environmental Quality, 2010 and Texas Water Development Board, 2010)

**Location of Concentrated
Animal Feeding Operations**
Regions M and N

- | CAFO Type | | Explanation | |
|--|---------------|--|--------------------------------|
| | Cattle | | Public Water Supply Wells |
| | Chicken | | Major Highway |
| | Swine | | Regional Water Planning Groups |
| | Not Specified | | Counties |
| | Other | | Cities |



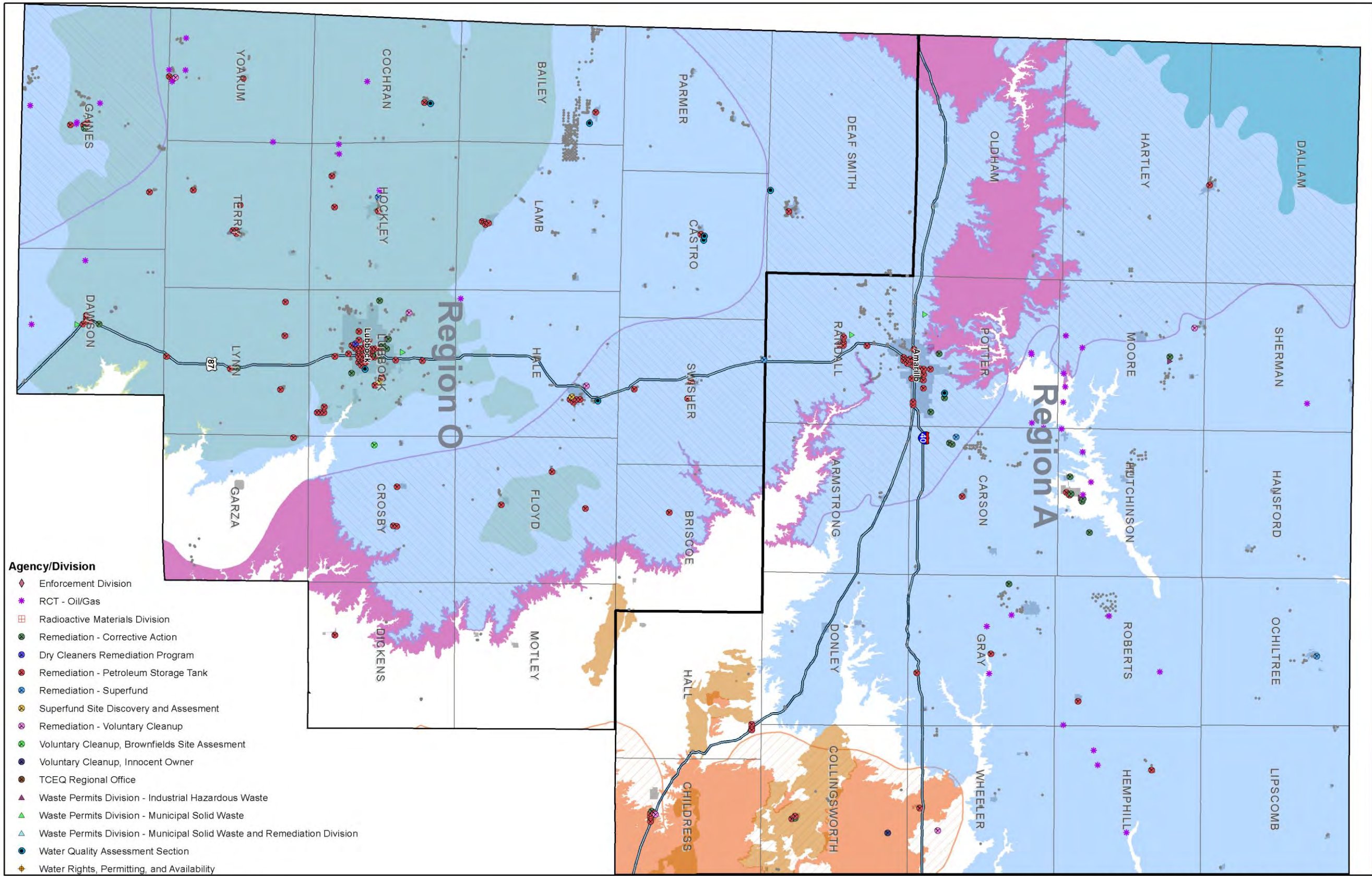
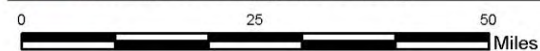


Major and Minor Aquifers

- Seymour
- Ogallala
- Rita Blanca
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

Agency/Division

- Enforcement Division
- RCT - Oil/Gas
- Radioactive Materials Division
- Remediation - Corrective Action
- Dry Cleaners Remediation Program
- Remediation - Petroleum Storage Tank
- Remediation - Superfund
- Superfund Site Discovery and Assessment
- Remediation - Voluntary Cleanup
- Voluntary Cleanup, Brownfields Site Assessment
- Voluntary Cleanup, Innocent Owner
- TCEQ Regional Office
- Waste Permits Division - Industrial Hazardous Waste
- Waste Permits Division - Municipal Solid Waste
- Waste Permits Division - Municipal Solid Waste and Remediation Division
- Water Quality Assessment Section
- Water Rights, Permitting, and Availability

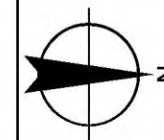


(Data from Texas Commission on Environmental Quality, 2009, 2010 and Texas Water Development Board, 2010)

**Locations of TCEQ and RCT
Groundwater Contamination Cases**
Regions A and O

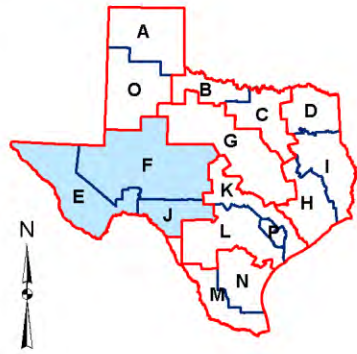
Explanation

- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



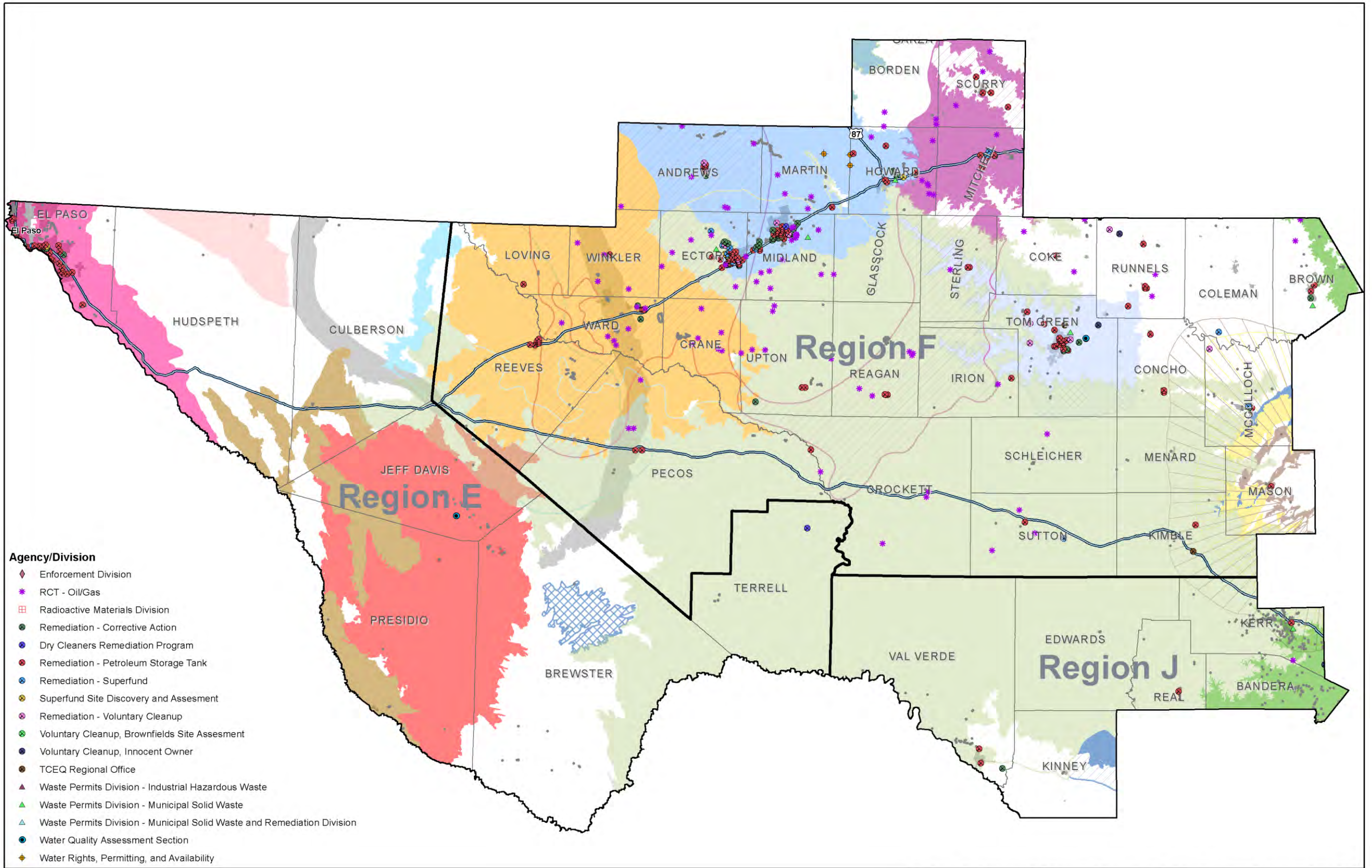
LBG-GUYTON ASSOCIATES

Plate 144



Major and Minor Aquifers

- Pecos Valley
- Seymour
- Hueco - Mesilla Bolson
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (subcrop/confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (subcrop/confined)
- Igneous
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Rustler (outcrop)
- Rustler (subcrop/confined)
- Capitan Reef Complex
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)



- Agency/Division**
- Enforcement Division
 - RCT - Oil/Gas
 - Radioactive Materials Division
 - Remediation - Corrective Action
 - Dry Cleaners Remediation Program
 - Remediation - Petroleum Storage Tank
 - Remediation - Superfund
 - Superfund Site Discovery and Assessment
 - Remediation - Voluntary Cleanup
 - Voluntary Cleanup, Brownfields Site Assessment
 - Voluntary Cleanup, Innocent Owner
 - TCEQ Regional Office
 - Waste Permits Division - Industrial Hazardous Waste
 - Waste Permits Division - Municipal Solid Waste
 - Waste Permits Division - Municipal Solid Waste and Remediation Division
 - Water Quality Assessment Section
 - Water Rights, Permitting, and Availability

(Data from Texas Commission on Environmental Quality, 2009, 2010 and Texas Water Development Board, 2010)

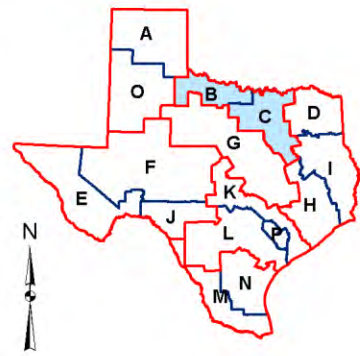
Locations of TCEQ and RCT Groundwater Contamination Cases

Regions E, F, and J

- Explanation**
- Public Water Supply Wells
 - Regional Water Planning Groups
 - Major Highway
 - Counties
 - Cities



Plate 145

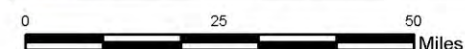


Major and Minor Aquifers

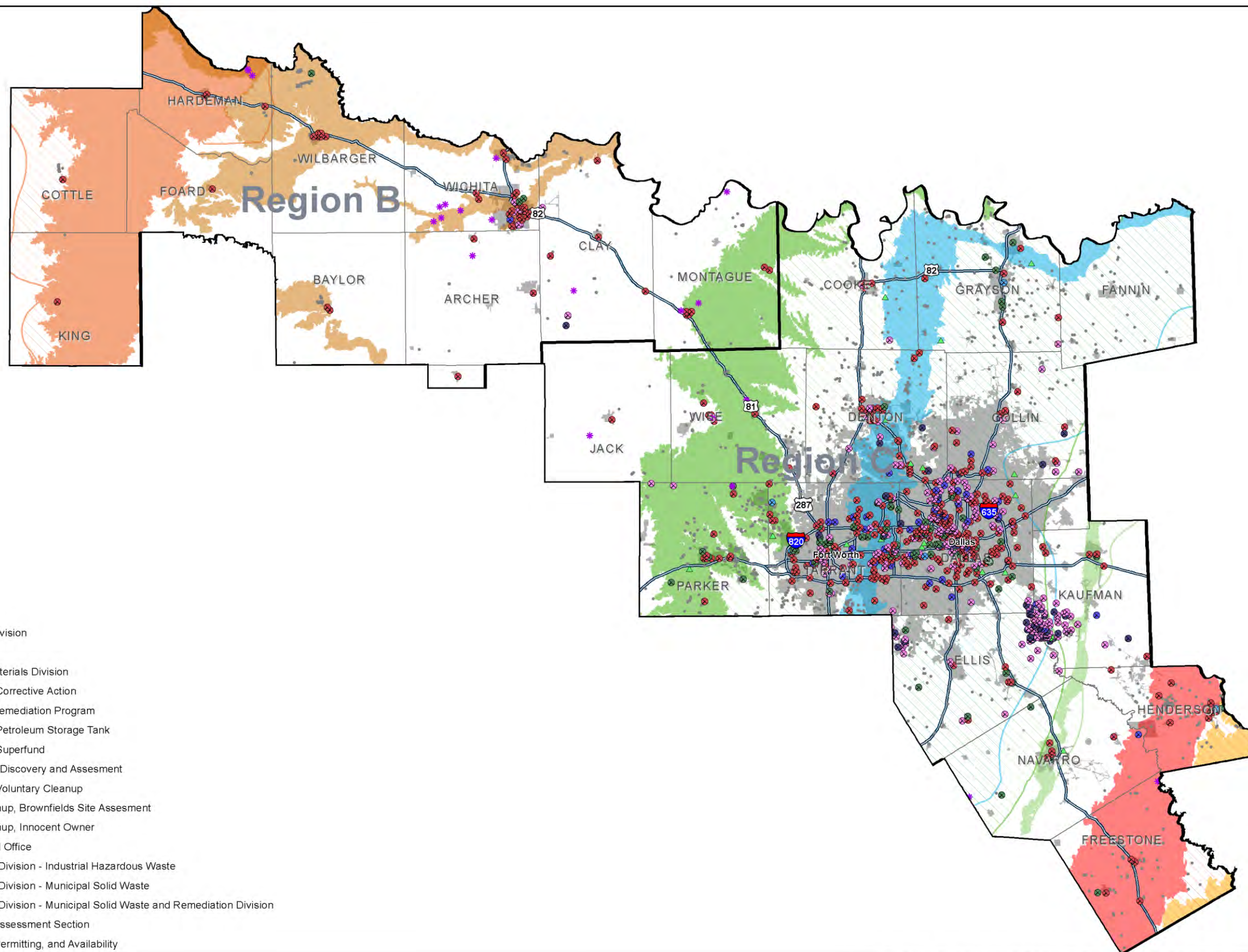
- Seymour
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Queen City (outcrop)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)

Agency/Division

- Enforcement Division
- RCT - Oil/Gas
- Radioactive Materials Division
- Remediation - Corrective Action
- Dry Cleaners Remediation Program
- Remediation - Petroleum Storage Tank
- Remediation - Superfund
- Superfund Site Discovery and Assessment
- Remediation - Voluntary Cleanup
- Voluntary Cleanup, Brownfields Site Assessment
- Voluntary Cleanup, Innocent Owner
- TCEQ Regional Office
- Waste Permits Division - Industrial Hazardous Waste
- Waste Permits Division - Municipal Solid Waste
- Waste Permits Division - Municipal Solid Waste and Remediation Division
- Water Quality Assessment Section
- Water Rights, Permitting, and Availability



(Data from Texas Commission on Environmental Quality, 2009, 2010 and Texas Water Development Board, 2010)



Locations of TCEQ and RCT Groundwater Contamination Cases

Regions B and C

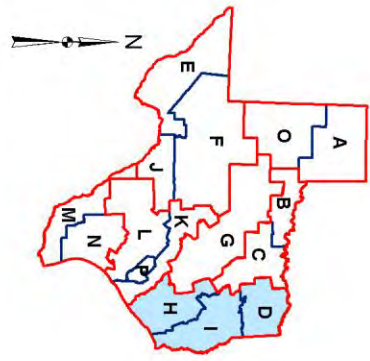
Explanation

- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Counties
- Cities



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Plate 146

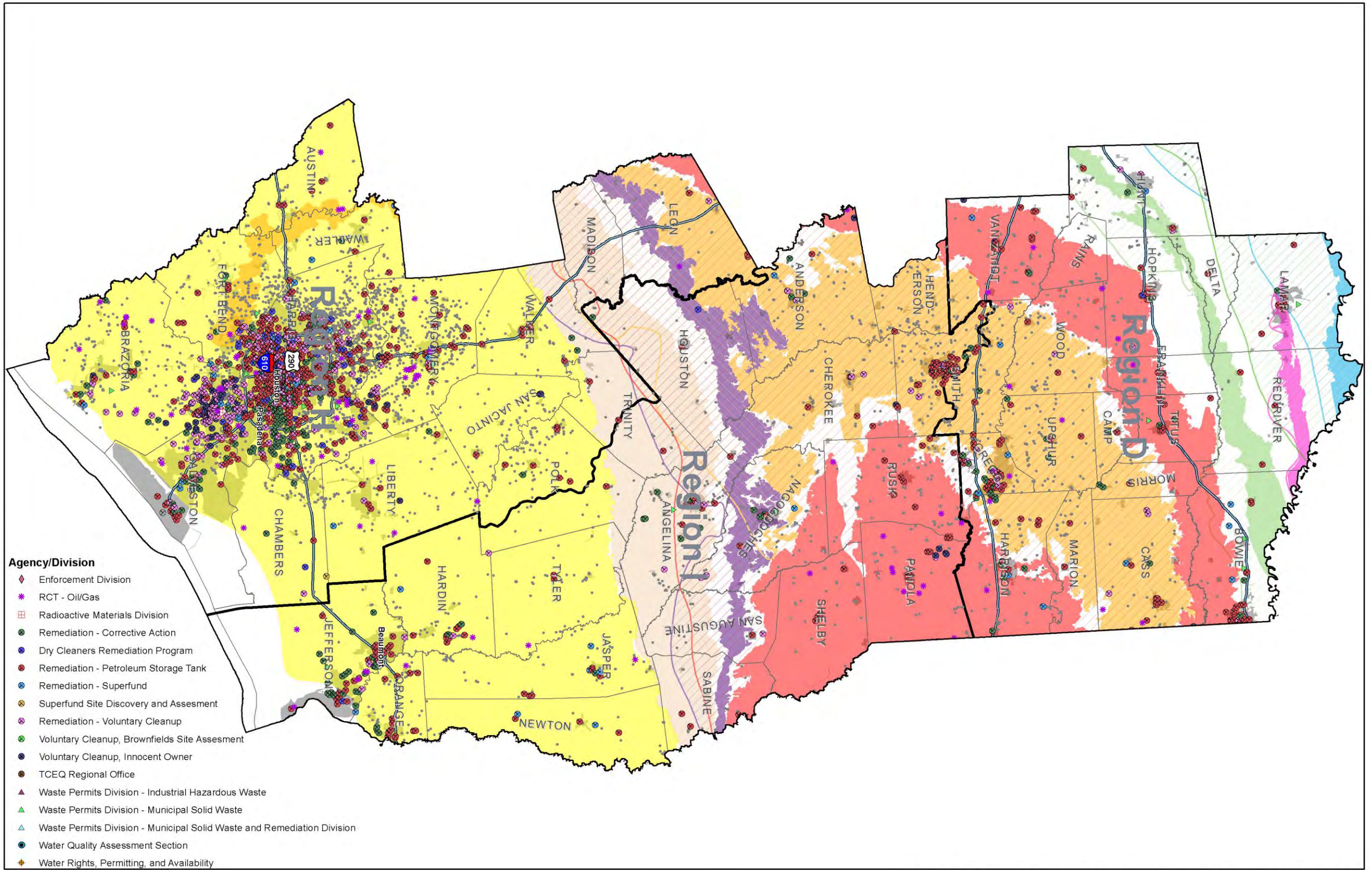
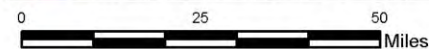


Major and Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Nacatoch (outcrop)
- Nacatoch (subcrop/confined)
- Blossom (outcrop)
- Blossom (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)

Agency/Division

- Enforcement Division
- RCT - Oil/Gas
- Radioactive Materials Division
- Remediation - Corrective Action
- Dry Cleaners Remediation Program
- Remediation - Petroleum Storage Tank
- Remediation - Superfund
- Superfund Site Discovery and Assessment
- Remediation - Voluntary Cleanup
- Voluntary Cleanup, Brownfields Site Assessment
- Voluntary Cleanup, Innocent Owner
- TCEQ Regional Office
- Waste Permits Division - Industrial Hazardous Waste
- Waste Permits Division - Municipal Solid Waste
- Waste Permits Division - Municipal Solid Waste and Remediation Division
- Water Quality Assessment Section
- Water Rights, Permitting, and Availability

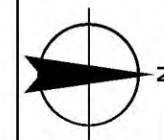


(Data from Texas Commission on Environmental Quality, 2009, 2010 and Texas Water Development Board, 2010)

**Locations of TCEQ and RCT
Groundwater Contamination Cases**
Regions D, H, and I

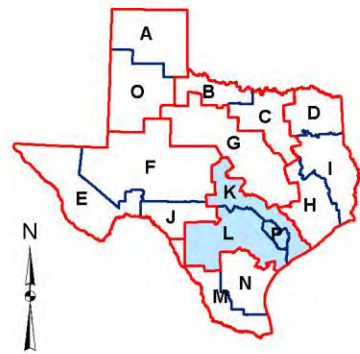
Explanation

- Public Water Supply Wells
- Major Highway
- Counties
- Regional Water Planning Groups
- Cities



LBG-GUYTON ASSOCIATES

Plate 147

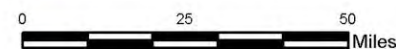


Major and Minor Aquifers

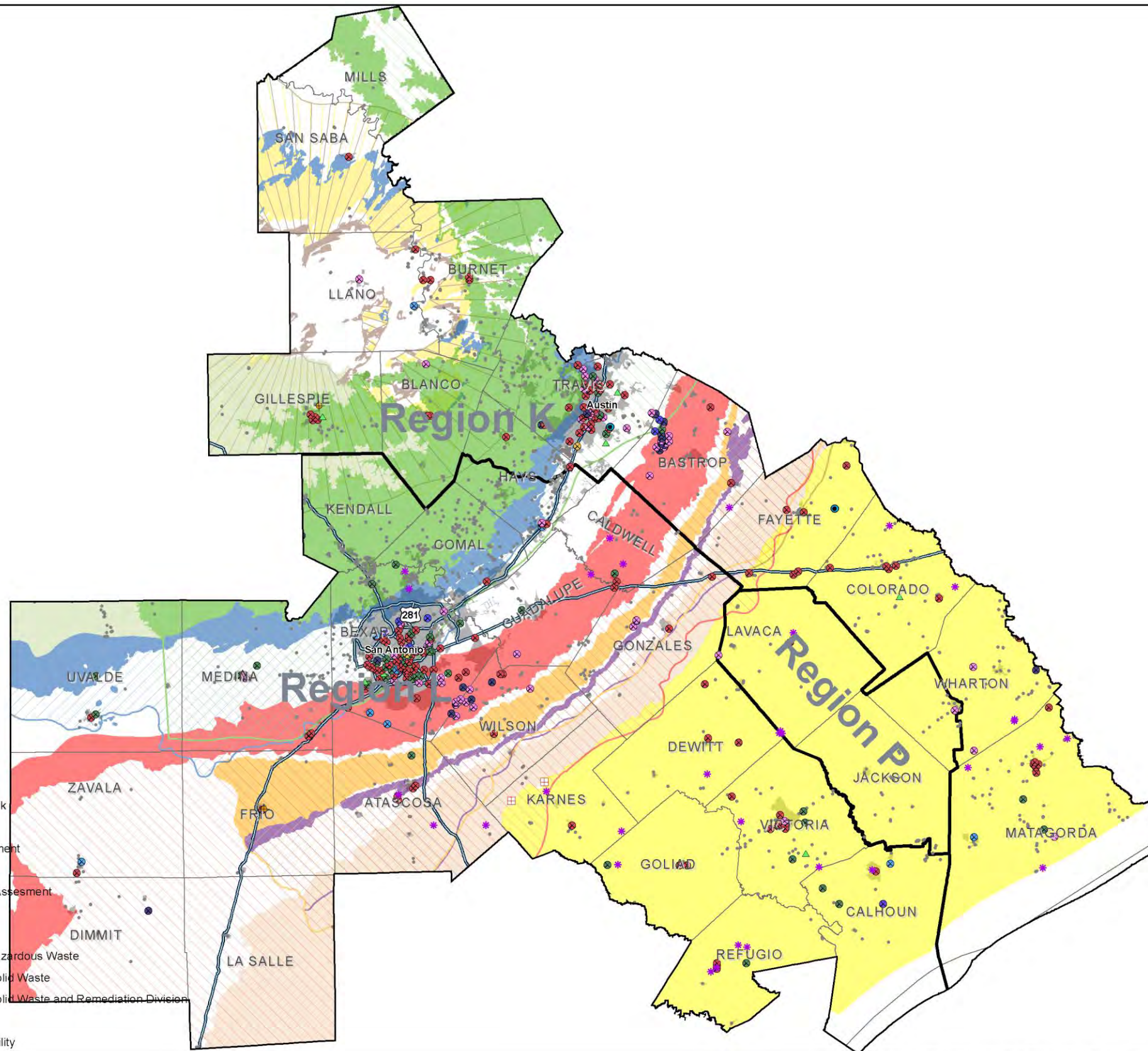
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Lipan (subcrop/confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (outcrop)
- Hickory (subcrop/confined)

Agency/Division

- Enforcement Division
- RCT - Oil/Gas
- Radioactive Materials Division
- Remediation - Corrective Action
- Dry Cleaners Remediation Program
- Remediation - Petroleum Storage Tank
- Remediation - Superfund
- Superfund Site Discovery and Assessment
- Remediation - Voluntary Cleanup
- Voluntary Cleanup, Brownfields Site Assessment
- Voluntary Cleanup, Innocent Owner
- TCEQ Regional Office
- Waste Permits Division - Industrial Hazardous Waste
- Waste Permits Division - Municipal Solid Waste
- Waste Permits Division - Municipal Solid Waste and Remediation Division
- Water Quality Assessment Section
- Water Rights, Permitting, and Availability



(Data from Texas Commission on Environmental Quality, 2009, 2010 and Texas Water Development Board, 2010)



**Locations of TCEQ and RCT
Groundwater Contamination Cases**
Regions K, L, and P

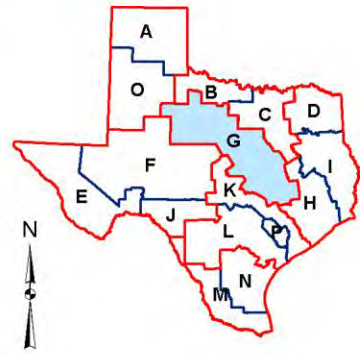
Explanation

- Public Water Supply Wells
- Major Highway
- Regional Water Planning Groups
- Counties
- Cities



LBG-GUYTON ASSOCIATES

Plate 148

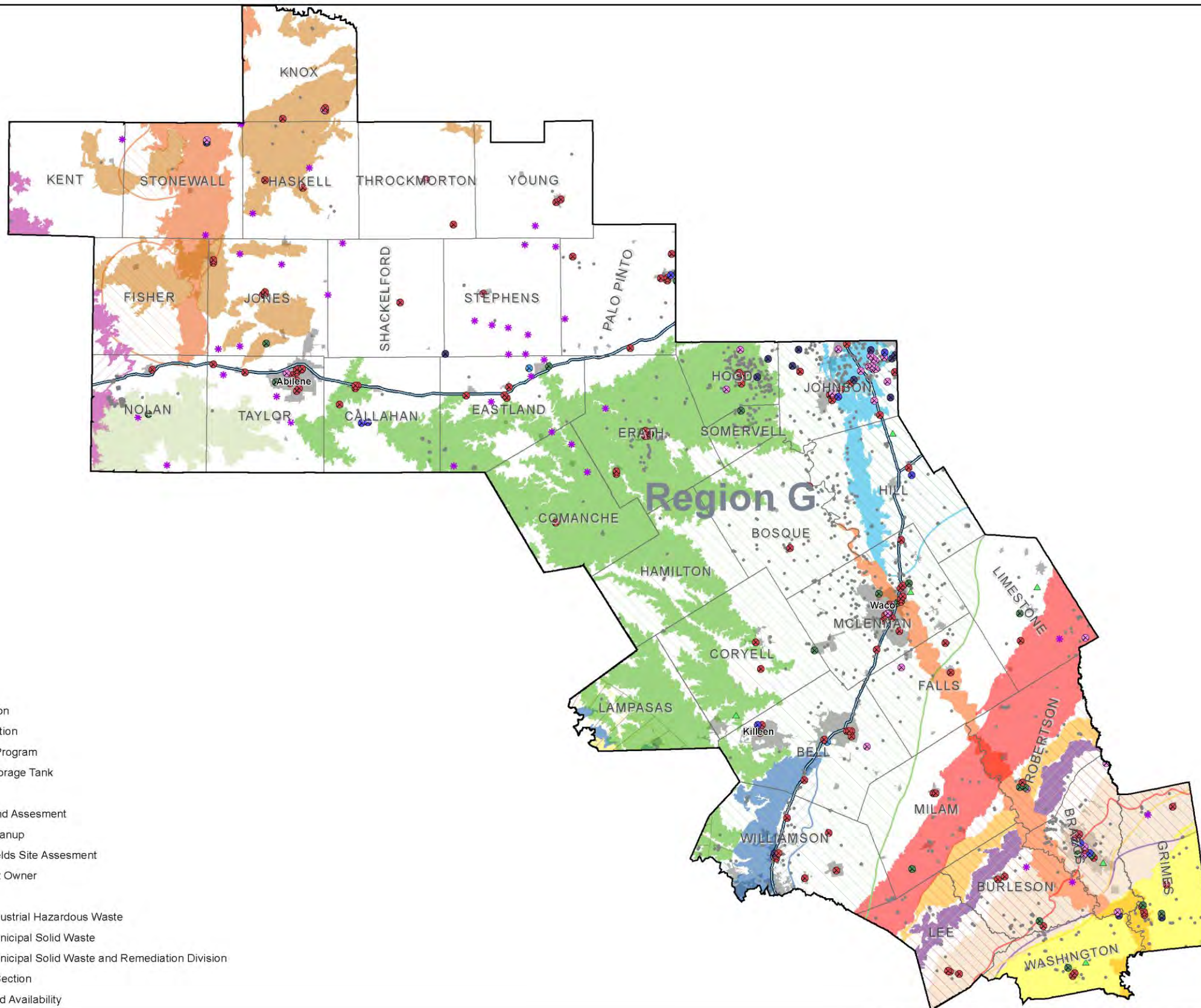
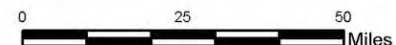


Major and Minor Aquifers

- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (subcrop/confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (subcrop/confined)
- Trinity (outcrop)
- Trinity (subcrop/confined)
- Brazos River Alluvium
- Yegua Jackson
- Sparta (outcrop)
- Sparta (subcrop/confined)
- Queen City (outcrop)
- Queen City (subcrop/confined)
- Woodbine (outcrop)
- Woodbine (subcrop/confined)
- Dockum (outcrop)
- Dockum (subcrop/confined)
- Blaine (outcrop)
- Blaine (subcrop/confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (subcrop/confined)
- Hickory (subcrop/confined)

Agency/Division

- Enforcement Division
- RCT - Oil/Gas
- Radioactive Materials Division
- Remediation - Corrective Action
- Dry Cleaners Remediation Program
- Remediation - Petroleum Storage Tank
- Remediation - Superfund
- Superfund Site Discovery and Assessment
- Remediation - Voluntary Cleanup
- Voluntary Cleanup, Brownfields Site Assessment
- Voluntary Cleanup, Innocent Owner
- TCEQ Regional Office
- Waste Permits Division - Industrial Hazardous Waste
- Waste Permits Division - Municipal Solid Waste
- Waste Permits Division - Municipal Solid Waste and Remediation Division
- Water Quality Assessment Section
- Water Rights, Permitting, and Availability



(Data from Texas Commission on Environmental Quality, 2009, 2010 and Texas Water Development Board, 2010)

Locations of TCEQ and RCT Groundwater Contamination Cases

Regions G

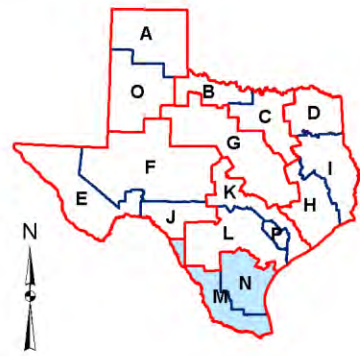
Explanation

- Public Water Supply Wells
- Regional Water Planning Groups
- Major Highway
- Counties
- Cities

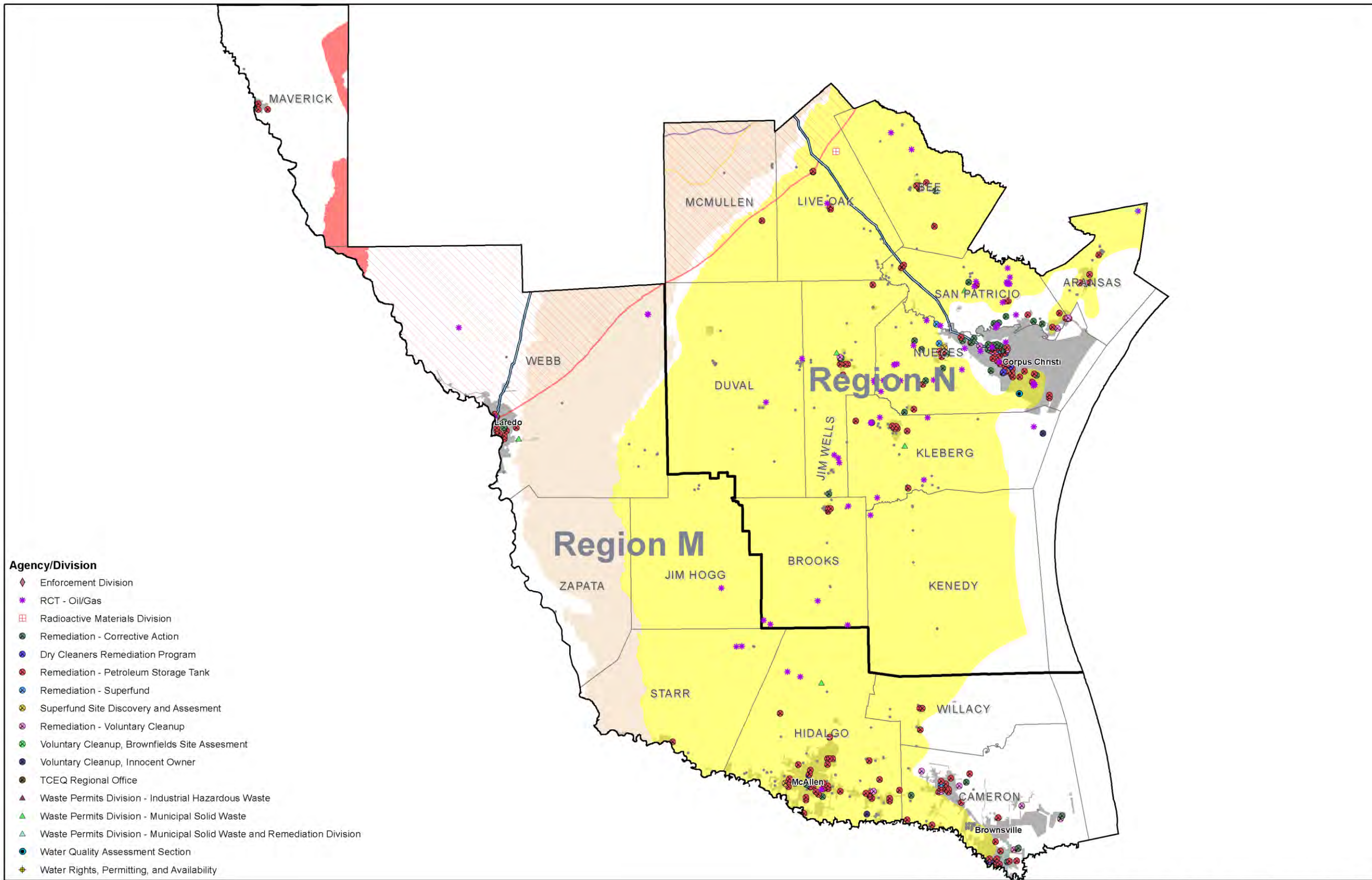


LBG-GUYTON ASSOCIATES

Plate 149

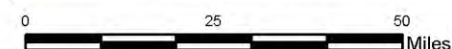


Major and Minor Aquifers



Agency/Division

- ◆ Enforcement Division
- * RCT - Oil/Gas
- ▣ Radioactive Materials Division
- Remediation - Corrective Action
- Dry Cleaners Remediation Program
- Remediation - Petroleum Storage Tank
- Remediation - Superfund
- Superfund Site Discovery and Assessment
- Remediation - Voluntary Cleanup
- Voluntary Cleanup, Brownfields Site Assessment
- Voluntary Cleanup, Innocent Owner
- TCEQ Regional Office
- ▲ Waste Permits Division - Industrial Hazardous Waste
- ▲ Waste Permits Division - Municipal Solid Waste
- ▲ Waste Permits Division - Municipal Solid Waste and Remediation Division
- Water Quality Assessment Section
- ◆ Water Rights, Permitting, and Availability



(Data from Texas Commission on Environmental Quality, 2009, 2010 and Texas Water Development Board, 2010)

**Locations of TCEQ and RCT
Groundwater Contamination Cases**

Regions M and N

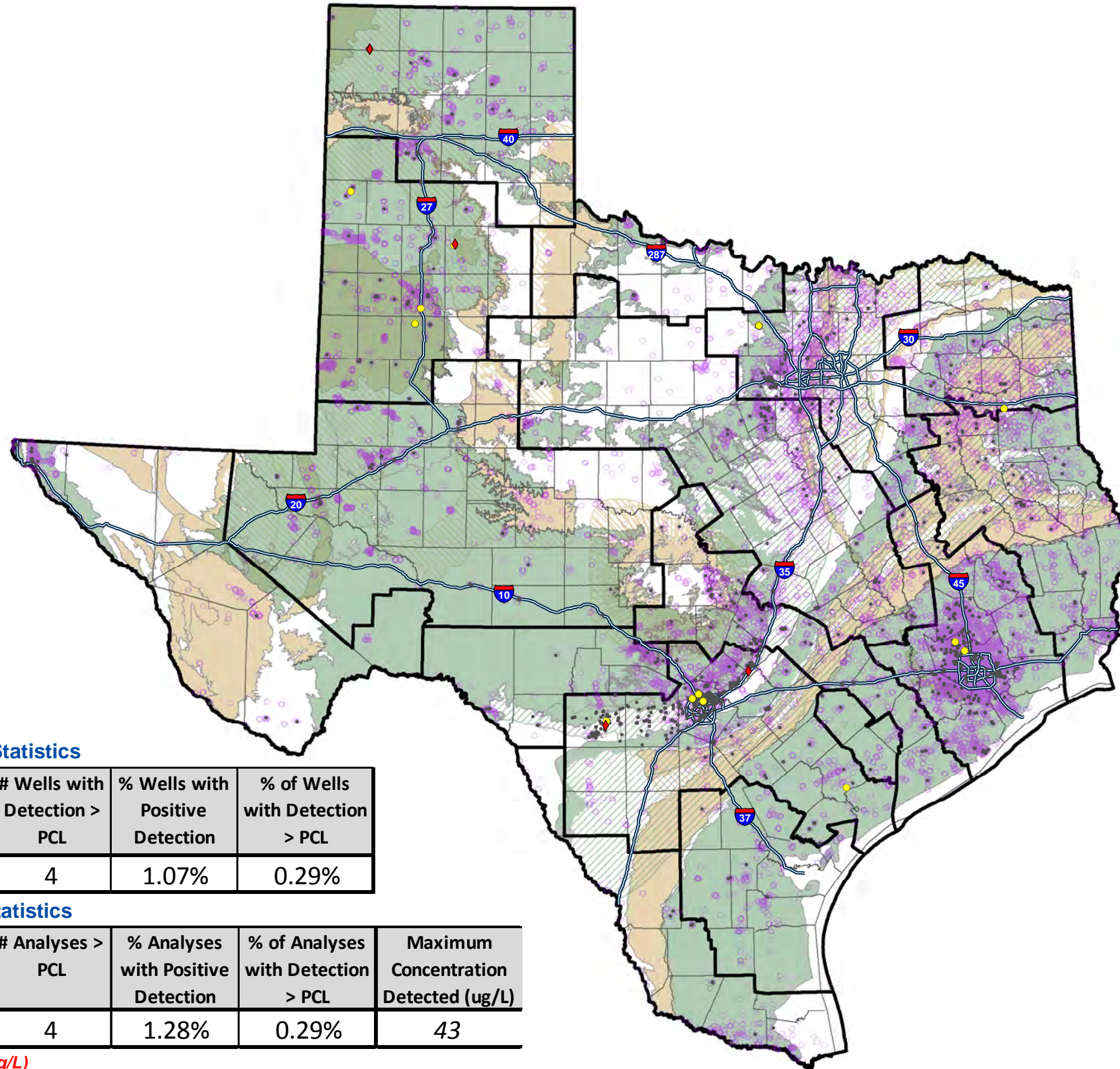
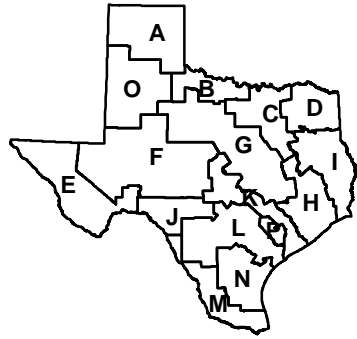
Explanation

- Public Water Supply Wells
- Major Highway
- ▭ Regional Water Planning Groups
- ▭ Counties
- ▭ Cities



LBG-GUYTON ASSOCIATES

Plate 150



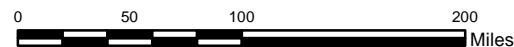
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,398	15	4	1.07%	0.29%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,403	18	4	1.28%	0.29%	43

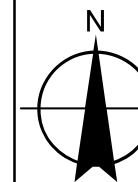
(Note: PCL for Benzene = 5 ug/L)

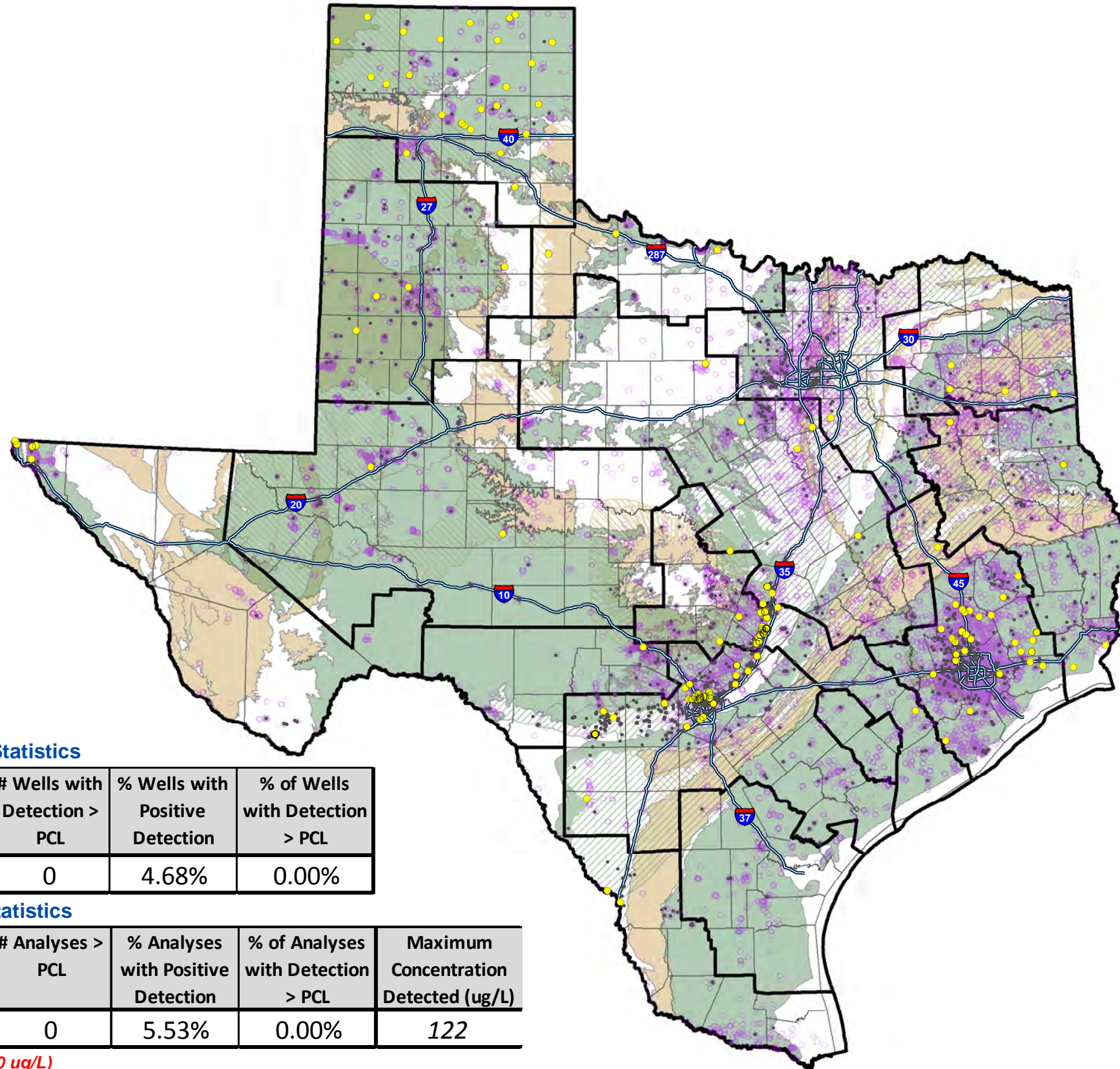
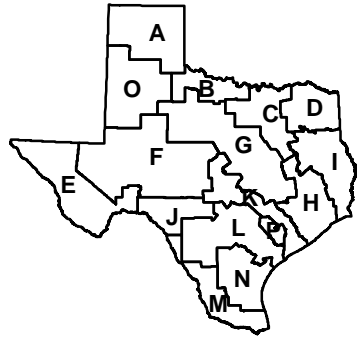


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Benzene

- Explanation**
- ◆ Benzene Detected > PCL
 - Benzene Detected
 - Benzene Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





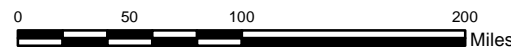
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
3,353	157	0	4.68%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
3,361	186	0	5.53%	0.00%	122

(Note: PCL for Toluene = 1000 ug/L)

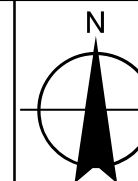


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Toluene

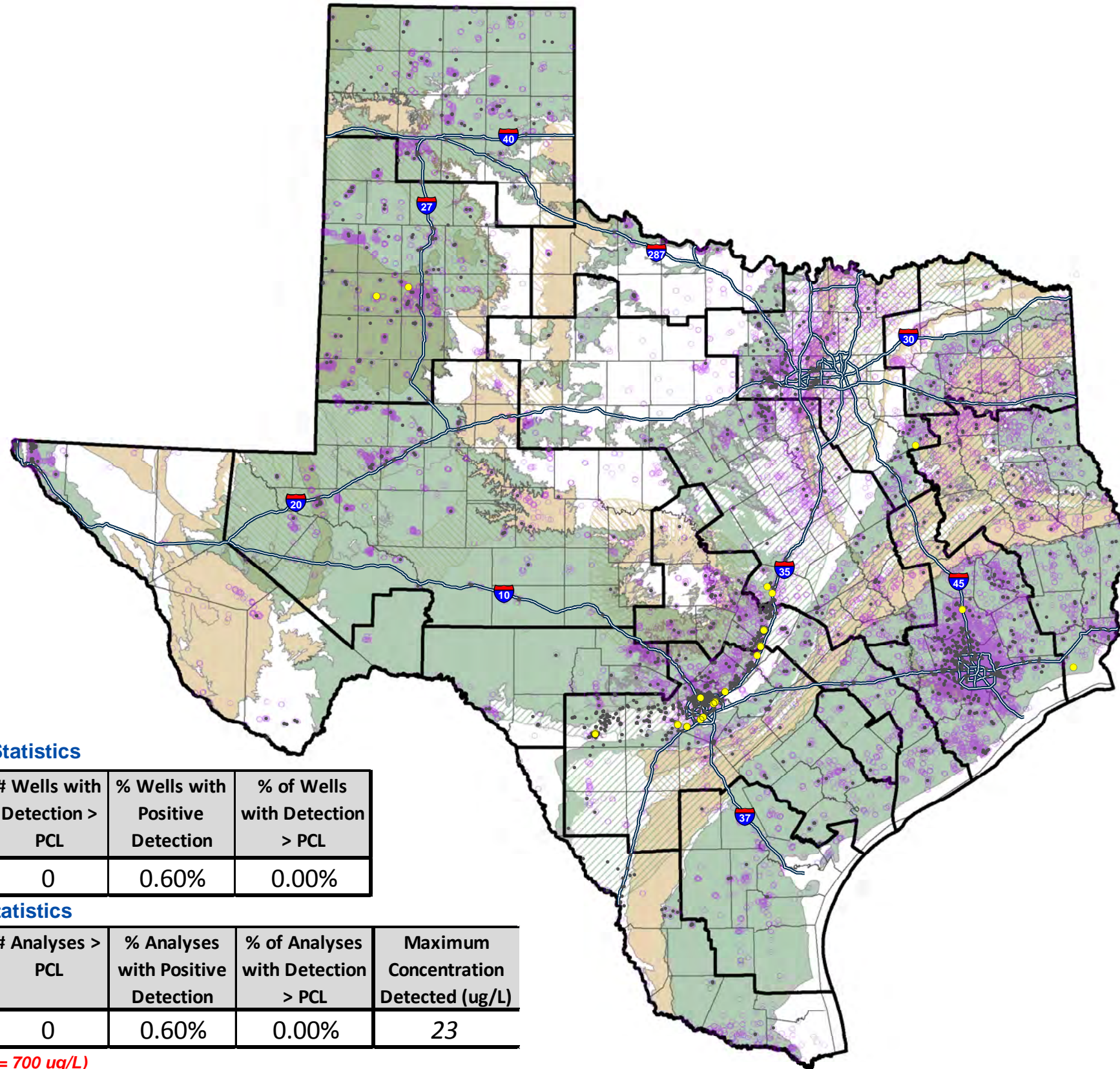
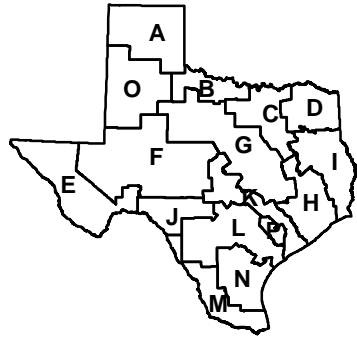
Explanation

- Toluene Detected
- Toluene Test Site
- PWS Location
- Interstate Hwy
- ▭ Regional Water Planning Groups
- Counties
- Major Aquifers**
- Outcrop
- ▨ Confined
- Minor Aquifers**
- Outcrop
- ▨ Confined



LBG-GUYTON ASSOCIATES

Plate 152



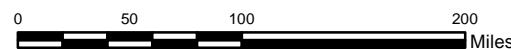
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
3,345	20	0	0.60%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
3,353	20	0	0.60%	0.00%	23

(Note: PCL for Ethylbenzene = 700 ug/L)

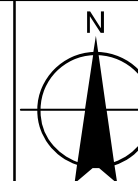


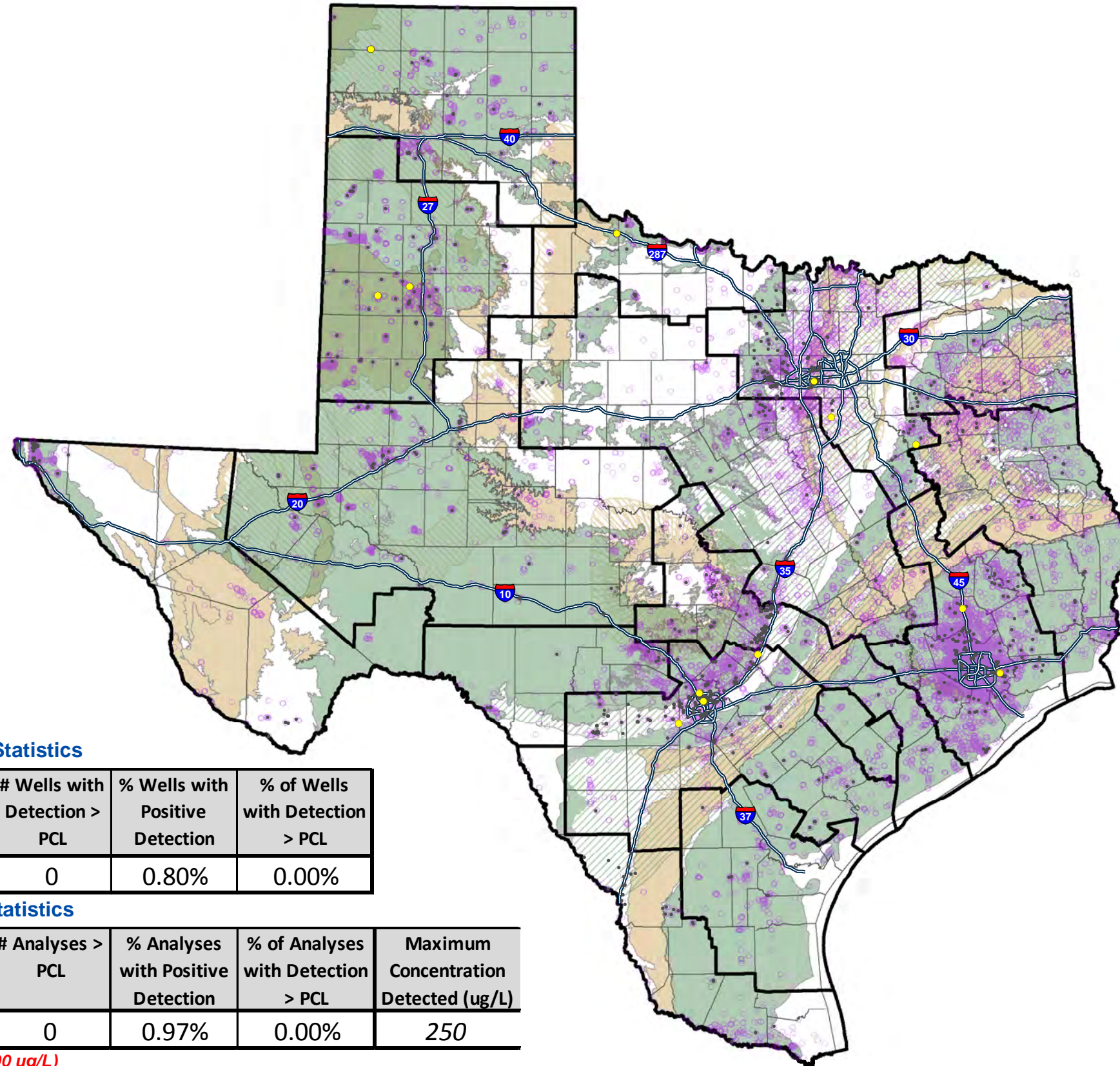
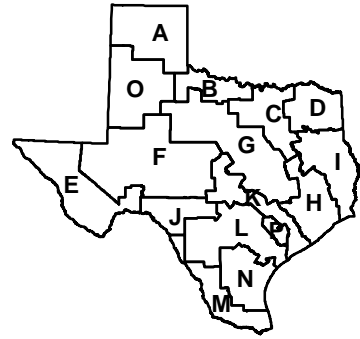
(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Ethylbenzene

Explanation

- Ethylbenzene Detected
- Ethylbenzene Test Site
- PWS Location
- Interstate Hwy
- ▭ Regional Water Planning Groups
- ▭ Counties
- Major Aquifers**
- Outcrop
- ▨ Confined
- Minor Aquifers**
- Outcrop
- ▨ Confined





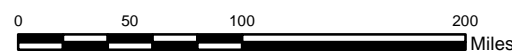
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,744	14	0	0.80%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,747	17	0	0.97%	0.00%	250

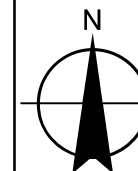
(Note: PCL for Xylene = 10,000 ug/L)

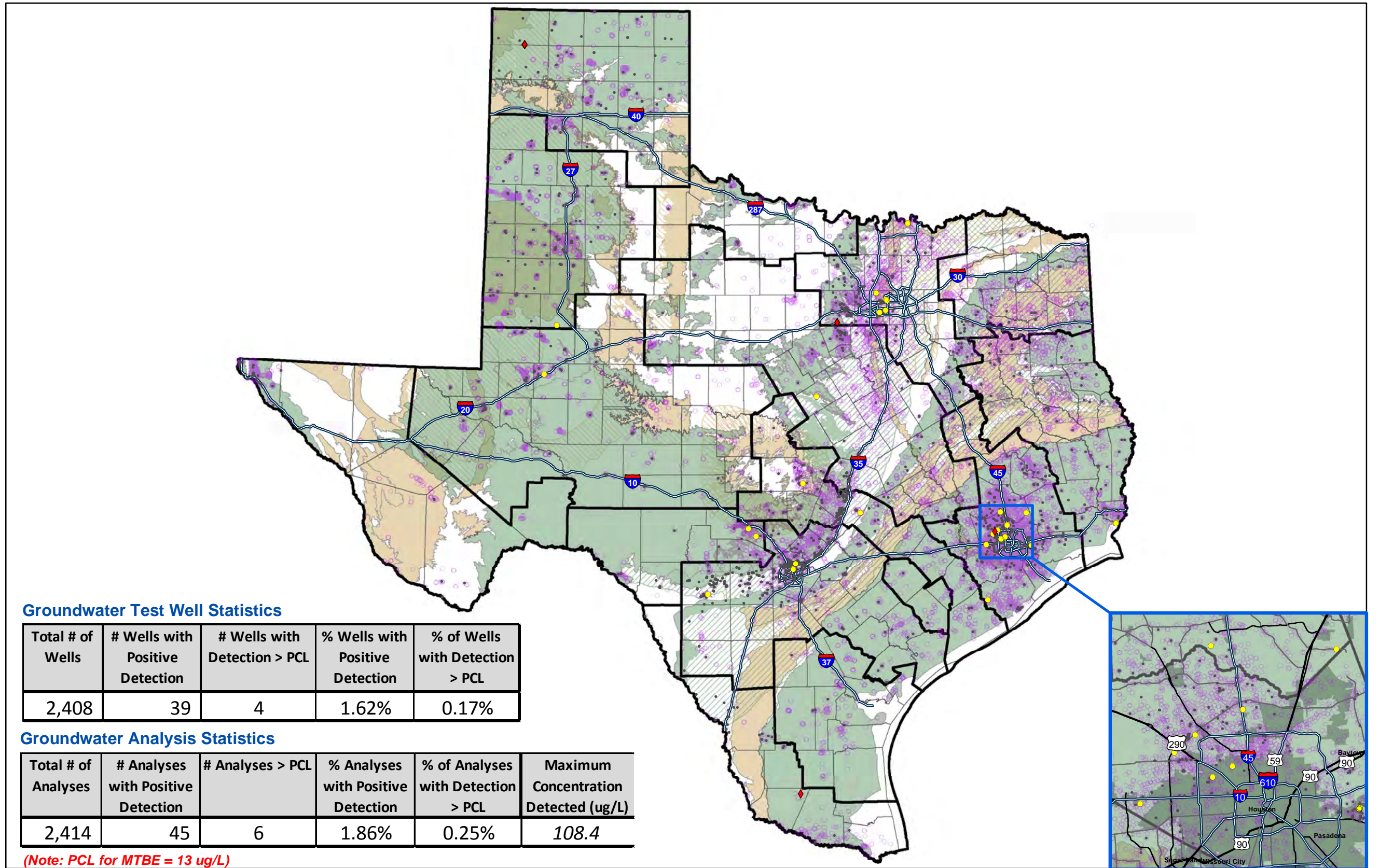
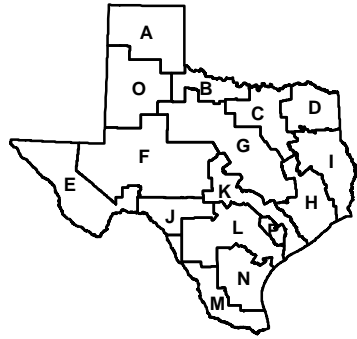


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Xylene

- Explanation**
- Xylene Detected
 - Xylene Test Site
 - Interstate Hwy
 - PWS Location
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





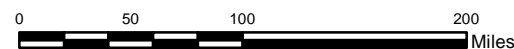
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
2,408	39	4	1.62%	0.17%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
2,414	45	6	1.86%	0.25%	108.4

(Note: PCL for MTBE = 13 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Methyl Tert-Butyl Ether (MTBE)

- Explanation**
- ◆ MTBE Detected > PCL
 - MTBE Detected
 - MTBE Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined

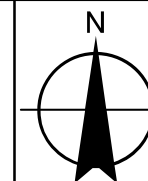
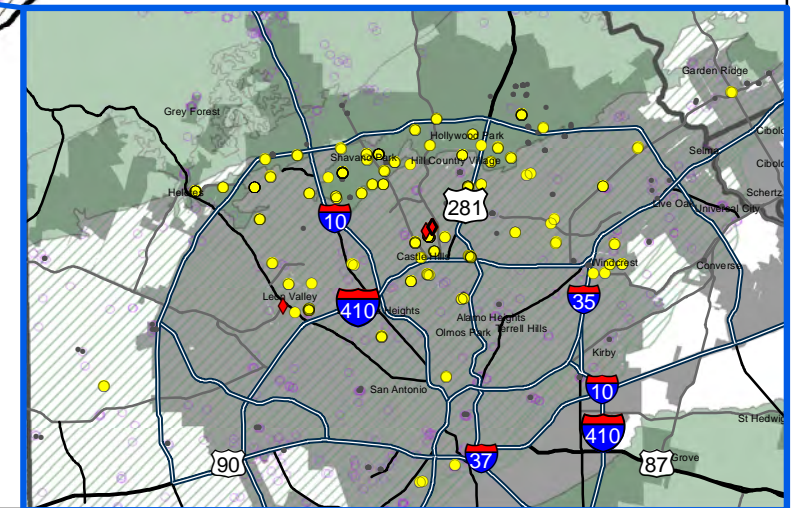
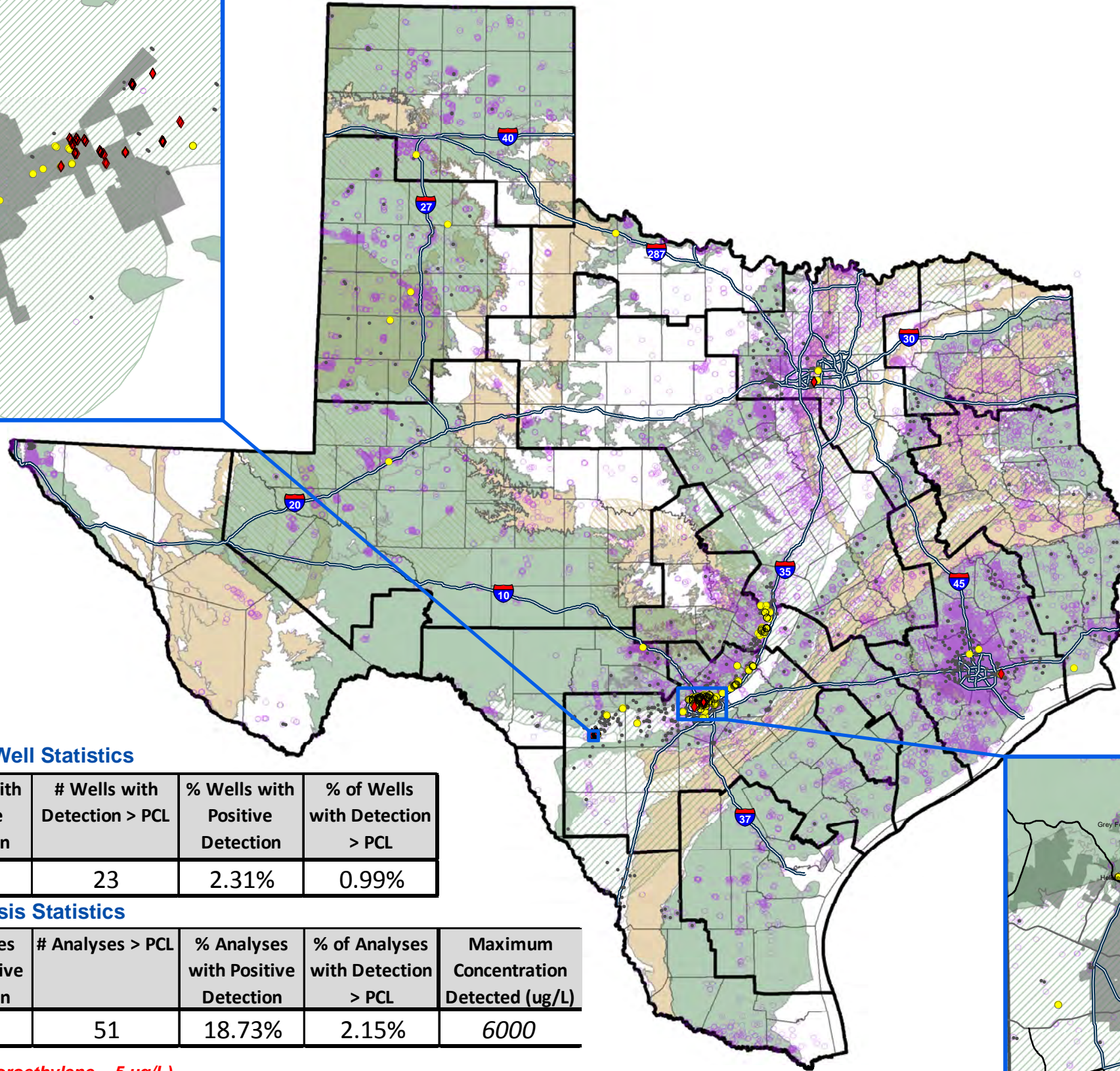
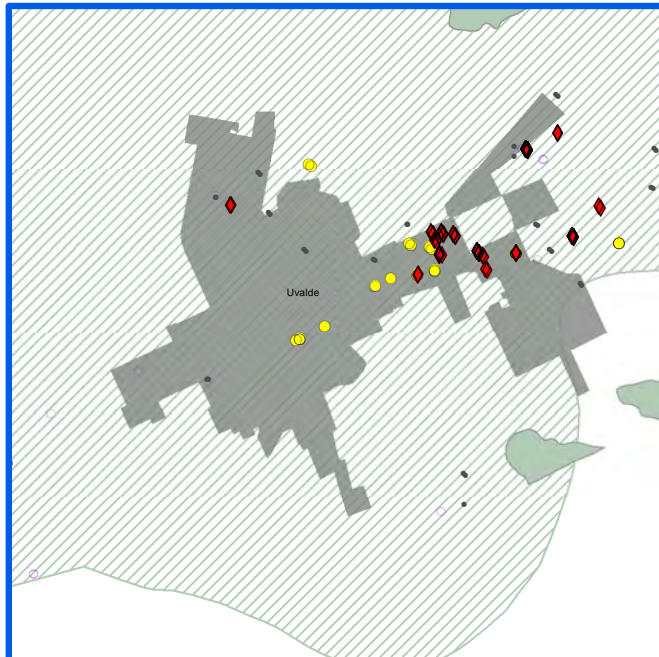
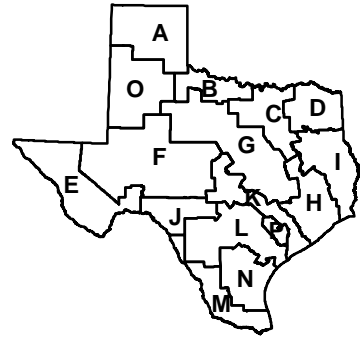


Plate 155



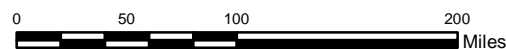
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
2,335	158	23	2.31%	0.99%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
2,376	445	51	18.73%	2.15%	6000

(Note: PCL for Tetrachloroethylene = 5 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Tetrachloroethylene (PCE)

- Explanation**
- ◆ PCE Detected > PCL
 - PCE Detected
 - PCE Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined

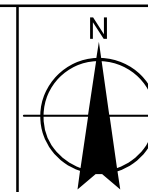
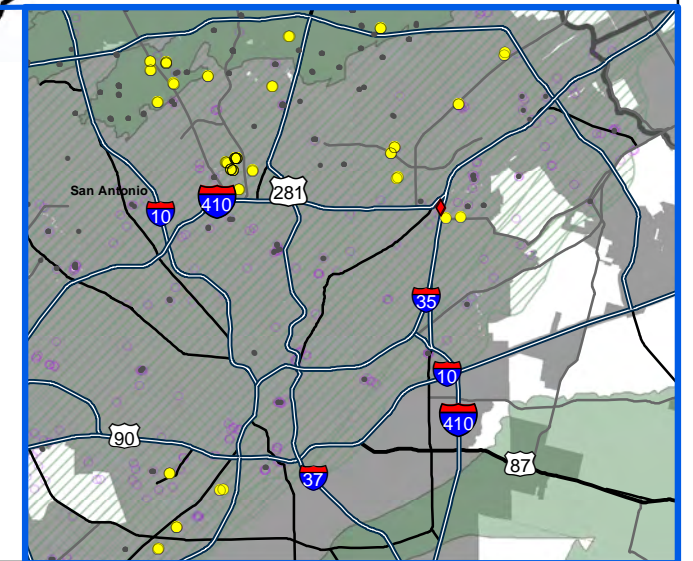
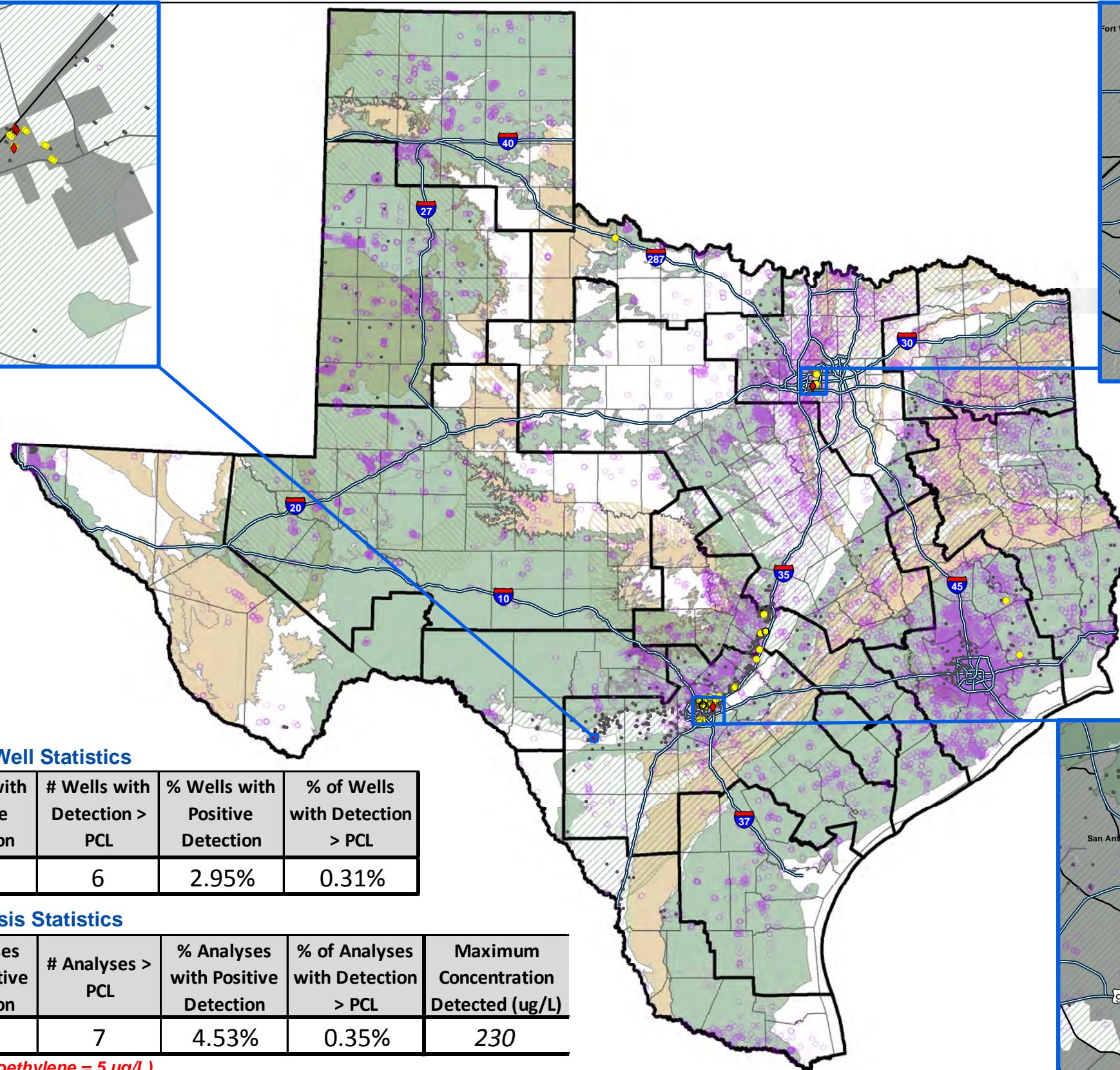
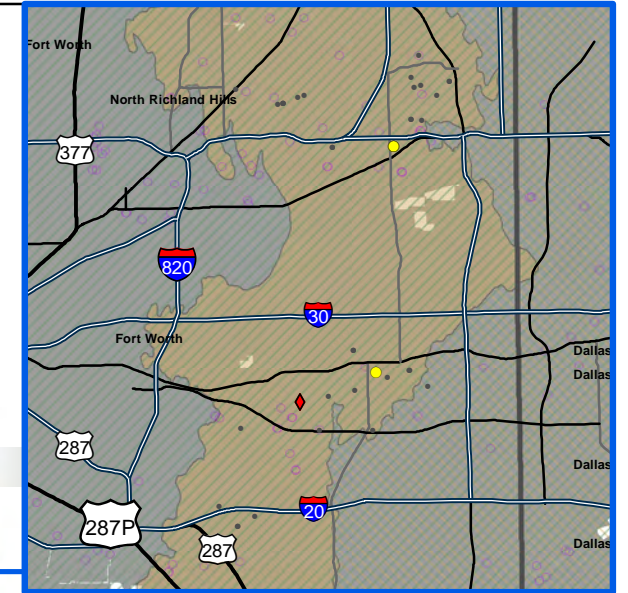
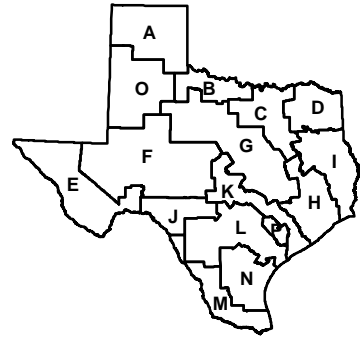


Plate 156



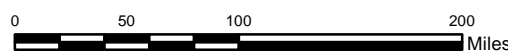
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,963	58	6	2.95%	0.31%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,988	90	7	4.53%	0.35%	230

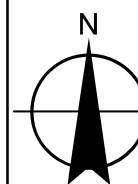
(Note: PCL for Trichloroethylene = 5 ug/L)

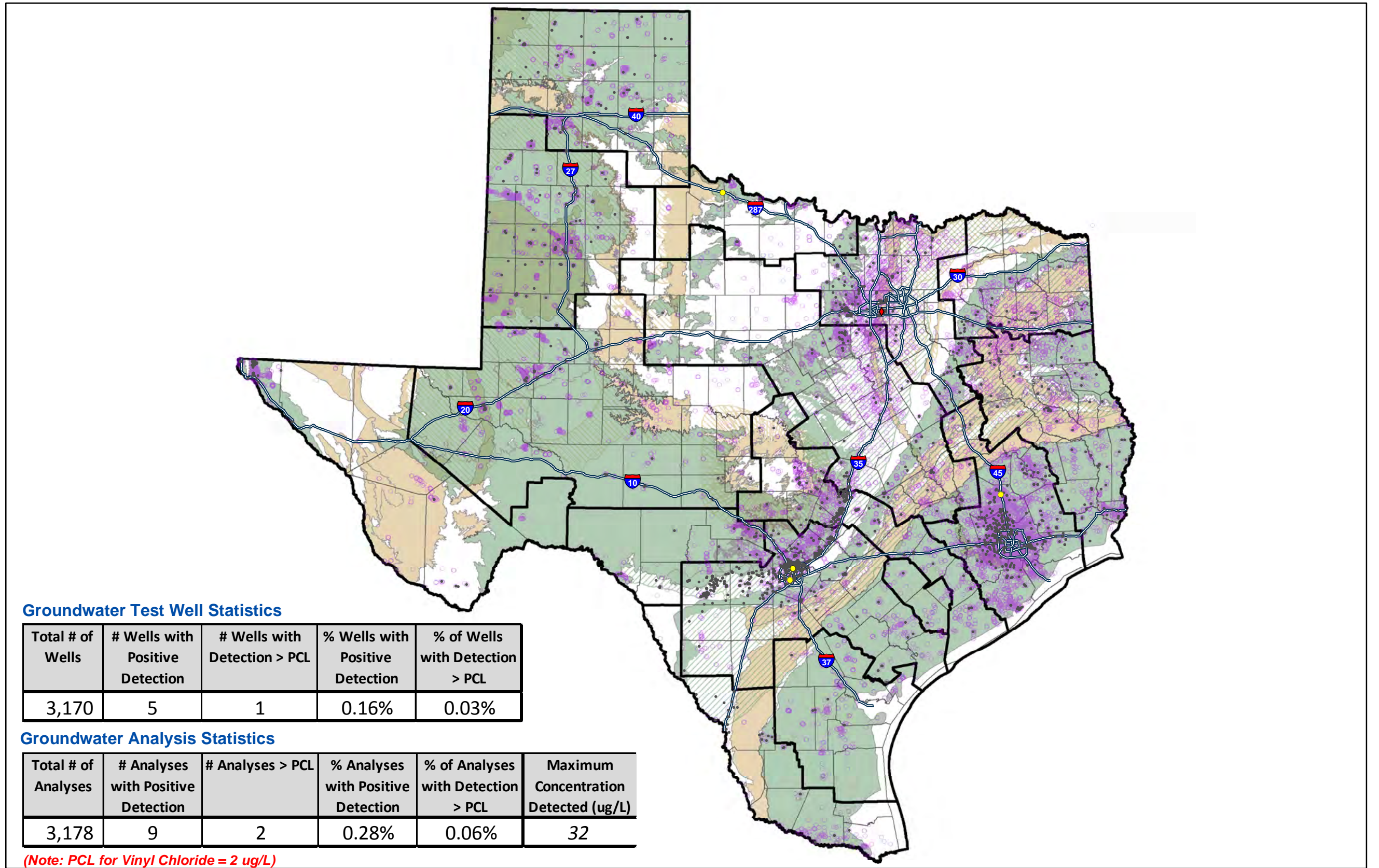
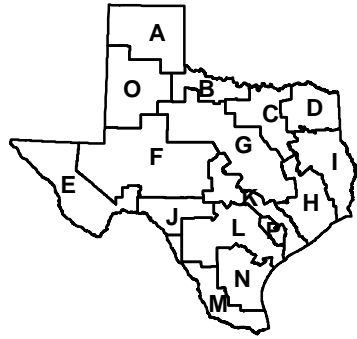


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Trichloroethylene (TCE)

- Explanation**
- ◆ TCE Detected > PCL
 - TCE Detected
 - TCE Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - Confined
 - Minor Aquifers**
 - Outcrop
 - Confined





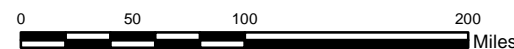
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
3,170	5	1	0.16%	0.03%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
3,178	9	2	0.28%	0.06%	32

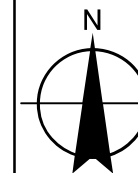
(Note: PCL for Vinyl Chloride = 2 ug/L)

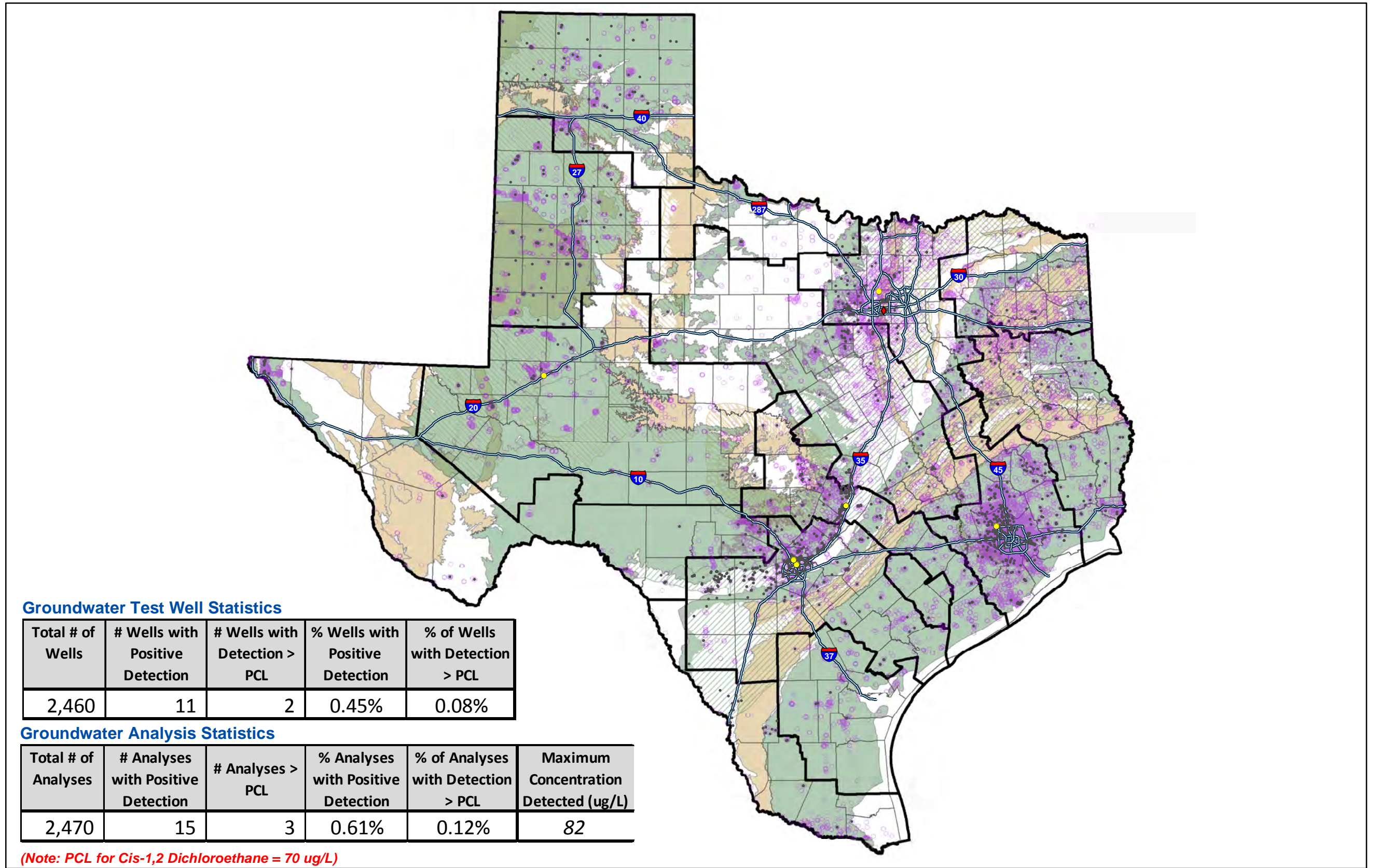
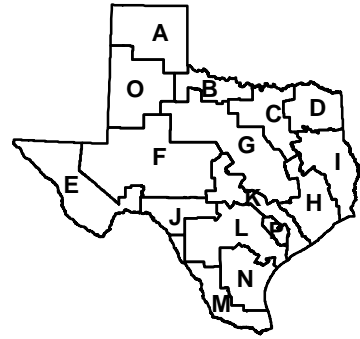


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Vinyl Chloride

- Explanation**
- ◆ Vinyl Chloride Detected > PCL
 - Vinyl Chloride Detected
 - Vinyl Chloride Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - Confined
 - Minor Aquifers**
 - Outcrop
 - Confined





Groundwater Test Well Statistics

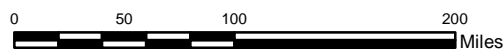
Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
2,460	11	2	0.45%	0.08%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
2,470	15	3	0.61%	0.12%	82

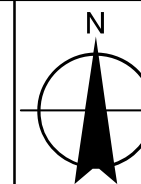
(Note: PCL for Cis-1,2 Dichloroethane = 70 ug/L)

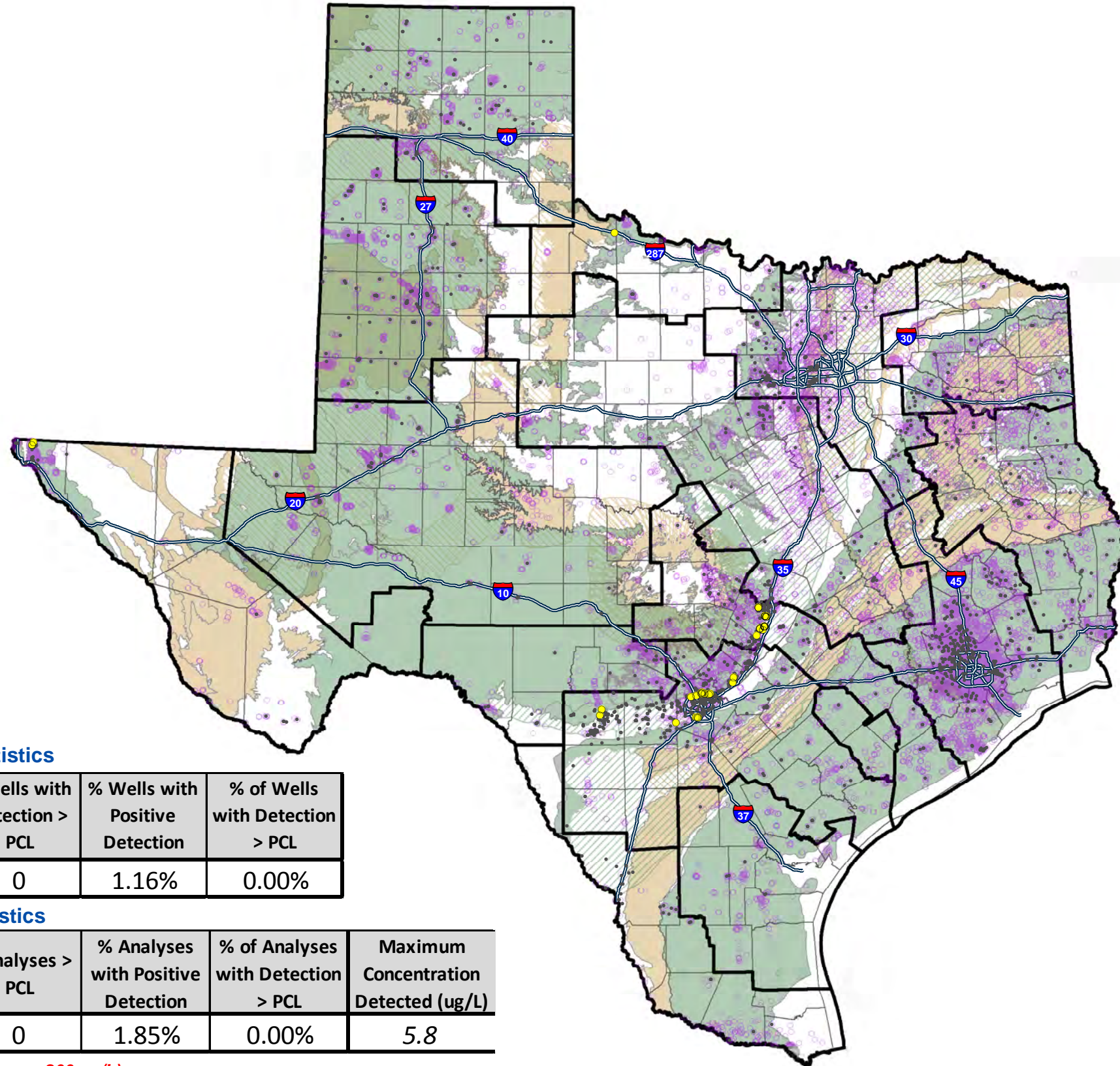
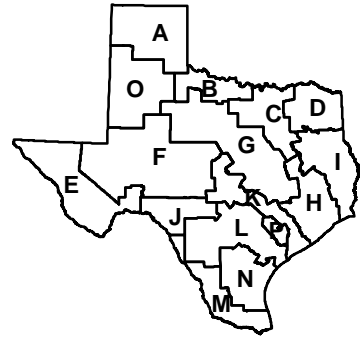
(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)



Groundwater Quality Data - cis-1,2 DCE

- Explanation**
- ◆ Cis-1,2 Dichloroethene Detected > PCL
 - Cis-1,2 Dichloroethene Detected
 - Cis-1,2 Dichloroethene Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





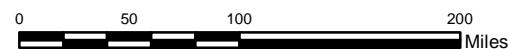
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
3,181	37	0	1.16%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
3,190	59	0	1.85%	0.00%	5.8

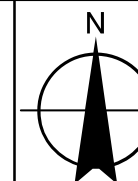
(Note: PCL for 1,1,1-Trichloroethane = 200 ug/L)

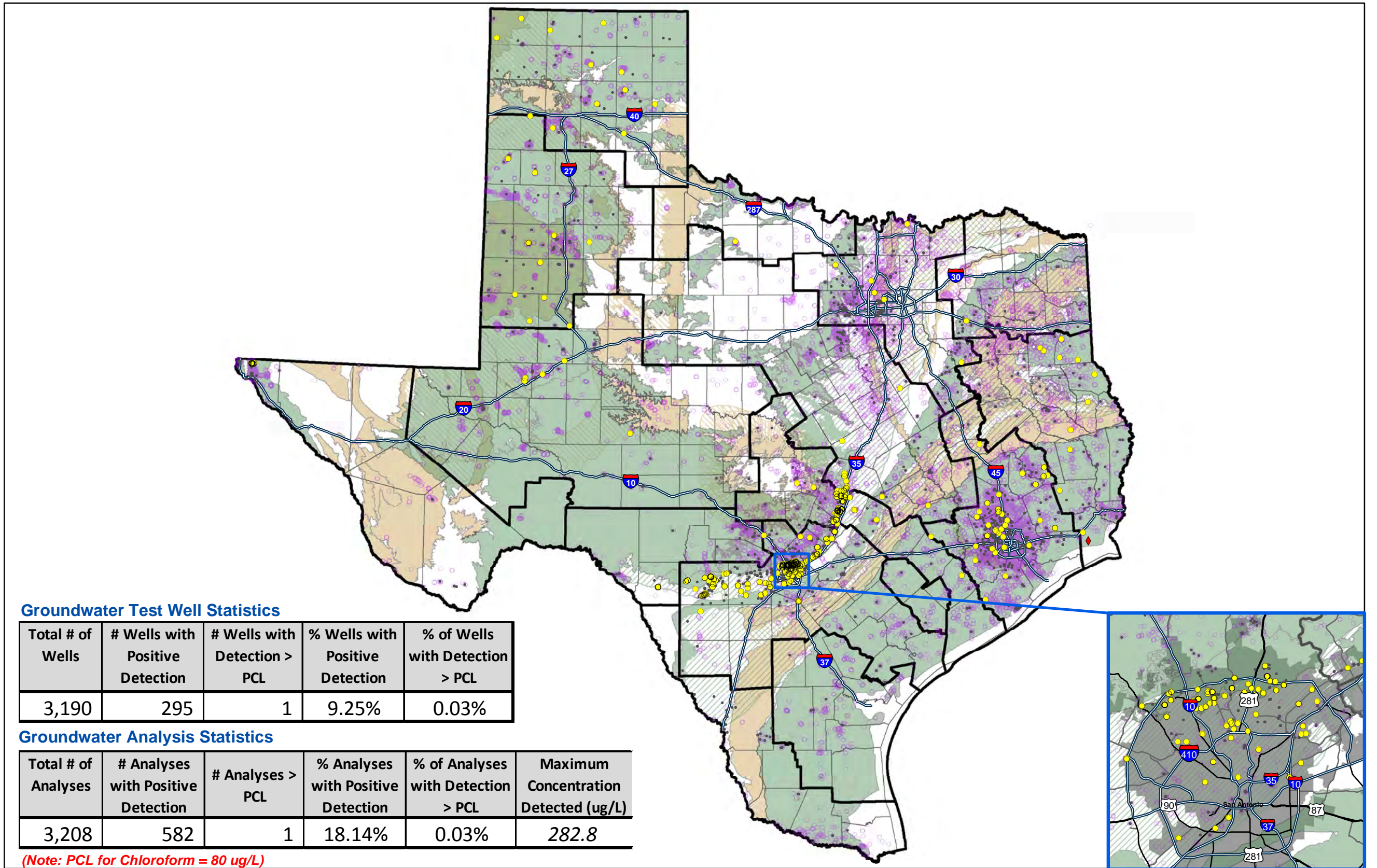
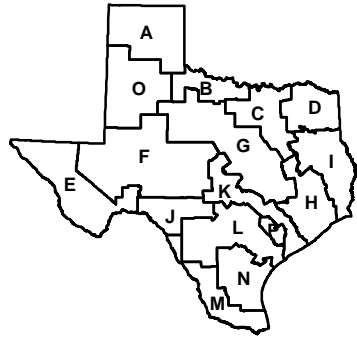


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - 1,1,1-TCA

- Explanation**
- 1,1,1-Trichloroethane Detected
 - 1,1,1-Trichloroethane Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





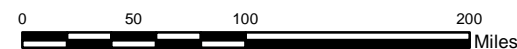
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
3,190	295	1	9.25%	0.03%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
3,208	582	1	18.14%	0.03%	282.8

(Note: PCL for Chloroform = 80 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Chloroform

- Explanation**
- ◆ Chloroform Detected > PCL
 - Chloroform Detected
 - Chloroform Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined

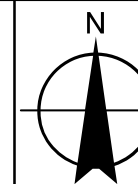
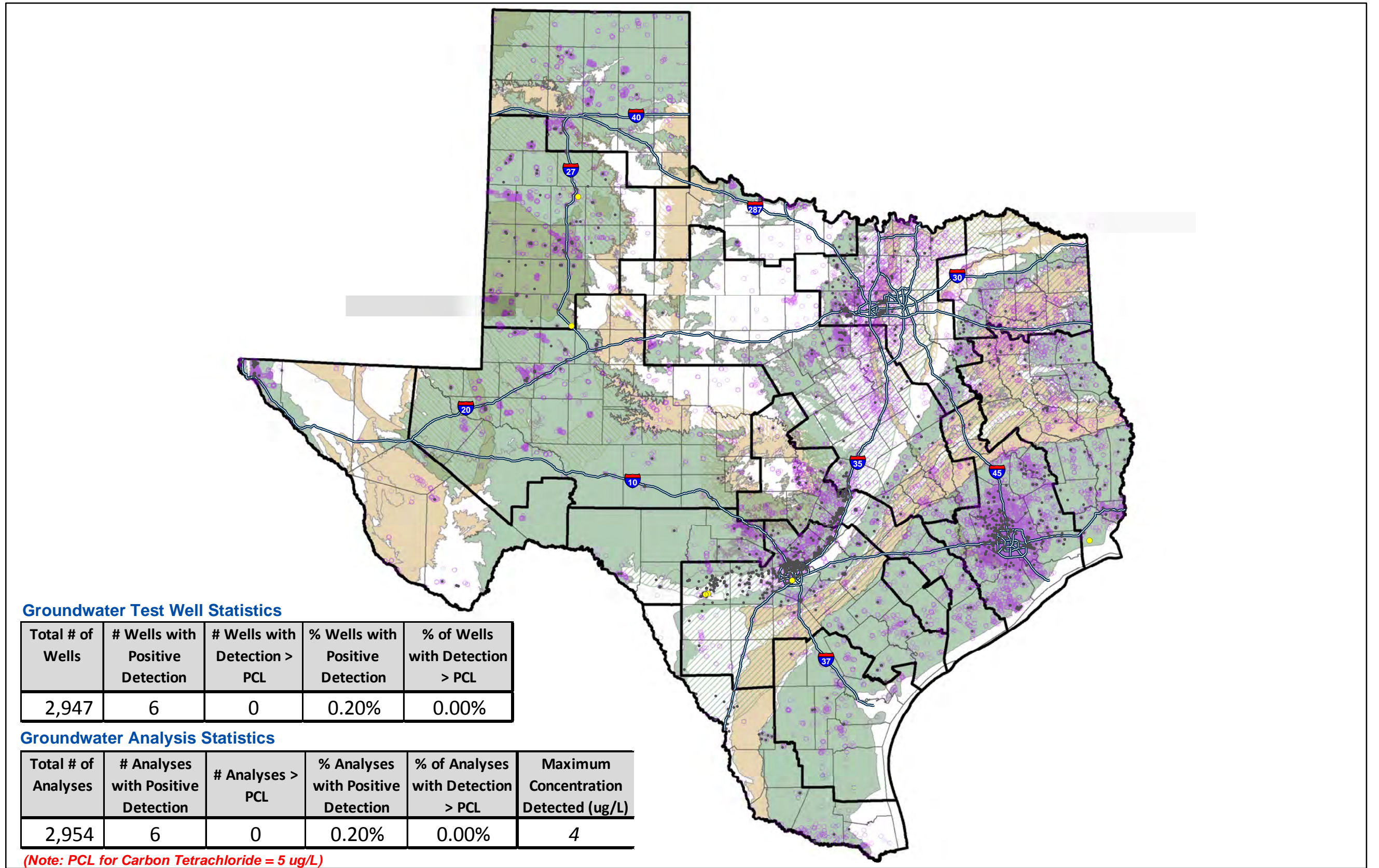
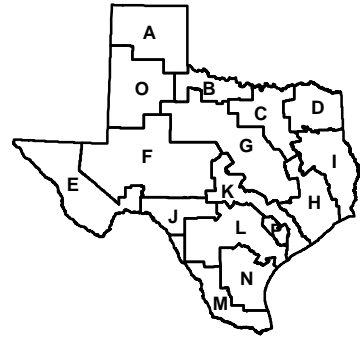


Plate 161



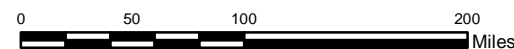
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
2,947	6	0	0.20%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
2,954	6	0	0.20%	0.00%	4

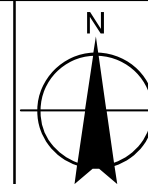
(Note: PCL for Carbon Tetrachloride = 5 ug/L)

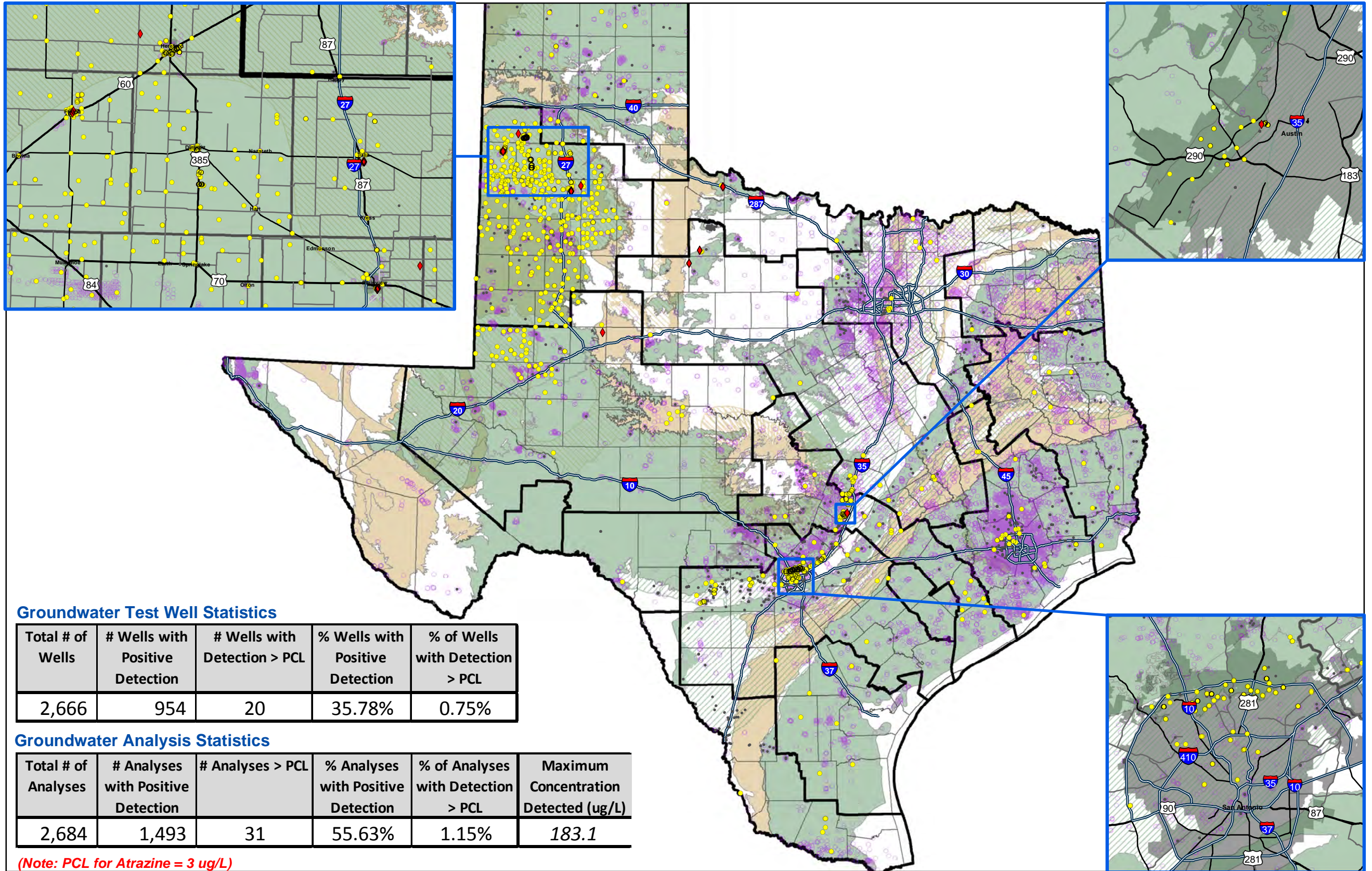
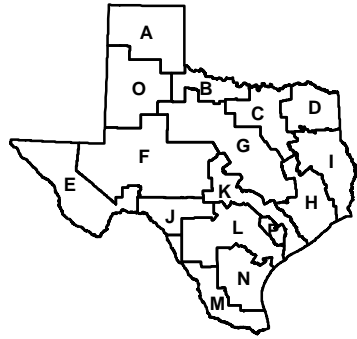


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Carbon Tetrachloride

- Explanation**
- Carbon Tetrachloride Detected
 - Carbon Tetrachloride Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined





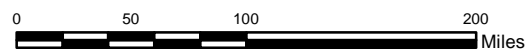
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
2,666	954	20	35.78%	0.75%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
2,684	1,493	31	55.63%	1.15%	183.1

(Note: PCL for Atrazine = 3 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Atrazine

- Explanation**
- ◆ Atrazine Detected > PCL
 - Atrazine Detected
 - Atrazine Test Sites
 - Interstate Hwy
 - PWS Location
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined

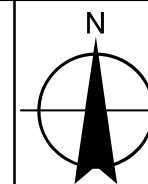
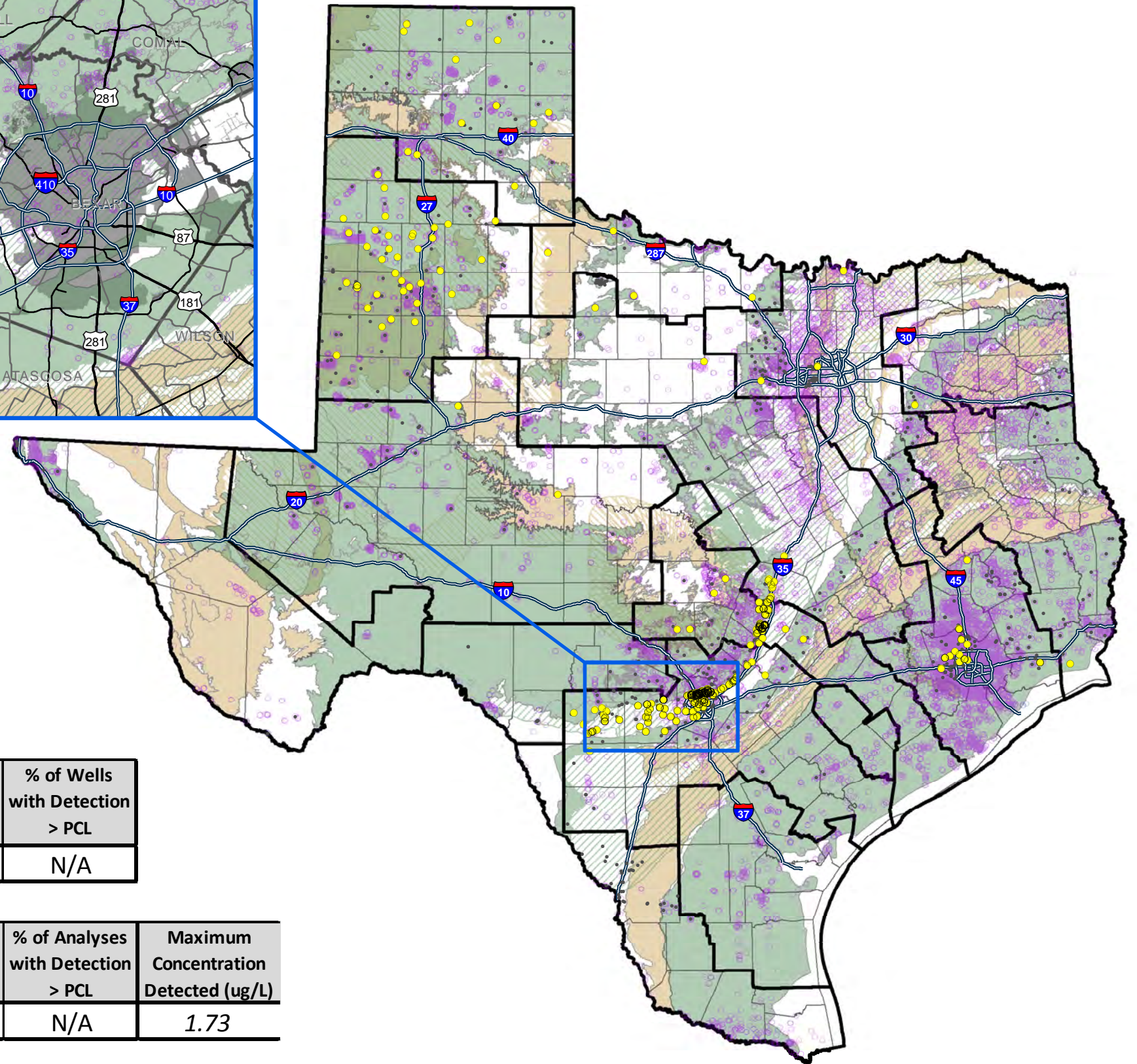
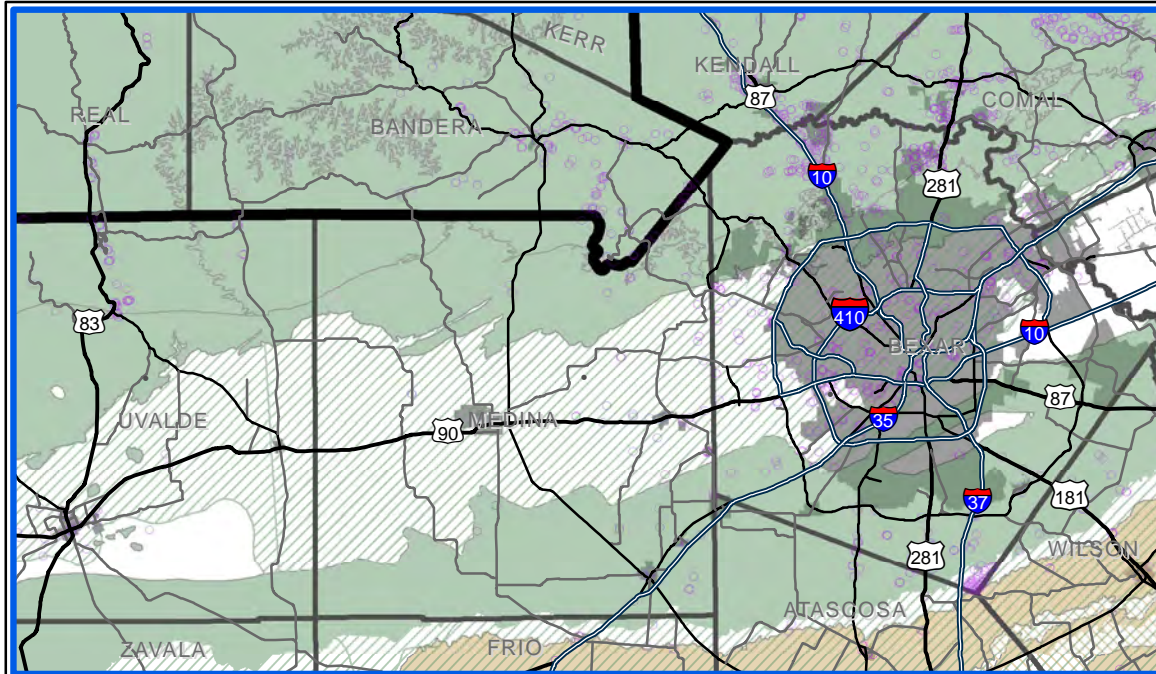
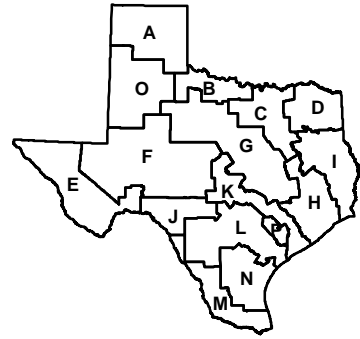


Plate 163



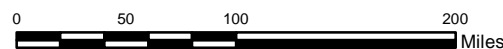
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,229	224	N/A	18.23%	N/A

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,243	494	N/A	39.74%	N/A	1.73

(Note: PCL for De-Ethylatrazine not established)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Deethylatrazine

- Explanation**
- De-Ethylatrazine Detected
 - De-Ethylatrazine Test Site
 - Interstate Hwy
 - PWS Location
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined

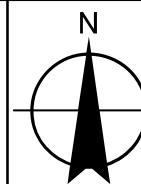
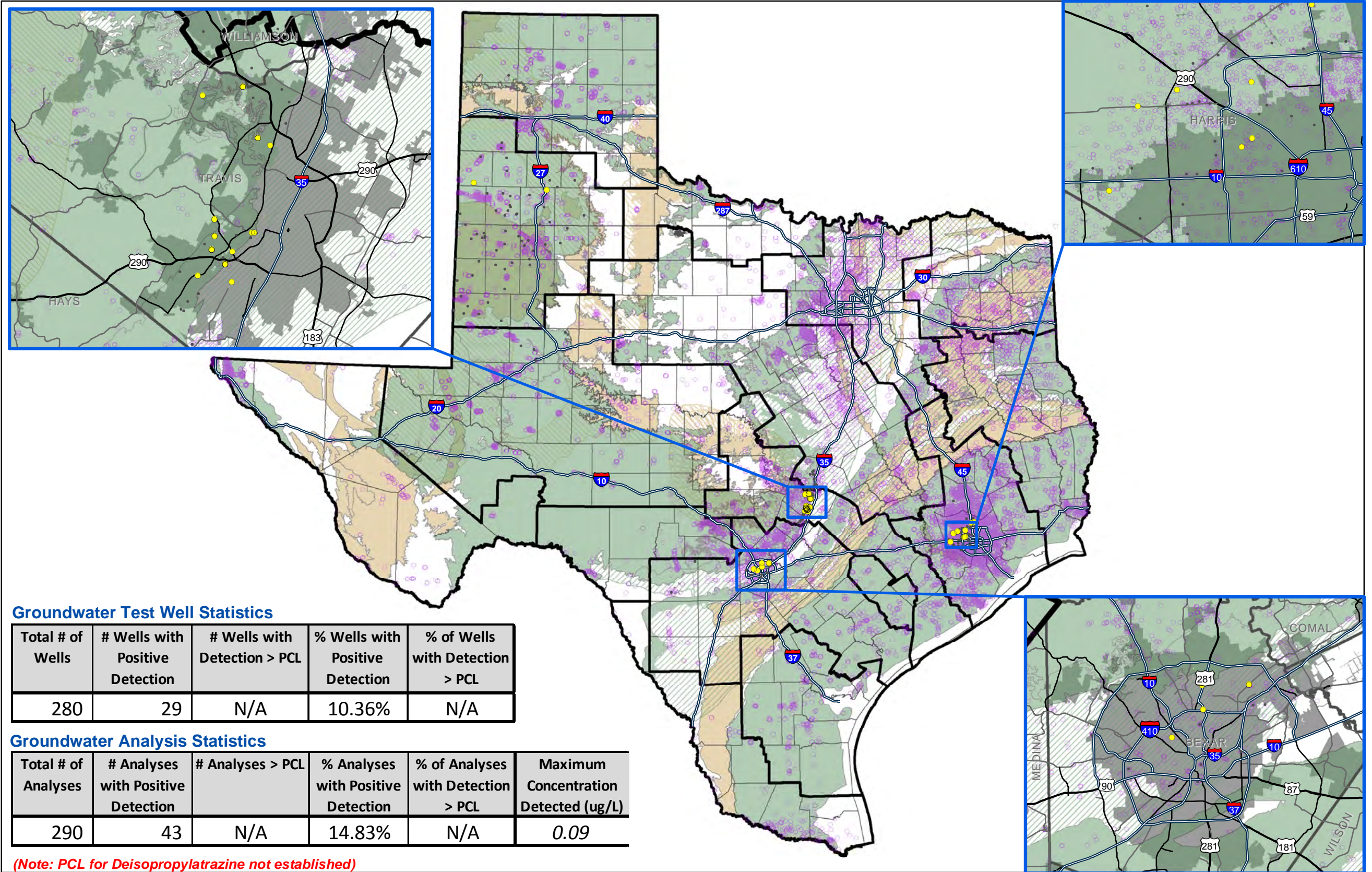
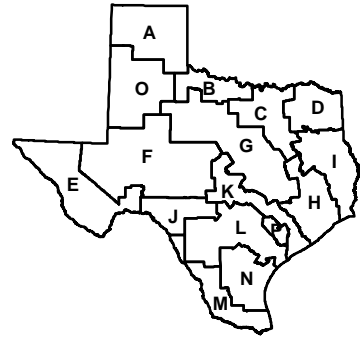


Plate 164



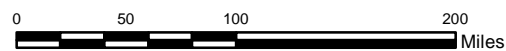
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
280	29	N/A	10.36%	N/A

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
290	43	N/A	14.83%	N/A	0.09

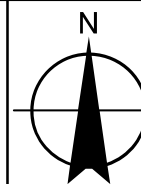
(Note: PCL for Deisopropylatrazine not established)

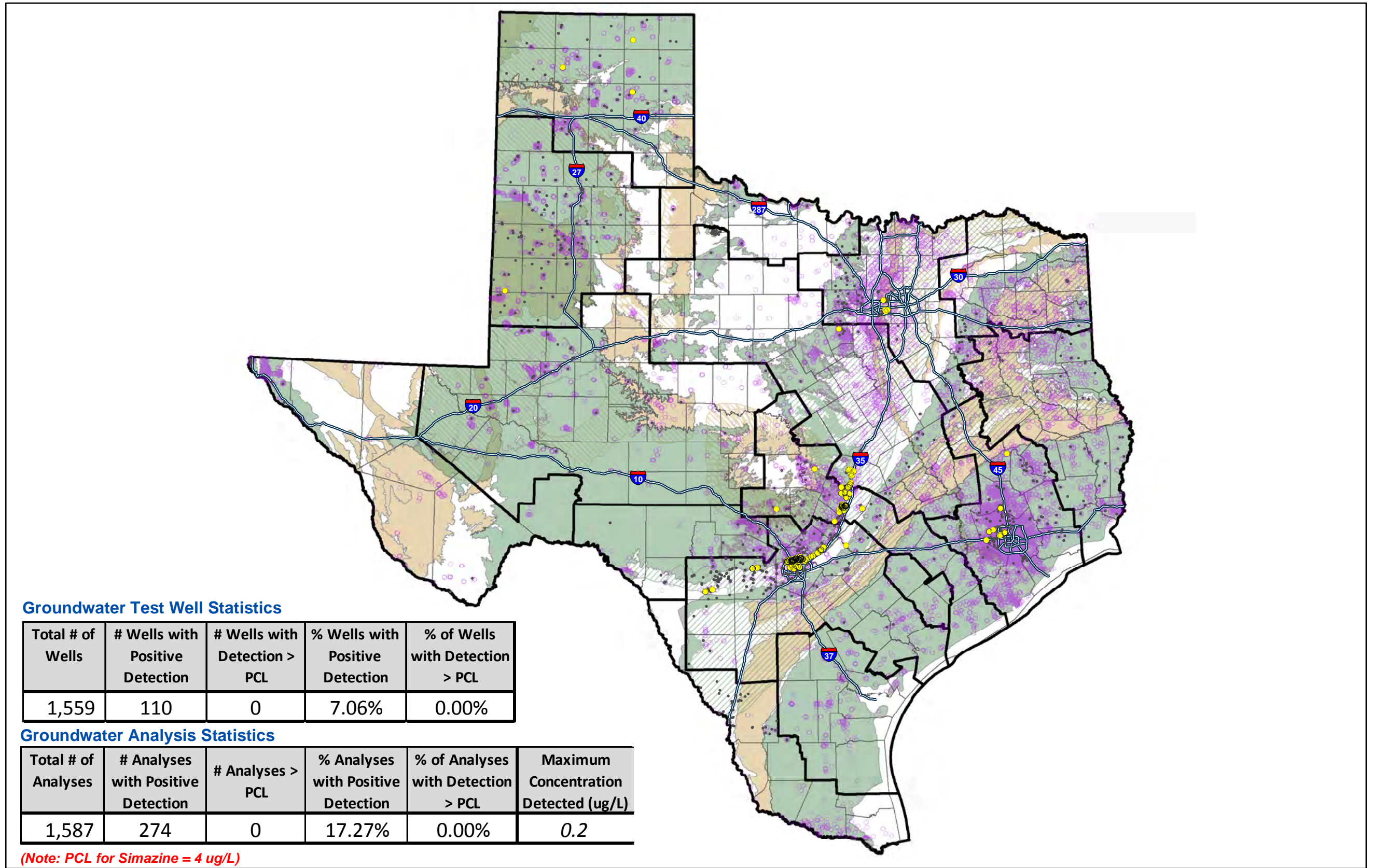
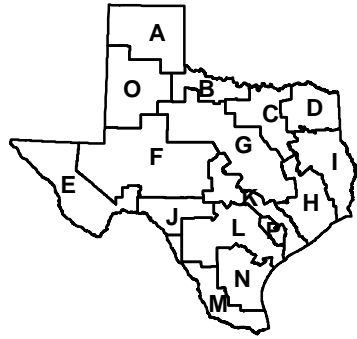


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Deisopropylatrazine

- Explanation**
- Deisopropylatrazine Detected
 - Deisopropylatrazine Test Site
 - Interstate Hwy
 - PWS Location
 - ▭ Regional Water Planning Groups
 - ▭ Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined





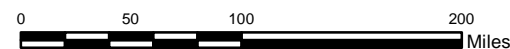
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,559	110	0	7.06%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,587	274	0	17.27%	0.00%	0.2

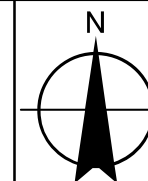
(Note: PCL for Simazine = 4 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

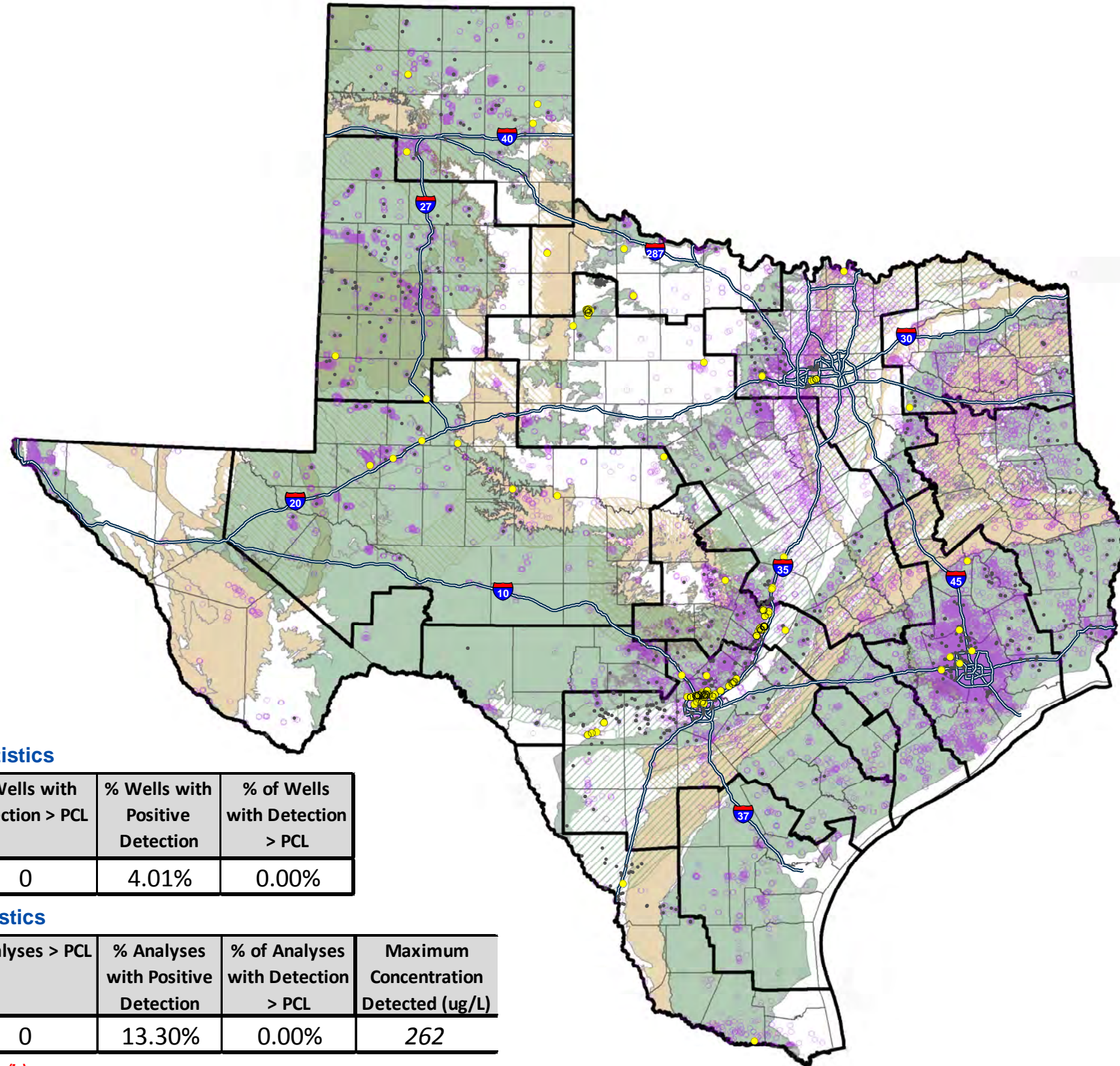
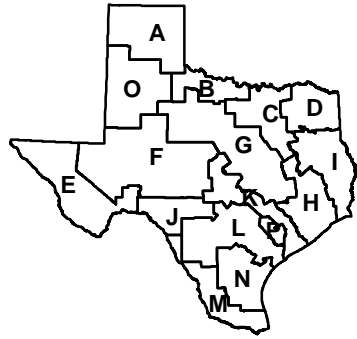
Groundwater Quality Data - Simazine

- Explanation**
- Simazine Detected
 - Simazine Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined



LBG-GUYTON ASSOCIATES

Plate 166



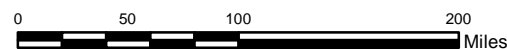
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,346	108	0	4.01%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,391	185	0	13.30%	0.00%	262

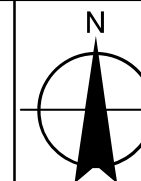
(Note: PCL for Prometon = 400 ug/L)

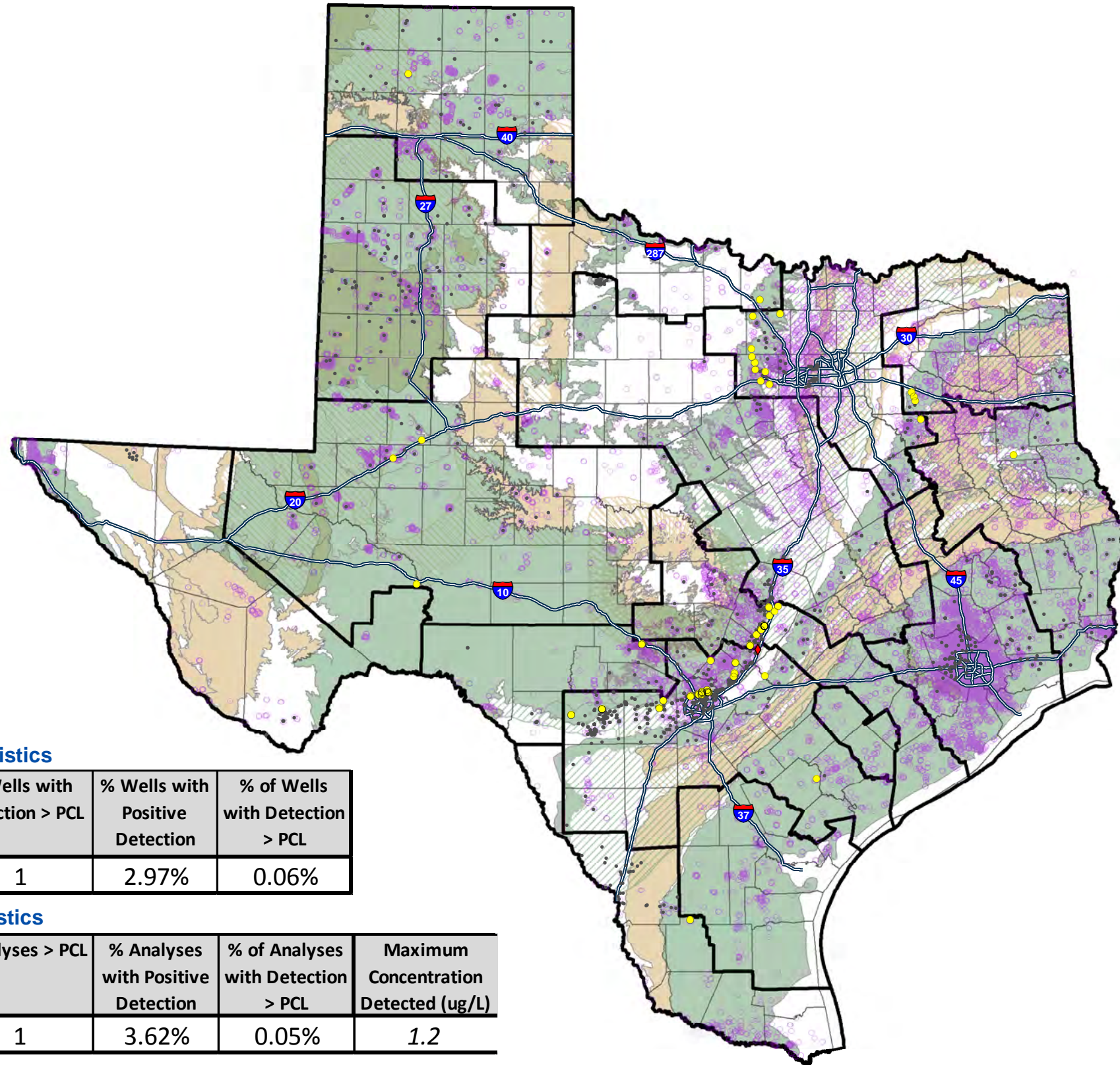
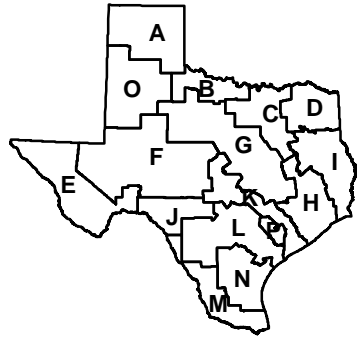


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Prometon

- Explanation**
- Prometon Detected
 - Prometon Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





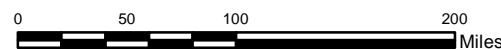
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,782	53	1	2.97%	0.06%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,821	66	1	3.62%	0.05%	1.2

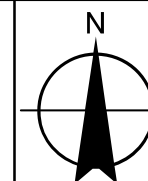
(Note: PCL for Diazinon = 1 ug/L)

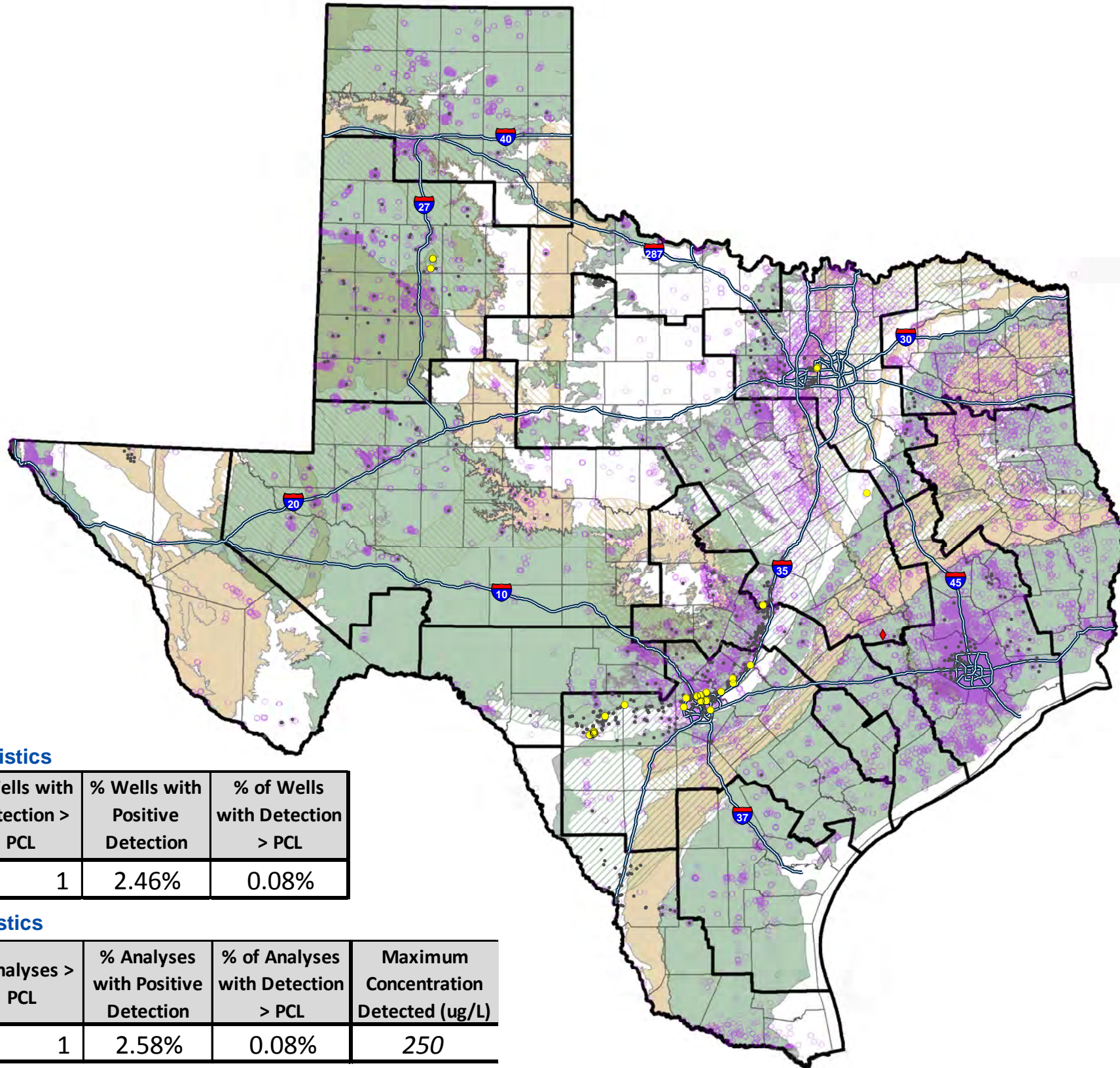
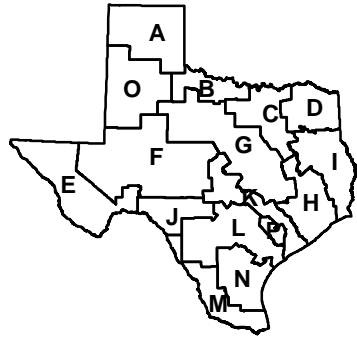


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Diazinon

- Explanation**
- ◆ Diazinon Detected > PCL
 - Diazinon Detected
 - Diazinon Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





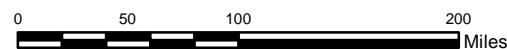
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,262	31	1	2.46%	0.08%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,280	33	1	2.58%	0.08%	250

(Note: PCL for 2,4-D = 70 ug/L)

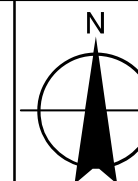


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - 2,4-D

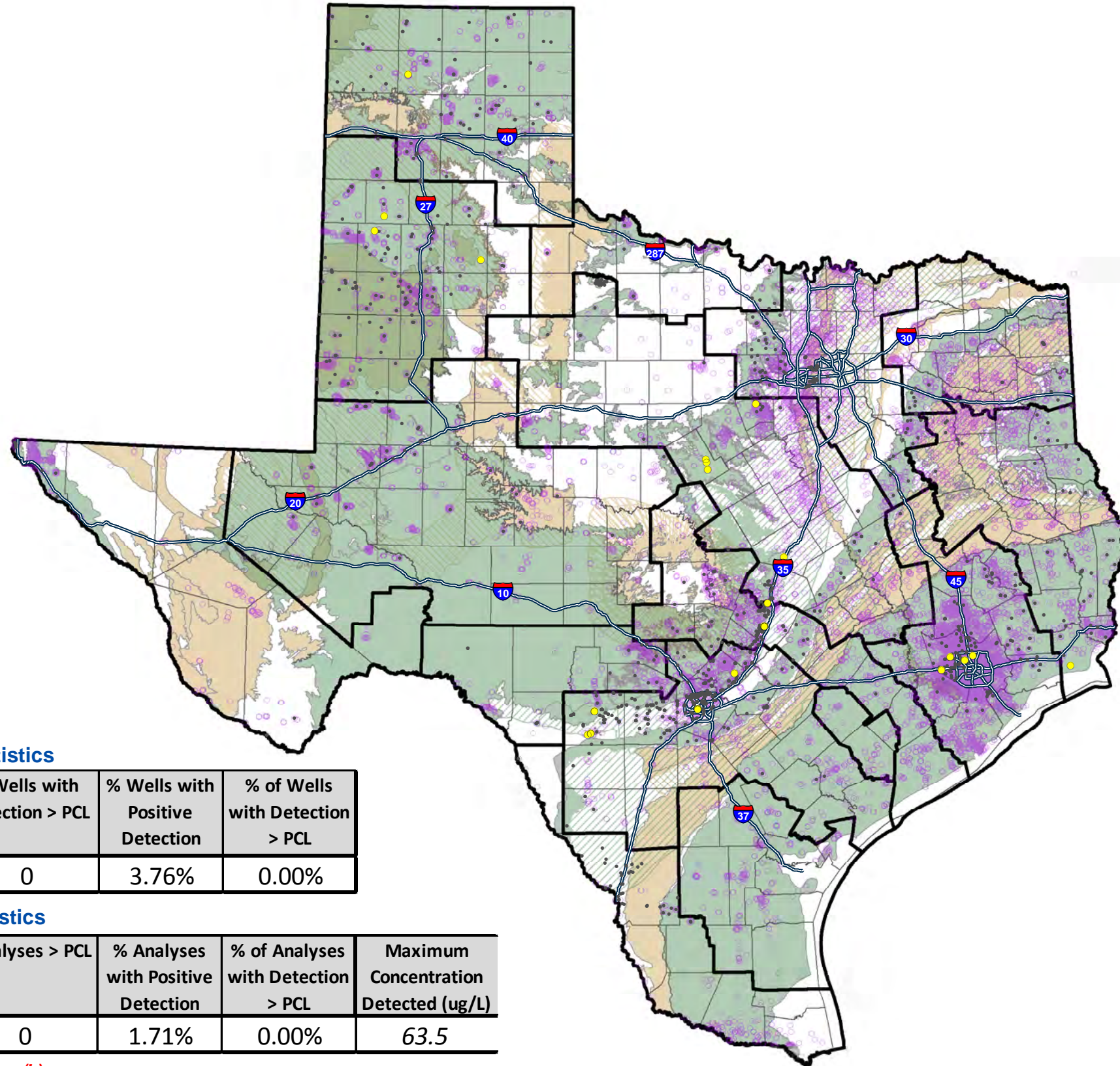
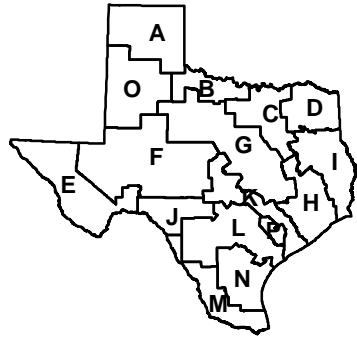
Explanation

- ◆ 2,4-D Detected > PCL
- 2,4-D Detected
- 2,4-D Test Sites
- PWS Location
- Interstate Hwy
- ▭ Regional Water Planning Groups
- ▭ Counties
- Major Aquifers**
- Outcrop
- ▨ Confined
- Minor Aquifers**
- Outcrop
- ▨ Confined



LBG-GUYTON ASSOCIATES

Plate 169



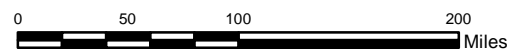
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,437	24	0	3.76%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,465	25	0	1.71%	0.00%	63.5

(Note: PCL for Metolachlor = 700 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Metolachlor

- Explanation**
- Metolachlor Detected
 - Metolachlor Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined

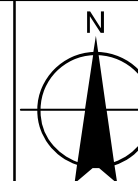
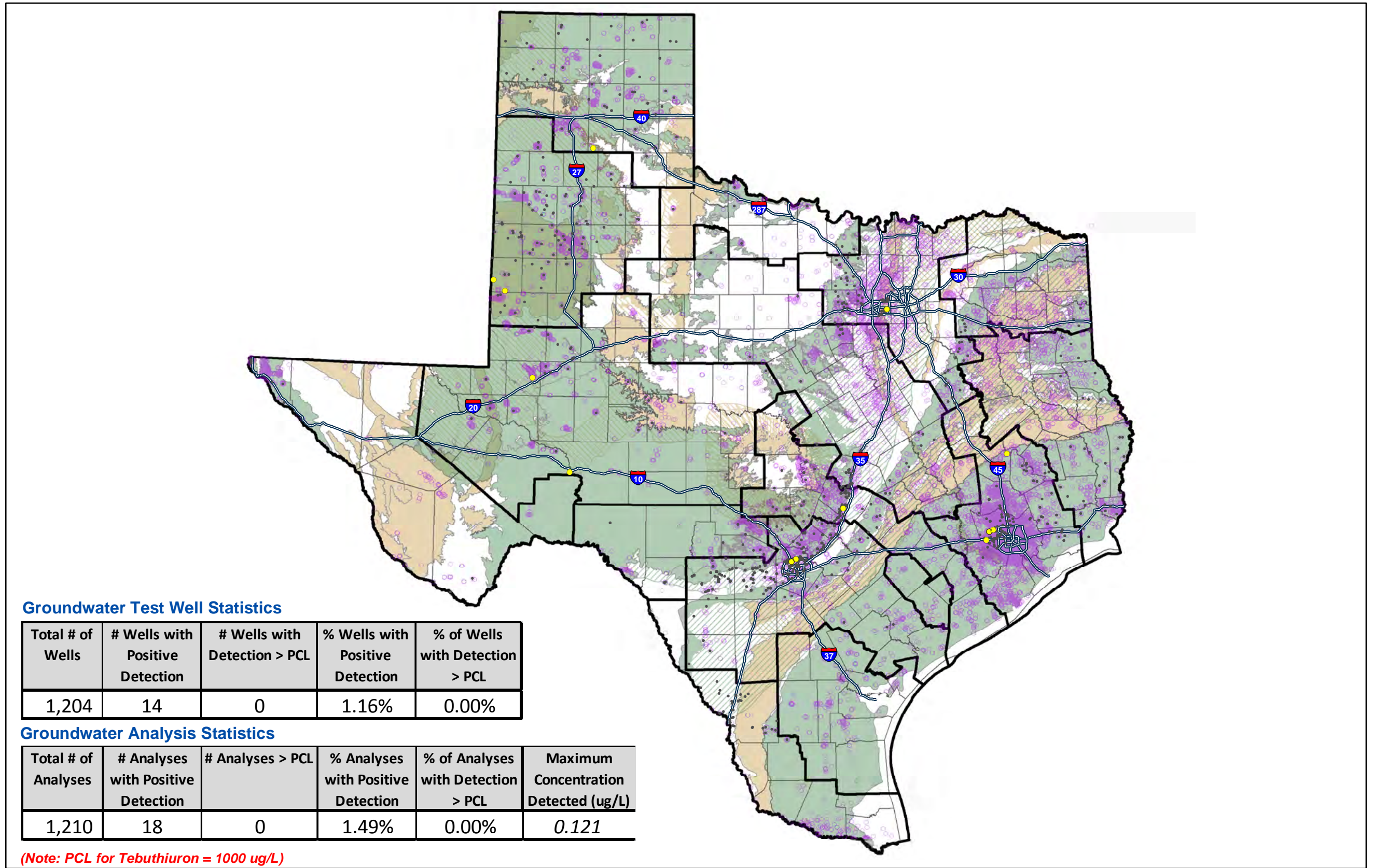
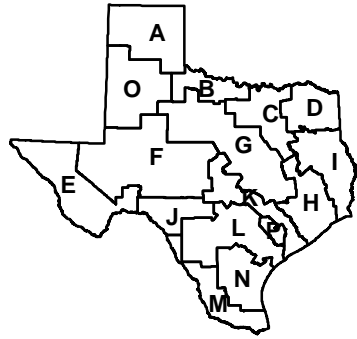


Plate 170



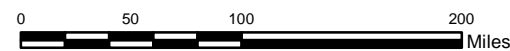
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,204	14	0	1.16%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,210	18	0	1.49%	0.00%	0.121

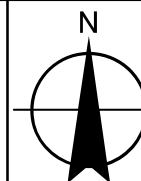
(Note: PCL for Tebuthiuron = 1000 ug/L)

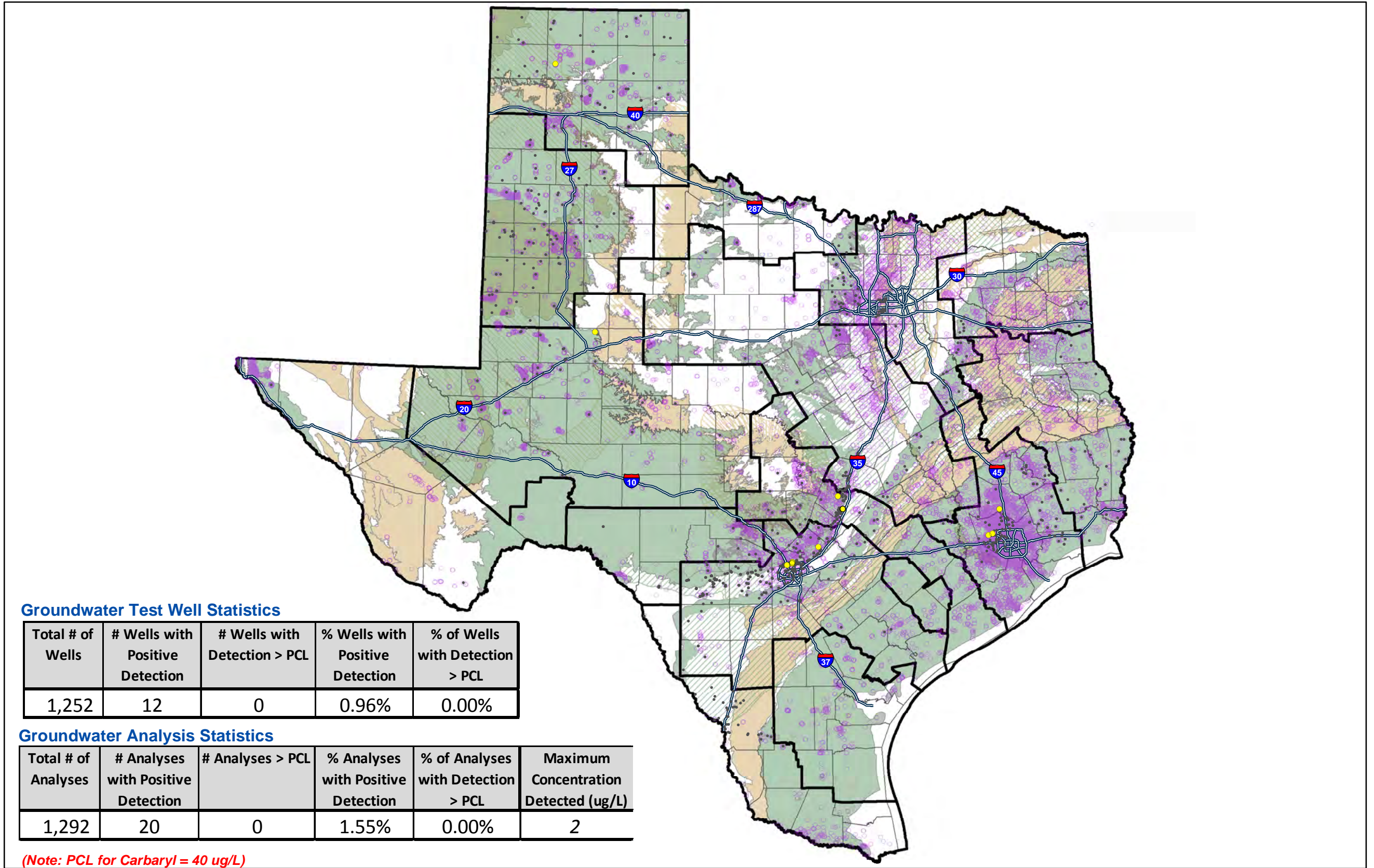
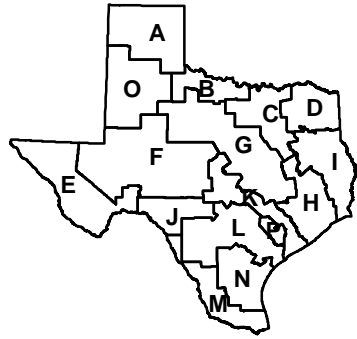


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Tebuthiuron

- Explanation**
- Tebuthiuron Detected
 - Tebuthiuron Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





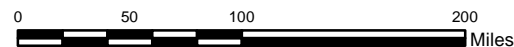
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,252	12	0	0.96%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,292	20	0	1.55%	0.00%	2

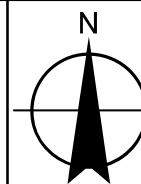
(Note: PCL for Carbaryl = 40 ug/L)

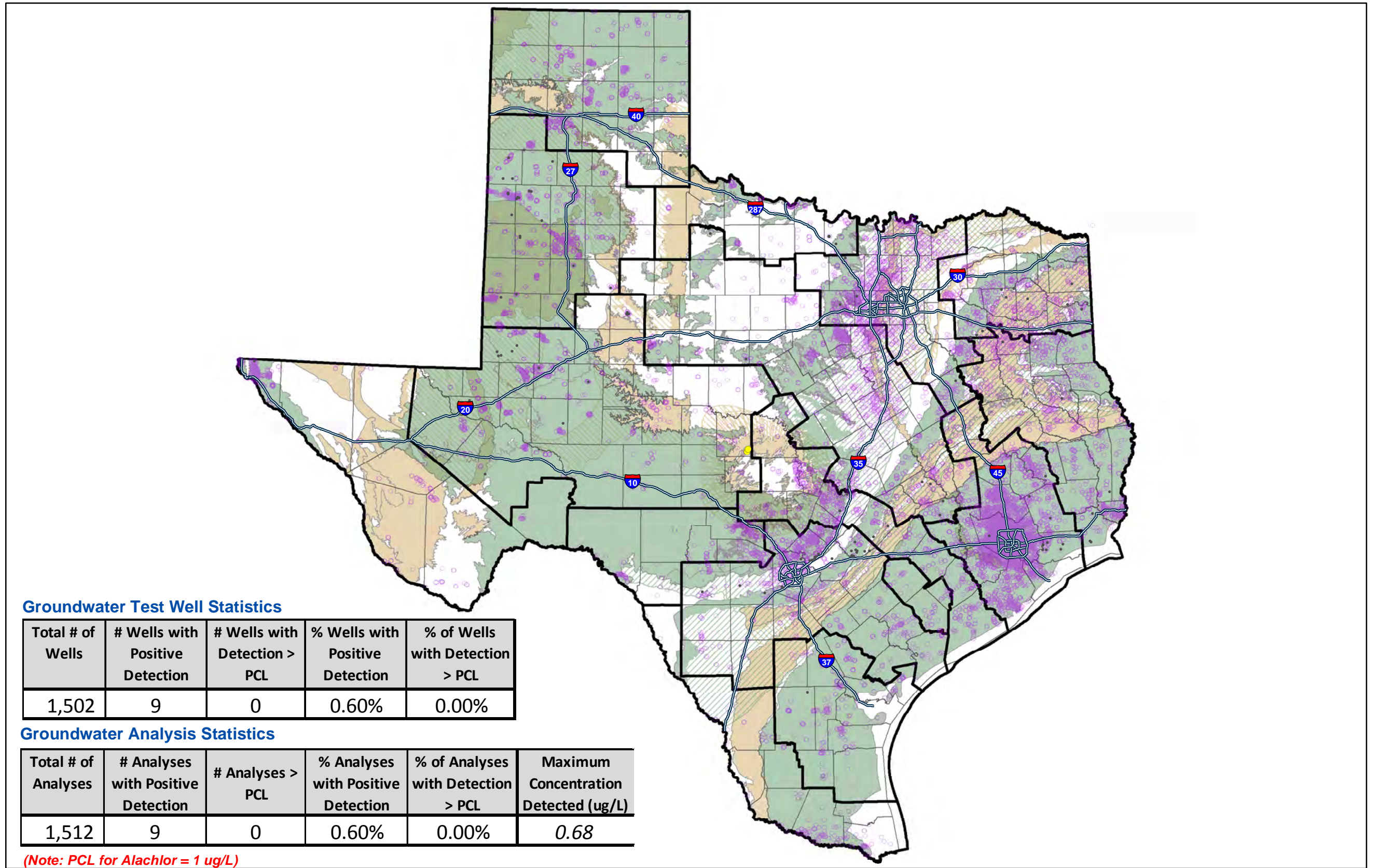
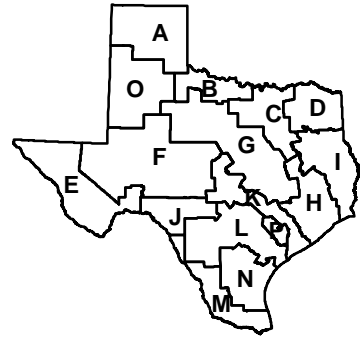


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Carbaryl

- Explanation**
- Carbaryl Detected
 - Carbaryl Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined





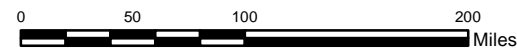
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,502	9	0	0.60%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,512	9	0	0.60%	0.00%	0.68

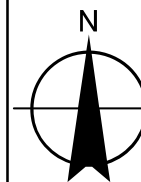
(Note: PCL for Alachlor = 1 ug/L)

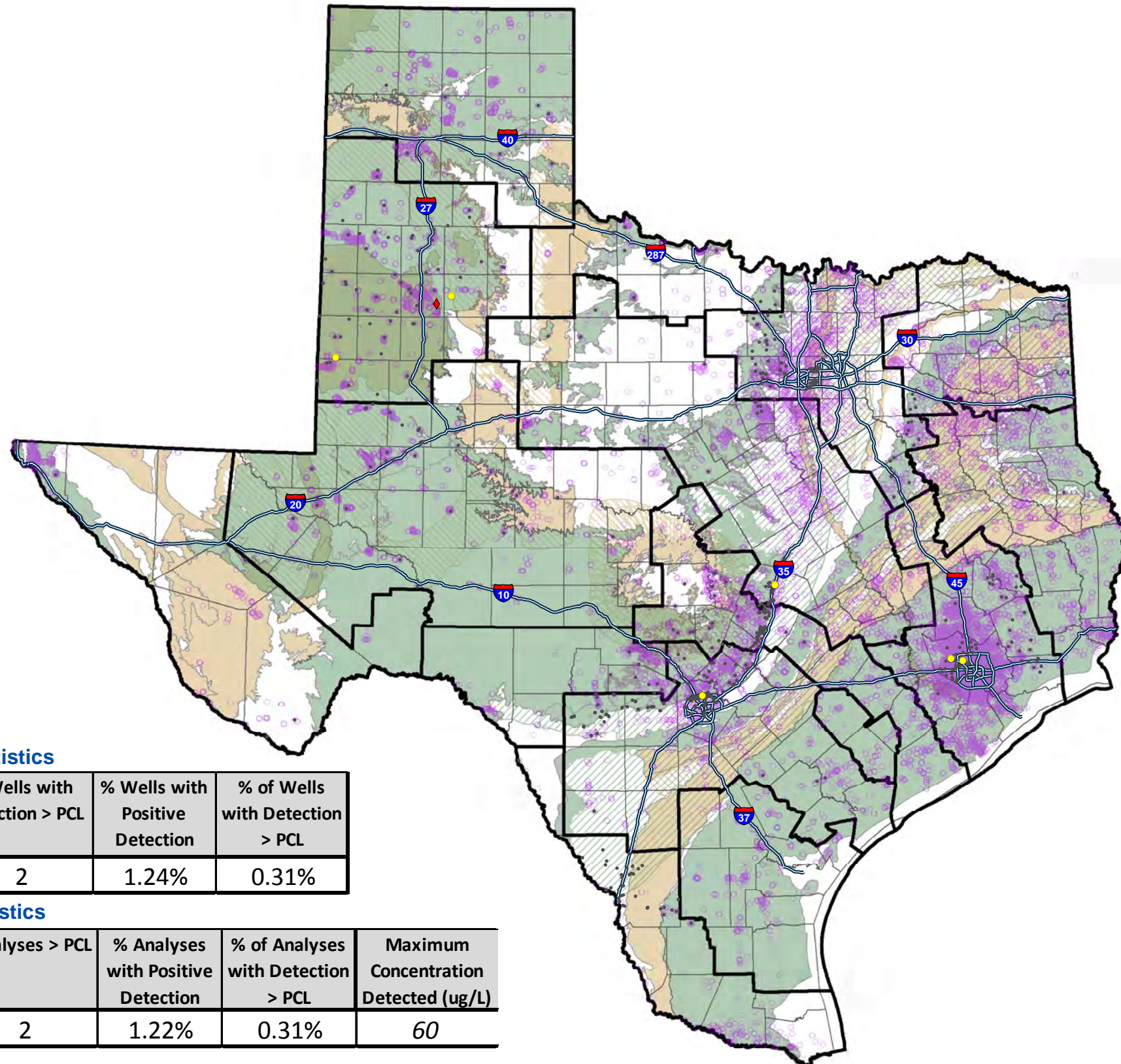
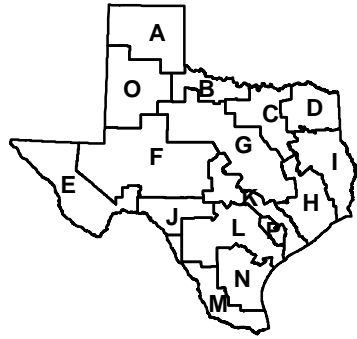


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Alachlor

- Explanation**
- Alachlor Detected
 - Alachlor Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined





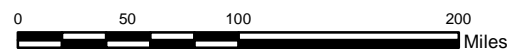
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
644	8	2	1.24%	0.31%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
654	8	2	1.22%	0.31%	60

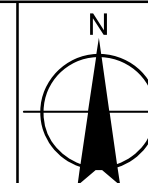
(Note: PCL for Diuron = 2 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

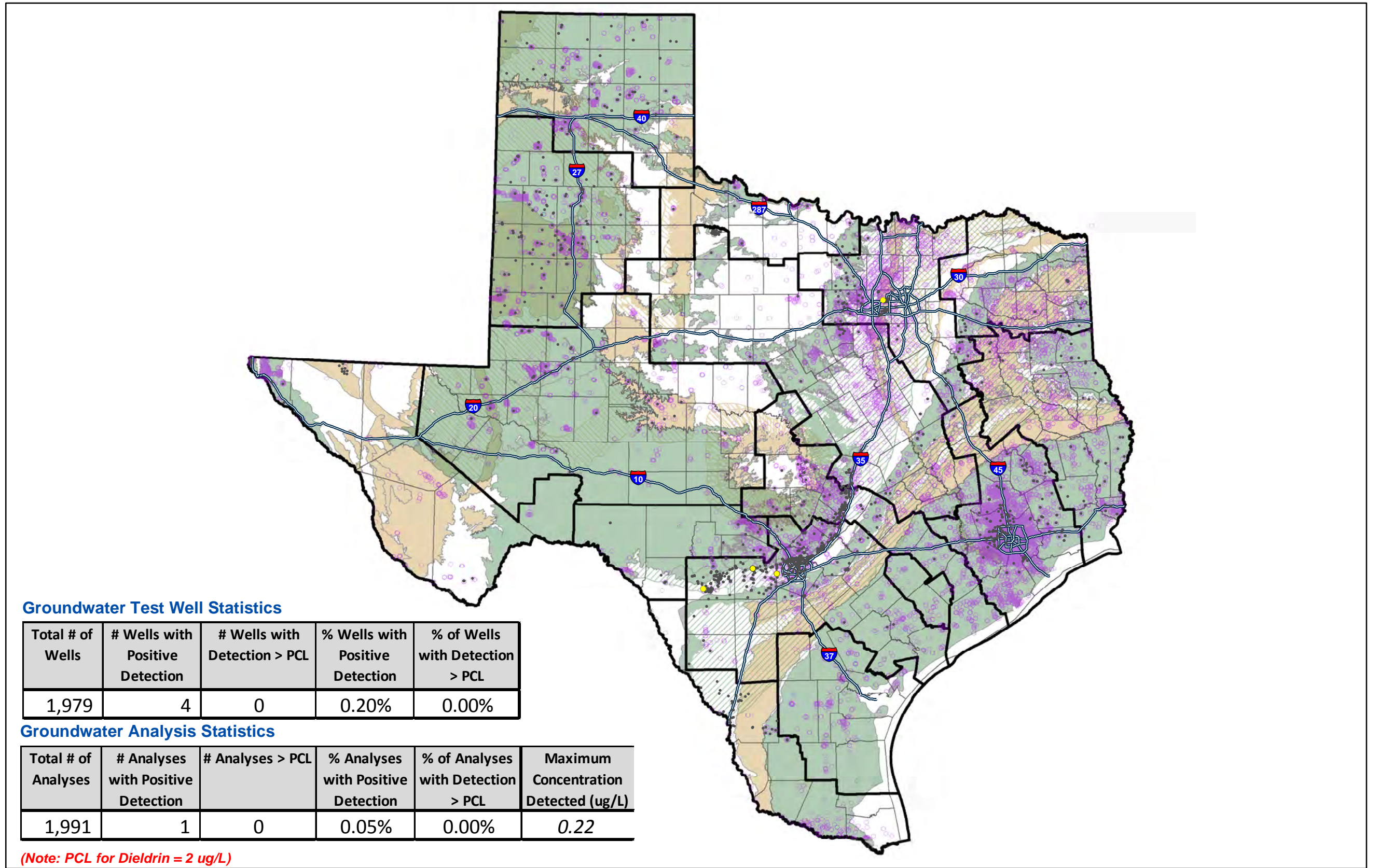
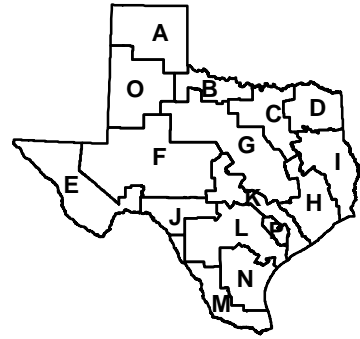
Groundwater Quality Data - Diuron

- Explanation**
- ◆ Diuron Detected > PCL
 - Diuron Detected
 - Diuron Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined



LBG-GUYTON ASSOCIATES

Plate 174



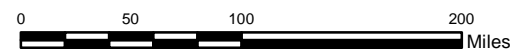
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,979	4	0	0.20%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,991	1	0	0.05%	0.00%	0.22

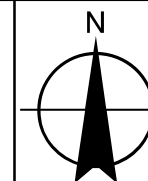
(Note: PCL for Dieldrin = 2 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

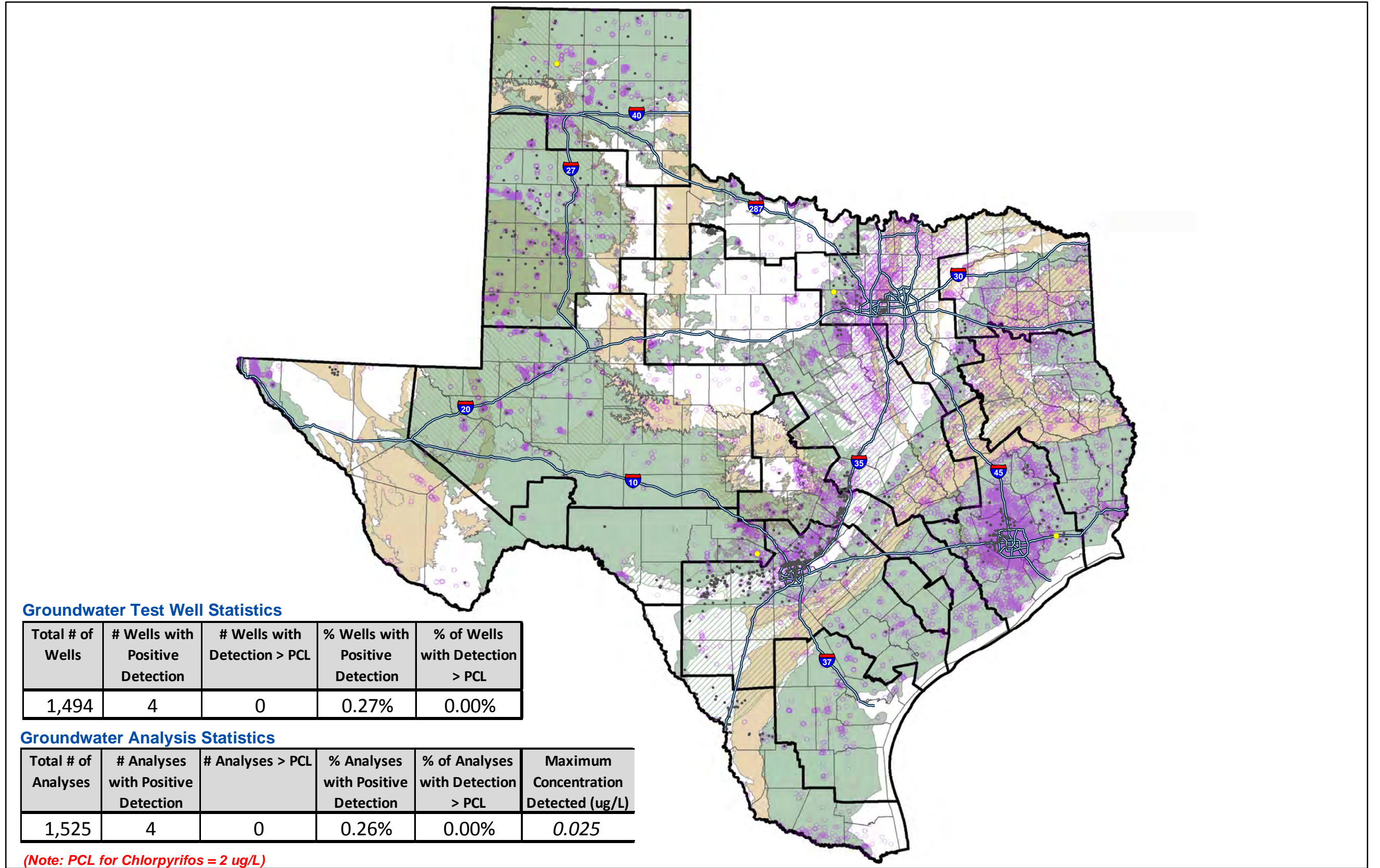
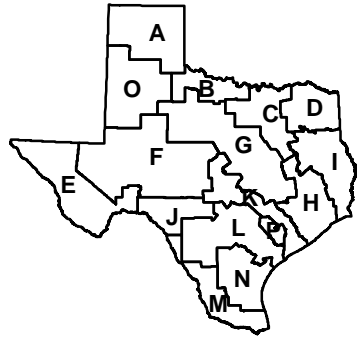
Groundwater Quality Data - Dieldrin

- Explanation**
- Dieldrin Detected
 - Dieldrin Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined



LBG-GUYTON ASSOCIATES

Plate 175



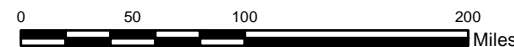
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,494	4	0	0.27%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,525	4	0	0.26%	0.00%	0.025

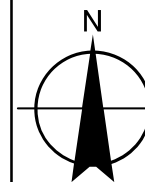
(Note: PCL for Chlorpyrifos = 2 ug/L)

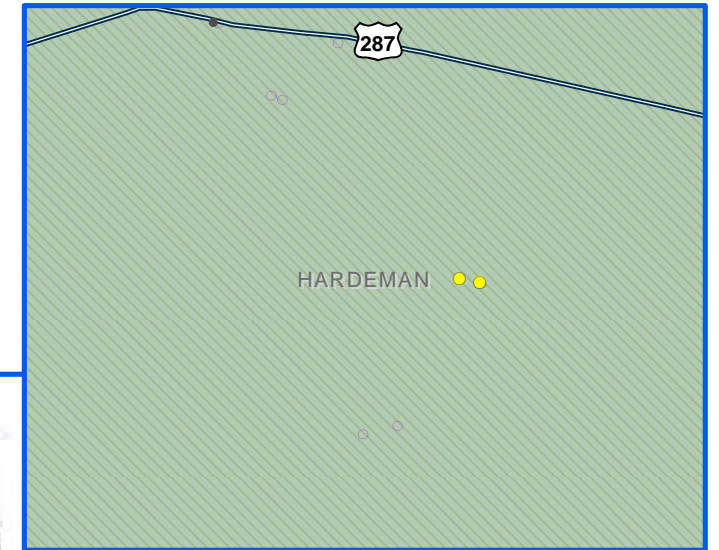
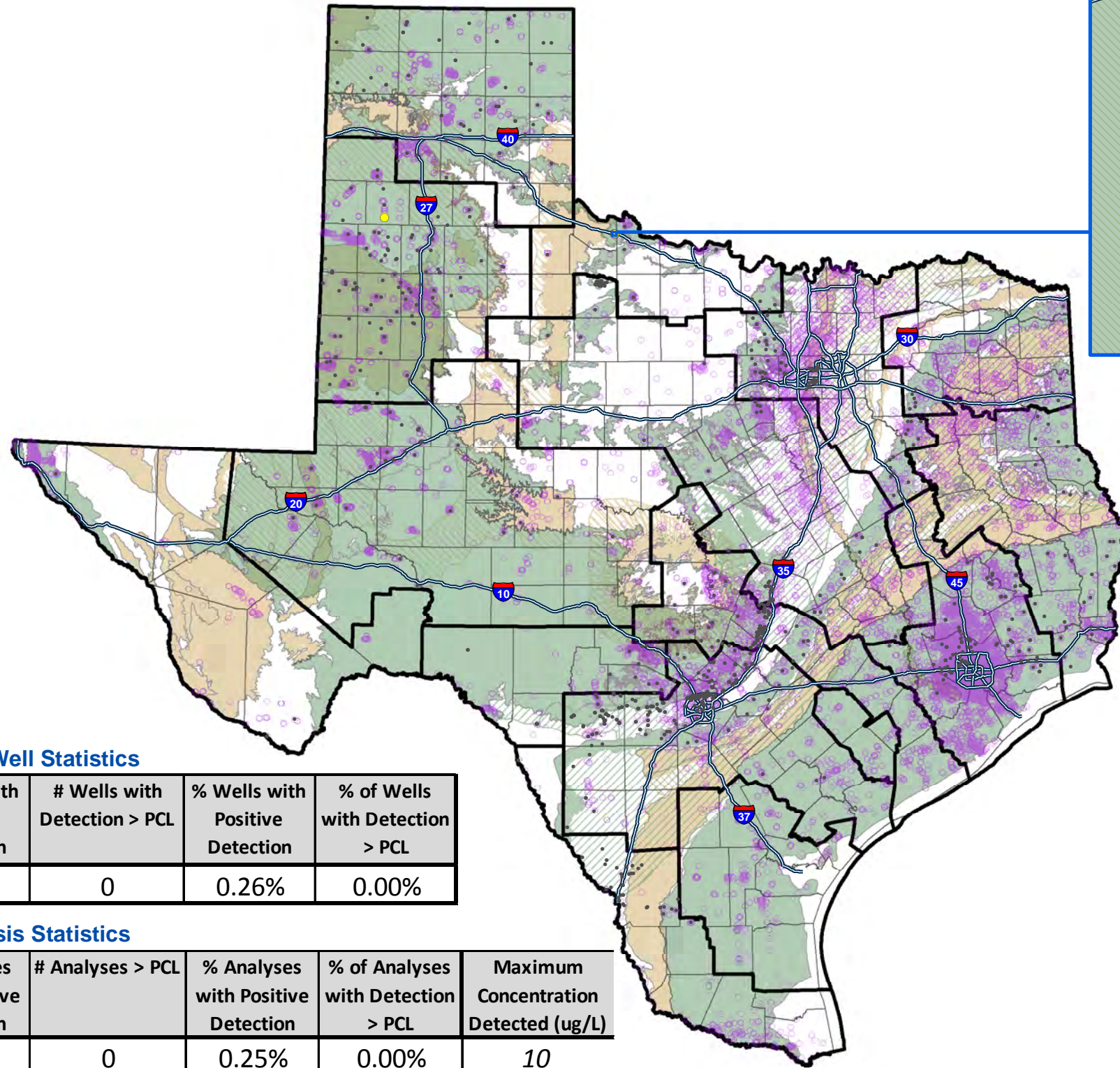
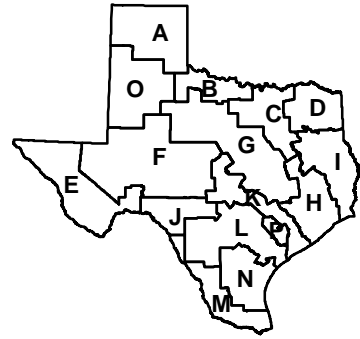


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Chlorpyrifos

- Explanation**
- Chlorpyrifos Detected
 - Chlorpyrifos Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined





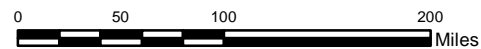
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,168	3	0	0.26%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,181	3	0	0.25%	0.00%	10

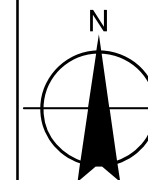
(Note: PCL for Cyanazine = 10 ug/L)

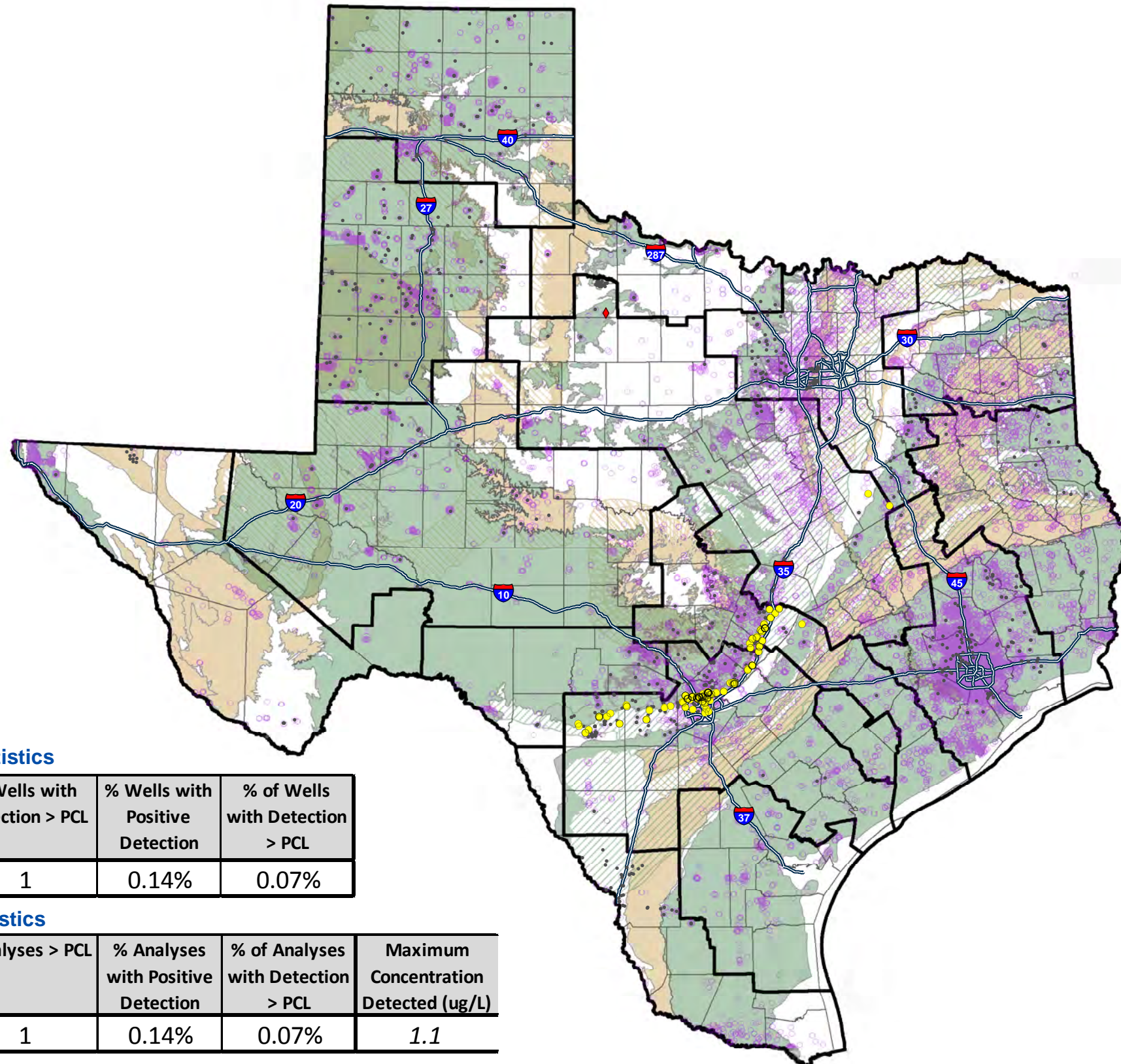
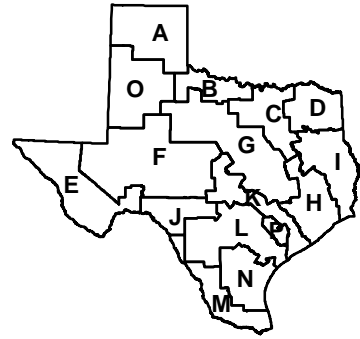


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Cyanazine

- Explanation**
- Cyanazine Detected
 - Cyanazine Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





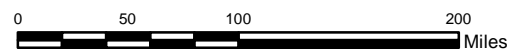
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,380	2	1	0.14%	0.07%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,391	2	1	0.14%	0.07%	1.1

(Note: PCL for Lindane = 0.2 ug/L)

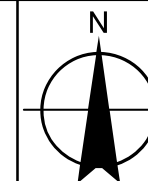


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Lindane

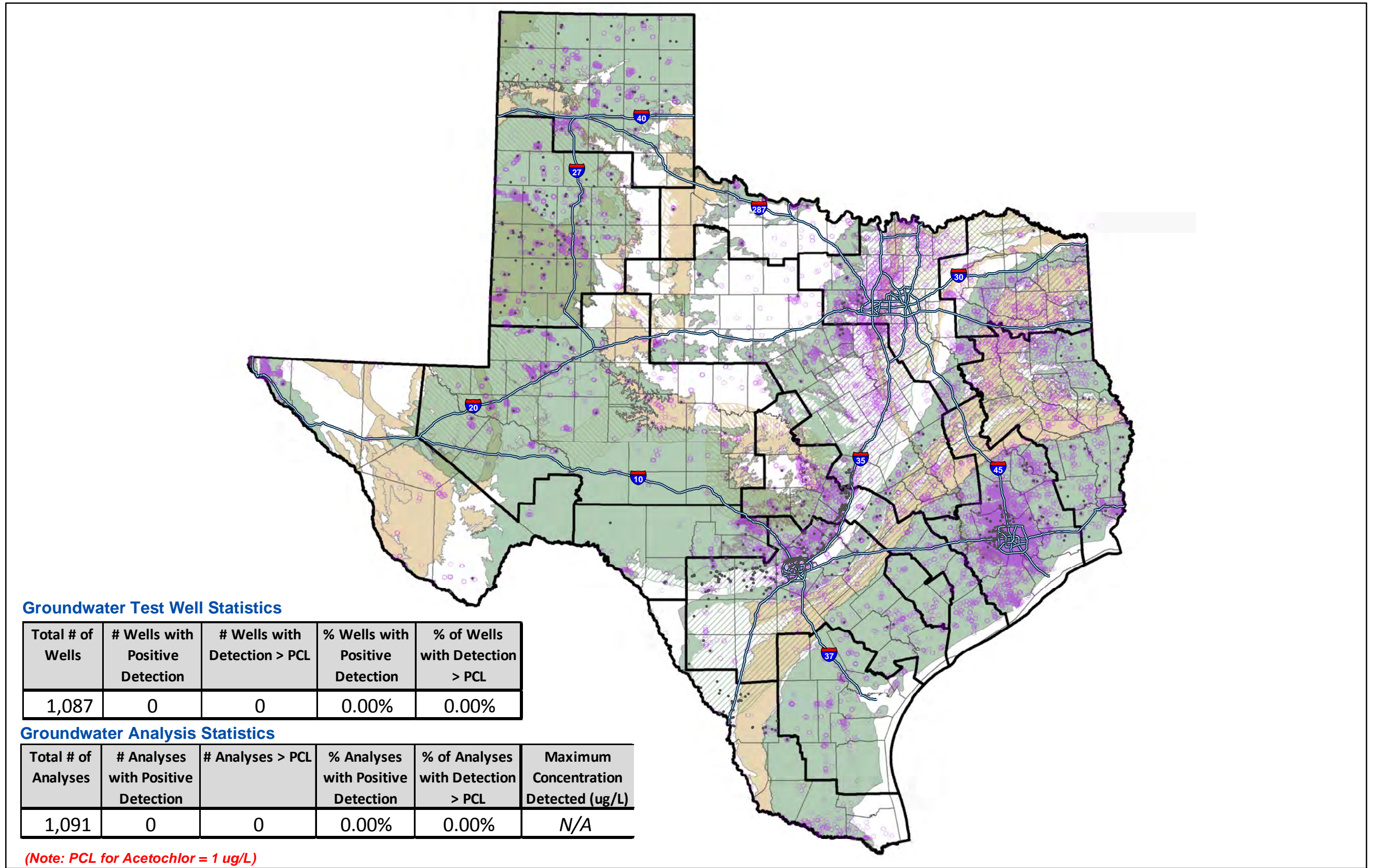
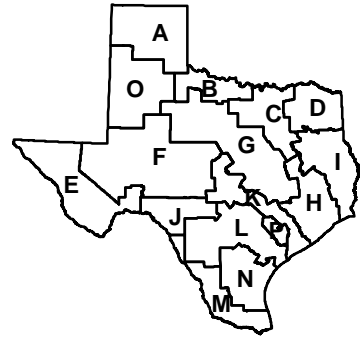
Explanation

- ◆ Lindane Detected > PCL
- ◆ Lindane Detected
- Lindane Test Sites
- PWS Location
- Interstate Hwy
- ▭ Regional Water Planning Groups
- ▭ Counties
- Major Aquifers**
- ▭ Outcrop
- ▭ Confined
- Minor Aquifers**
- ▭ Outcrop
- ▭ Confined



LBG-GUYTON ASSOCIATES

Plate 178



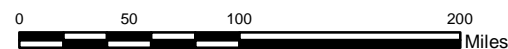
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
1,087	0	0	0.00%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
1,091	0	0	0.00%	0.00%	N/A

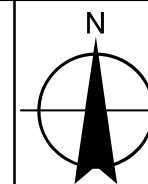
(Note: PCL for Acetochlor = 1 ug/L)

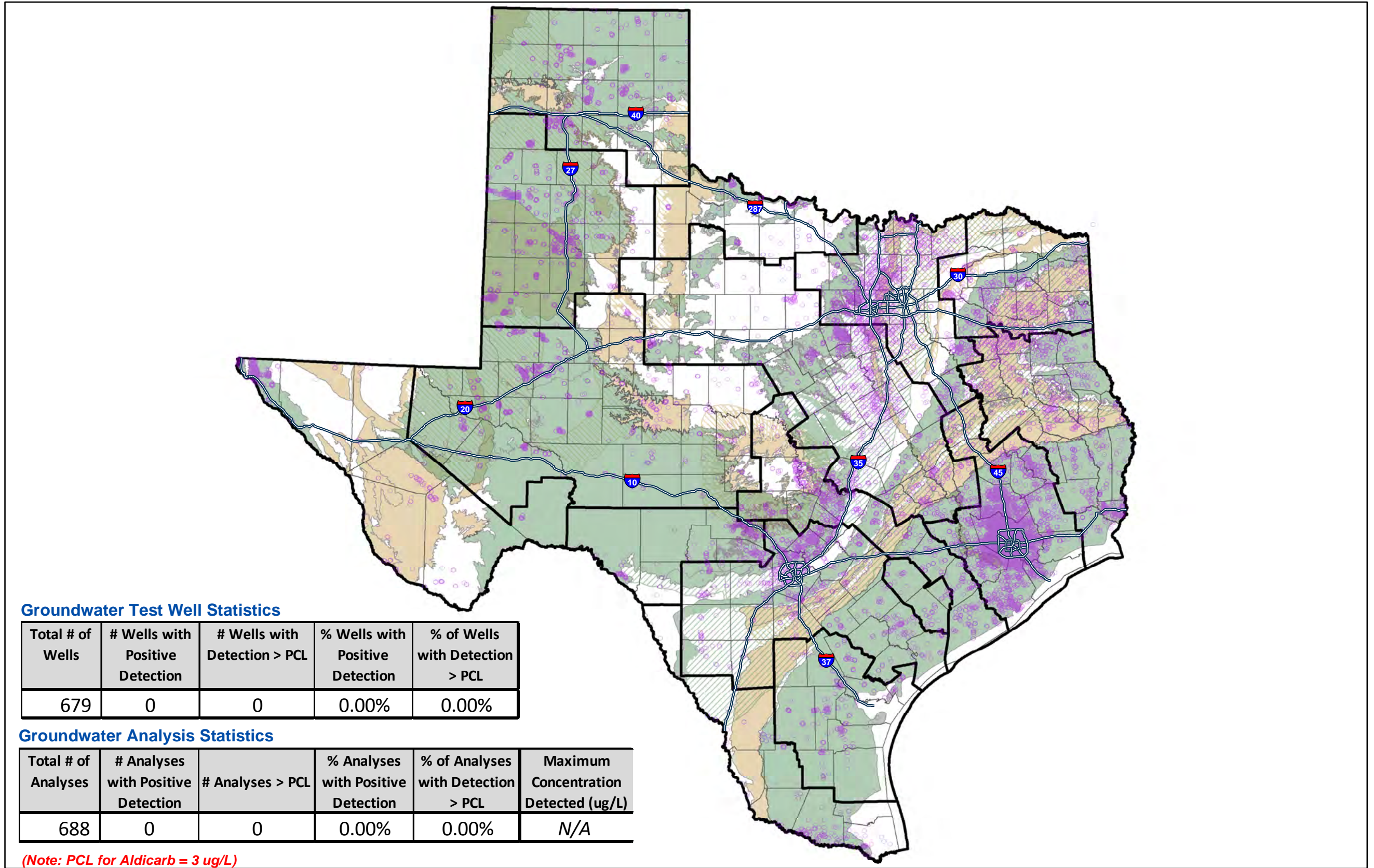
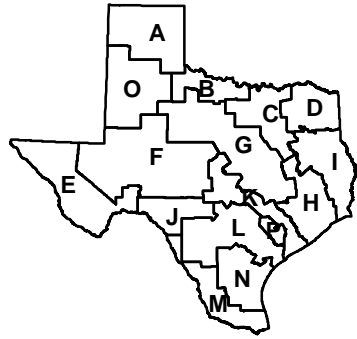


(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Acetochlor

- Explanation**
- Acetochlor Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - Counties
 - Major Aquifers**
 - Outcrop
 - ▨ Confined
 - Minor Aquifers**
 - Outcrop
 - ▨ Confined





Groundwater Test Well Statistics

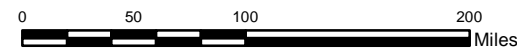
Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
679	0	0	0.00%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
688	0	0	0.00%	0.00%	N/A

(Note: PCL for Aldicarb = 3 ug/L)

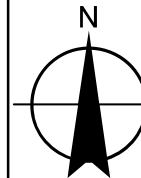
(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

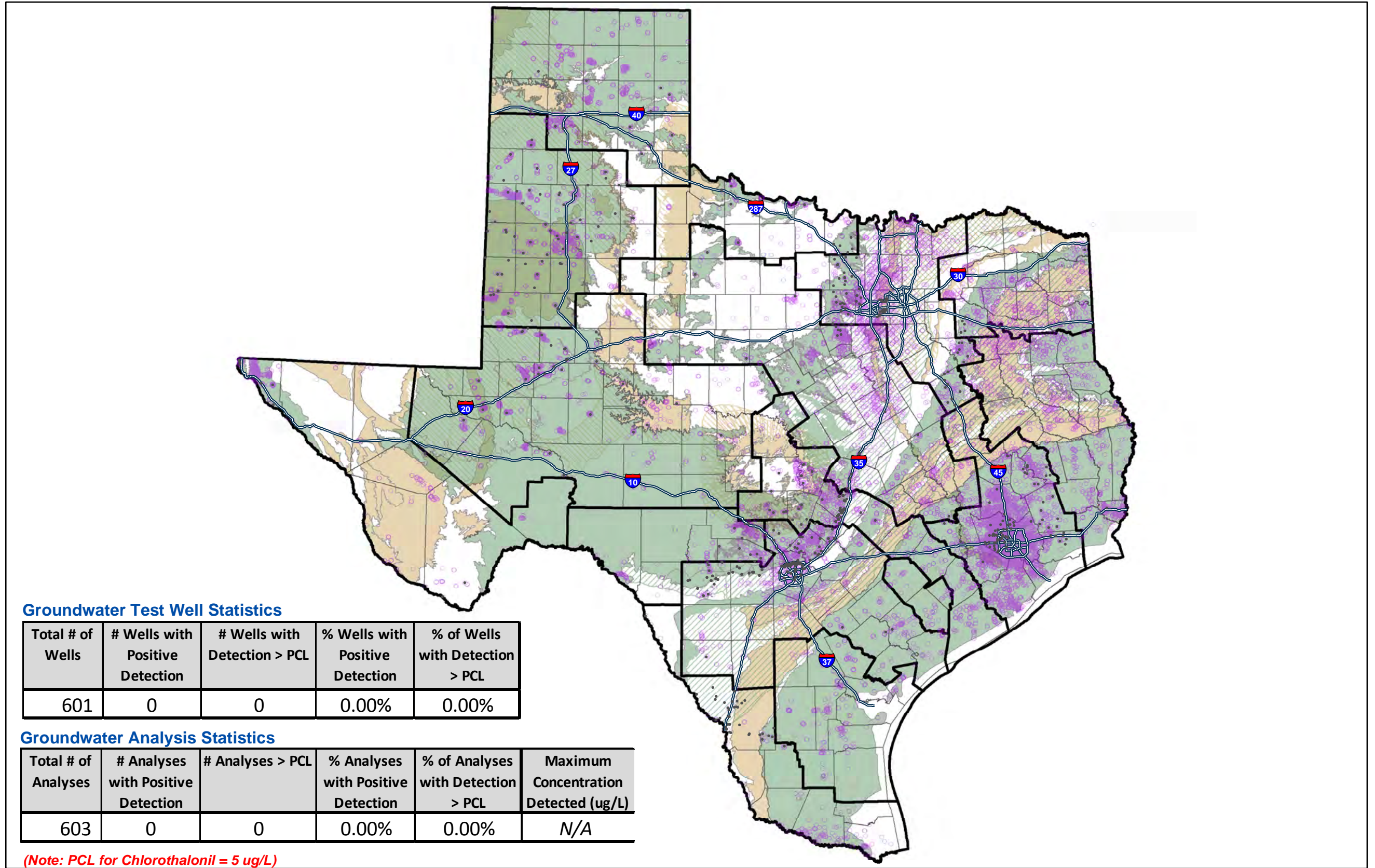
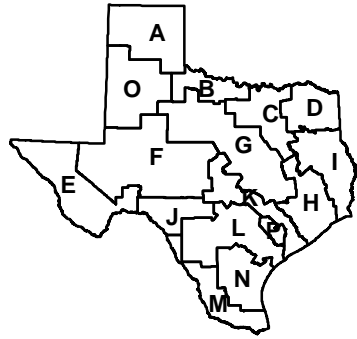


Groundwater Quality Data - Aldicarb

Explanation

- Aldicarb Test Sites
- PWS Location
- Interstate Hwy
- ▭ Regional Water Planning Groups
- ▭ Counties
- Major Aquifers**
- Outcrop
- ▨ Confined
- Minor Aquifers**
- Outcrop
- ▨ Confined





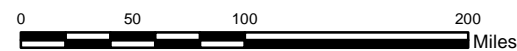
Groundwater Test Well Statistics

Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
601	0	0	0.00%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
603	0	0	0.00%	0.00%	N/A

(Note: PCL for Chlorothalonil = 5 ug/L)



(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

Groundwater Quality Data - Chlorothalonil

- Explanation**
- Chlorothalonil Test Sites
 - PWS Location
 - Interstate Hwy
 - ▭ Regional Water Planning Groups
 - ▭ Counties
- Major Aquifers**
- Outcrop
 - ▨ Confined
- Minor Aquifers**
- Outcrop
 - ▨ Confined

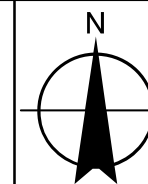
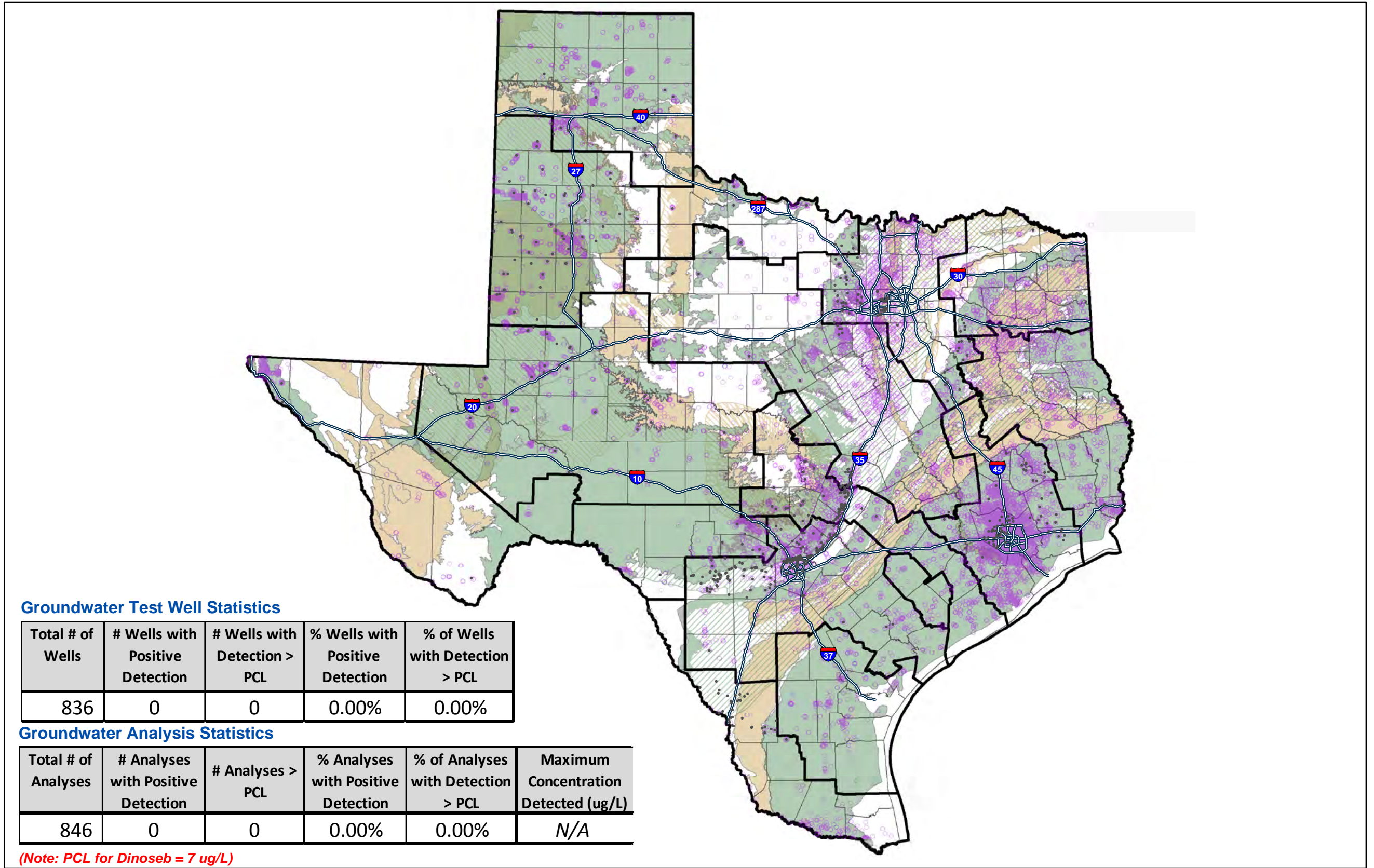
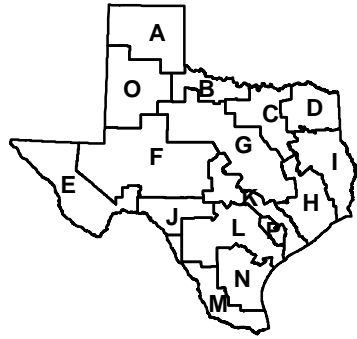


Plate 181



Groundwater Test Well Statistics

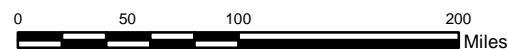
Total # of Wells	# Wells with Positive Detection	# Wells with Detection > PCL	% Wells with Positive Detection	% of Wells with Detection > PCL
836	0	0	0.00%	0.00%

Groundwater Analysis Statistics

Total # of Analyses	# Analyses with Positive Detection	# Analyses > PCL	% Analyses with Positive Detection	% of Analyses with Detection > PCL	Maximum Concentration Detected (ug/L)
846	0	0	0.00%	0.00%	N/A

(Note: PCL for Dinoseb = 7 ug/L)

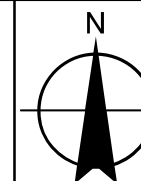
(Data from Texas Commission on Environmental Quality, 2010, and Texas Water Development Board, 2010)

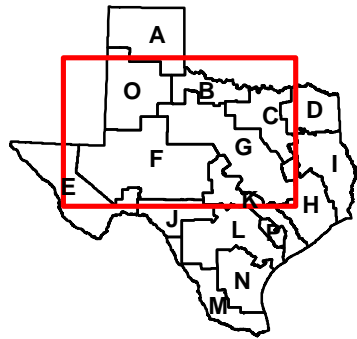


Groundwater Quality Data - Dinoseb

Explanation

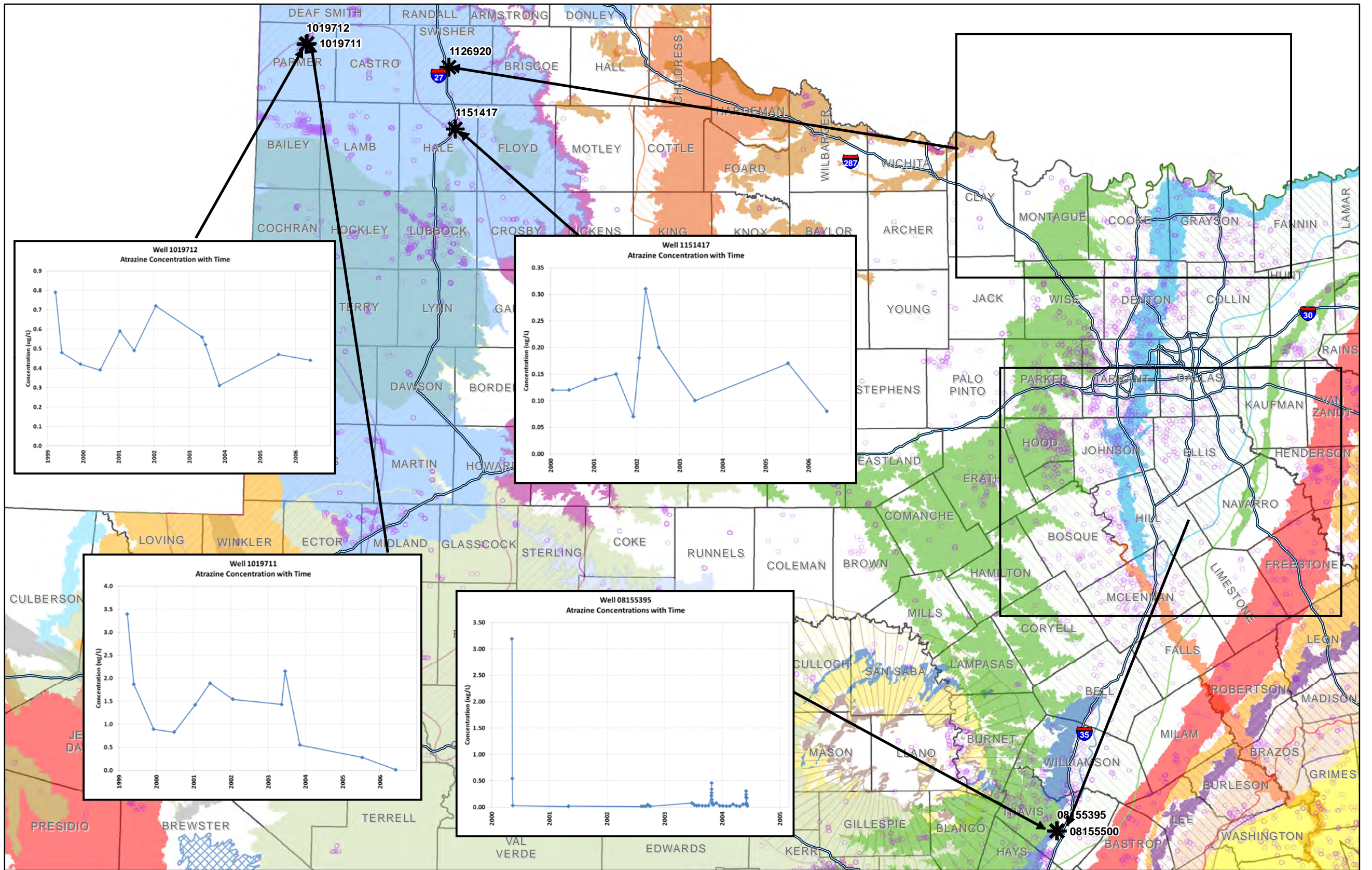
- Dinoseb Test Sites
- PWS Location
- Interstate Hwy
- ▭ Regional Water Planning Groups
- Counties
- Major Aquifers**
- Outcrop
- ▨ Confined
- Minor Aquifers**
- Outcrop
- ▨ Confined





Major/Minor Aquifers

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)
- Brazos River Alluvium
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (confined)
- Yegua Jackson
- Igneous
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Nacatoch (outcrop)
- Nacatoch (confined)
- Woodbine (outcrop)
- Woodbine (confined)
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (confined)
- Rustler (outcrop)
- Rustler (confined)
- Capitan Reef Complex
- Blaine (outcrop)
- Blaine (confined)
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)



(Data from TCEQ, TWDB, 2010)

Groundwater Data Over Time - Atrazine

Explanation

- Well Sites
- PWS Location
- Interstate Hwy
- Counties

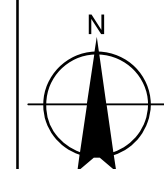
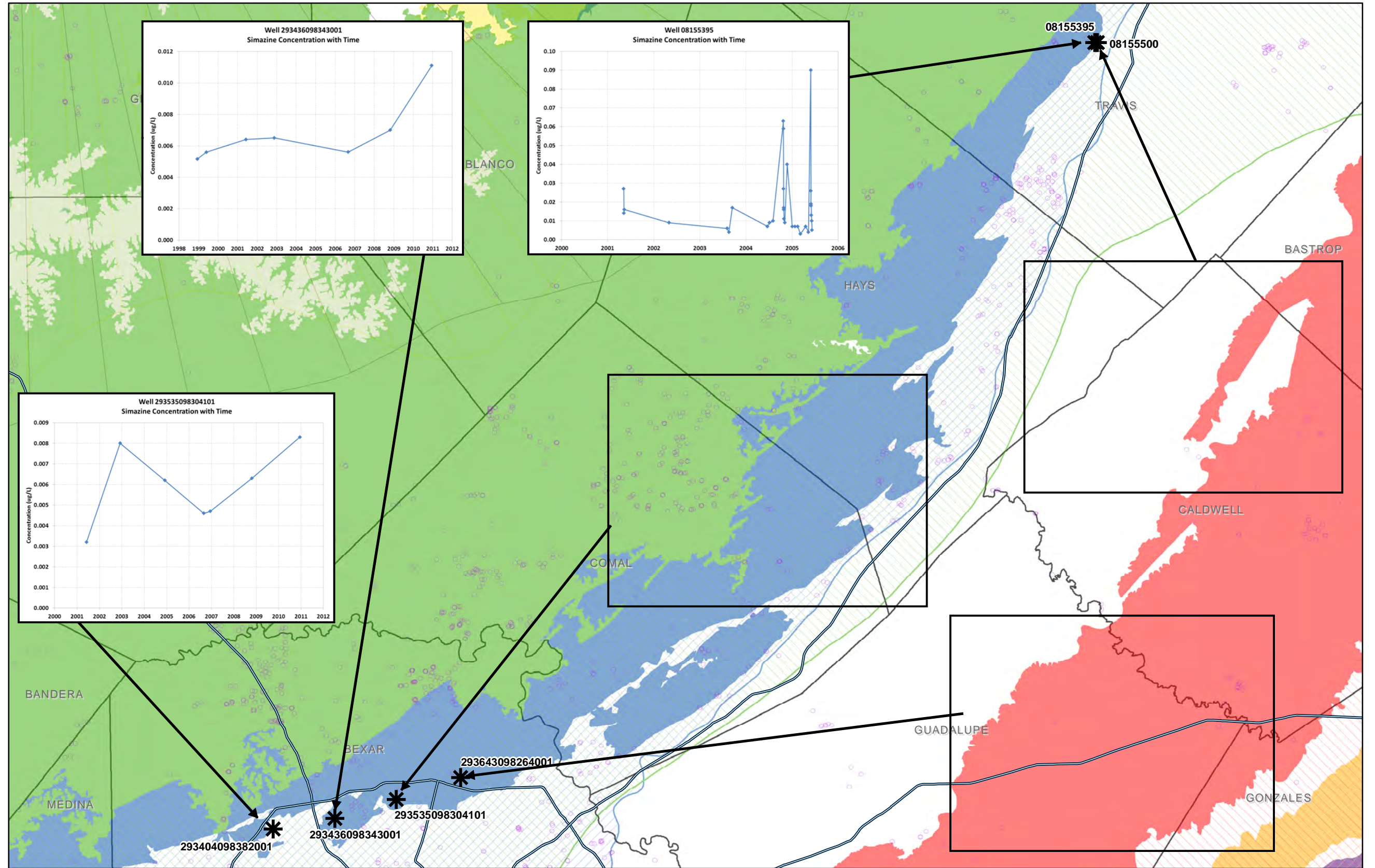
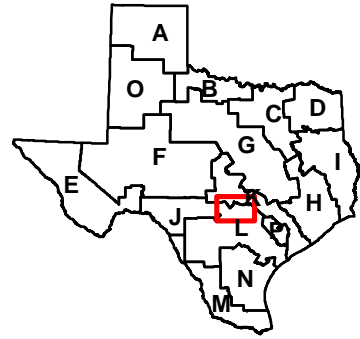


Plate 184



(Data from Texas Commission on Environmental Quality)

Groundwater Data Over Time - Simazine

Explanation

- Well Sites
- PWS Location
- Interstate Hwy
- Counties

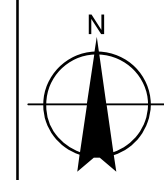
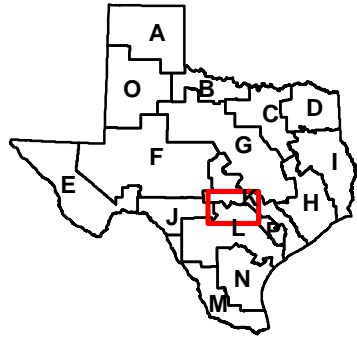
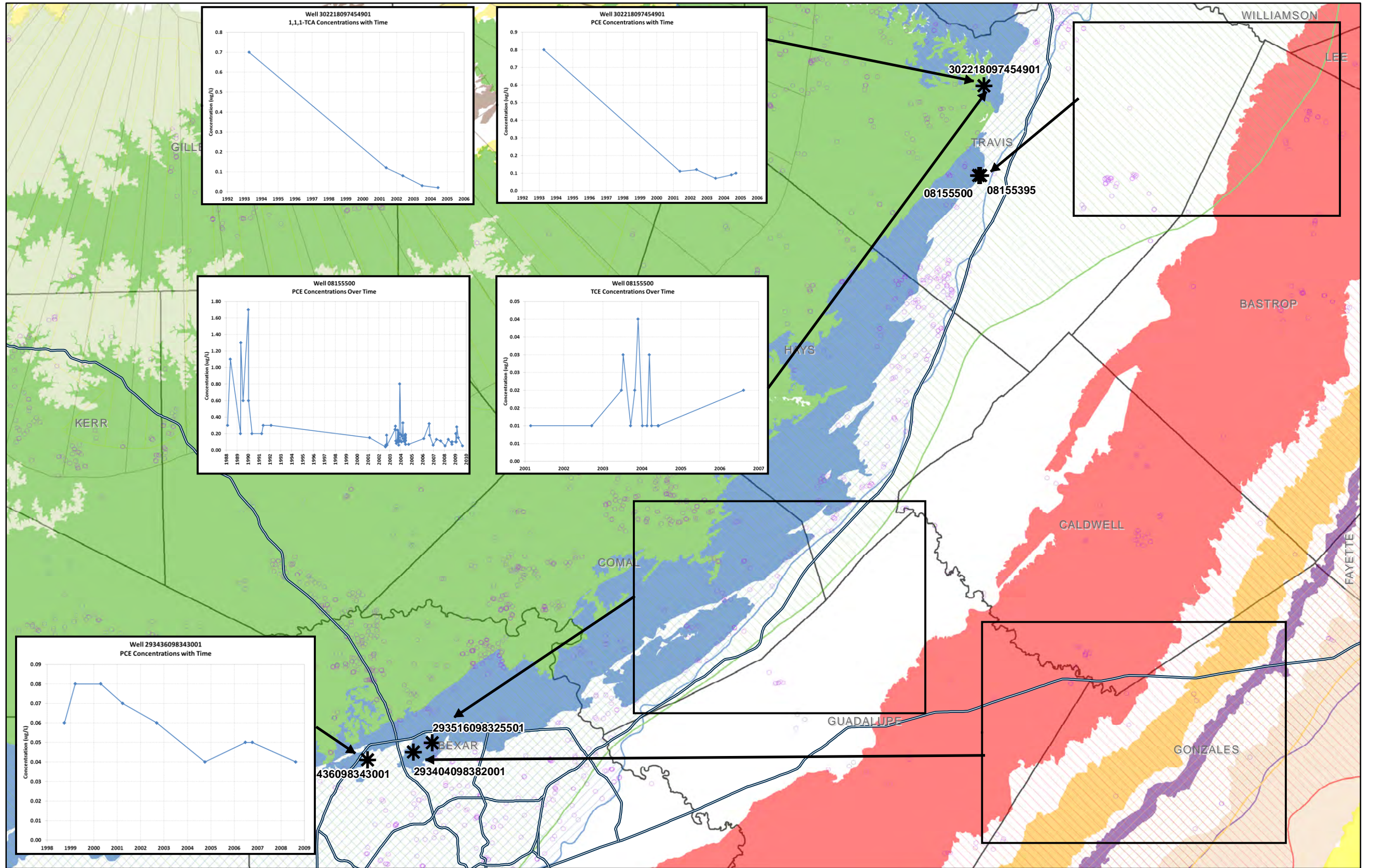


Plate 185



Major/Minor Aquifers

- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)
- Lipan (confined)
- Yegua Jackson
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)

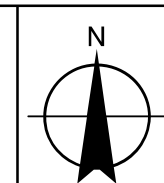


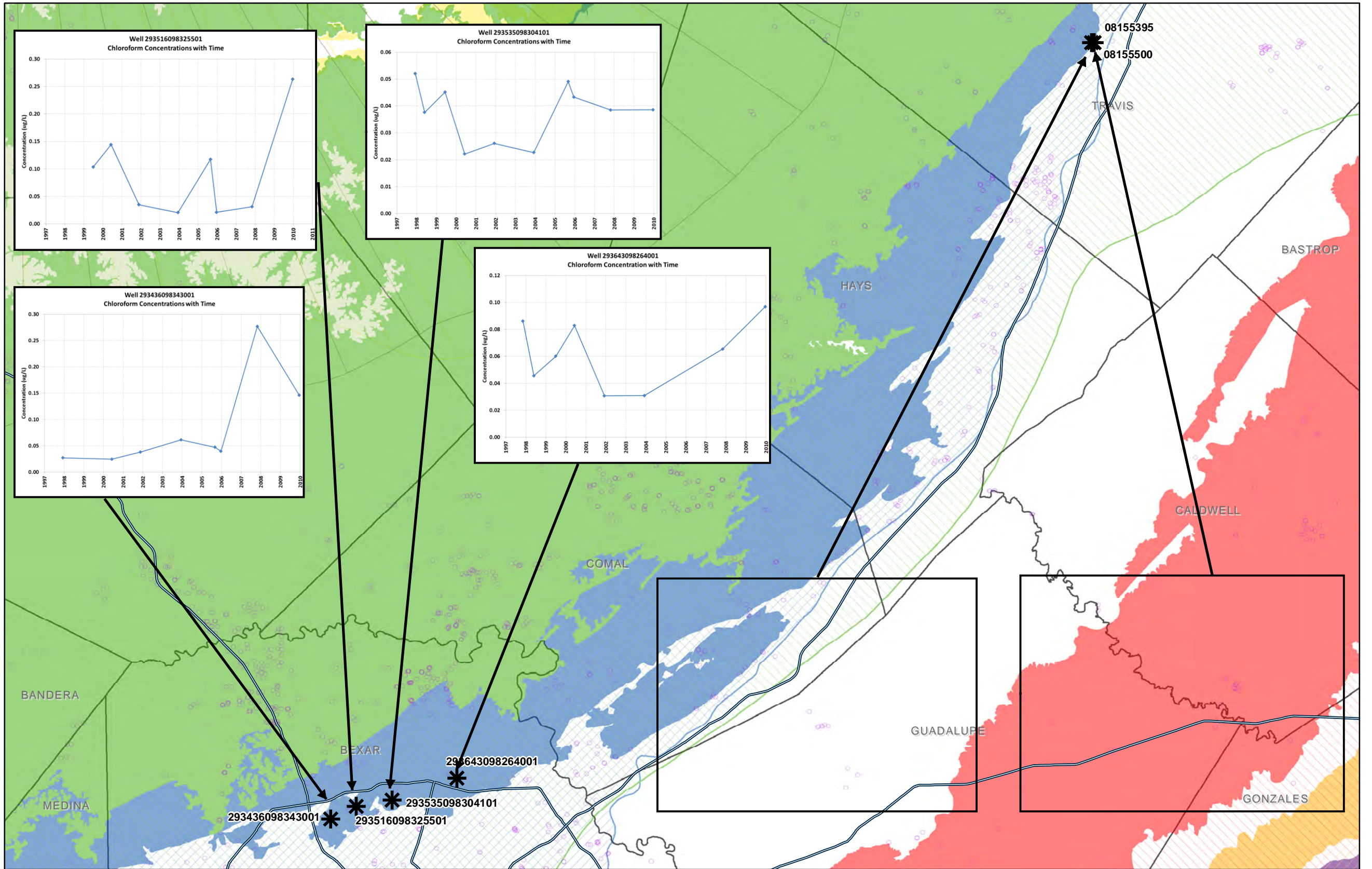
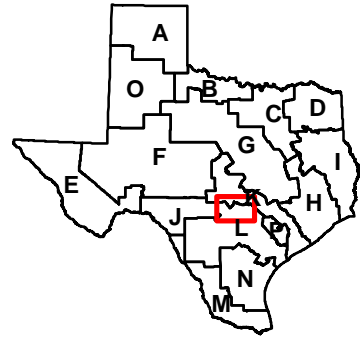
(Data from Texas Commission on Environmental Quality)

Groundwater Data Over Time - Chlorinated Compounds

Explanation

- Well Site
- Interstate Hwy
- PWS Location
- Counties





(Data from Texas Commission on Environmental Quality)

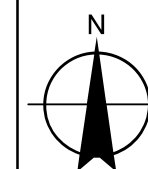
Major/Minor Aquifers

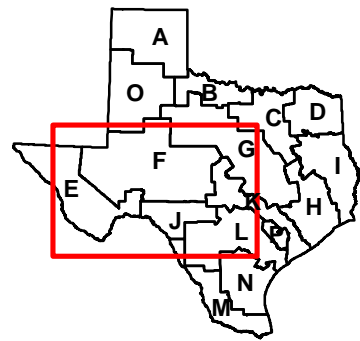
- Carrizo-Wilcox (outcrop)
- ▨ Carrizo-Wilcox (confined)
- Edwards - Trinity Plateau (outcrop)
- Edwards BFZ (outcrop)
- ▨ Edwards BFZ (confined)
- Trinity (outcrop)
- ▨ Trinity (confined)
- ▨ Lipan (confined)
- Sparta (outcrop)
- Queen City (outcrop)
- ▨ Queen City (confined)
- Marble Falls
- Ellenburger - San Saba (outcrop)
- ▨ Ellenburger - San Saba (confined)
- ▨ Hickory (confined)

Groundwater Data Over Time - Chloroform

Explanation

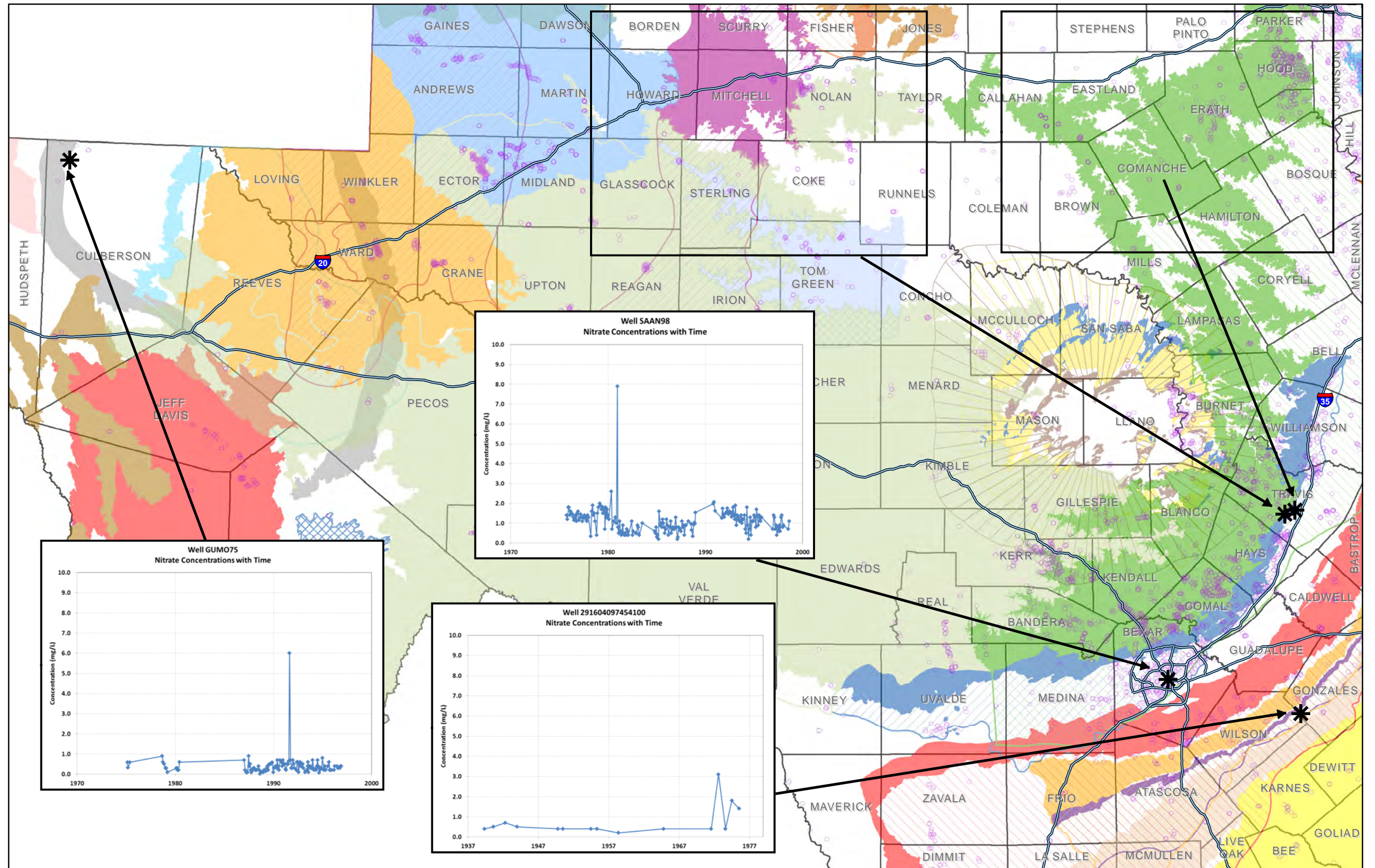
- ✱ Well Sites
- PWS Location
- Interstate Hwy
- Counties





Major/Minor Aquifers

- Pecos Valley
- Seymour
- Gulf Coast
- Carrizo-Wilcox (outcrop)
- Carrizo-Wilcox (confined)
- Ogallala
- Edwards - Trinity Plateau (outcrop)
- Edwards - Trinity Plateau (confined)
- Edwards BFZ (outcrop)
- Edwards BFZ (confined)
- Trinity (outcrop)
- Trinity (confined)
- Brazos River Alluvium
- West Texas Bolsons
- Lipan (outcrop)
- Lipan (confined)
- Yegua Jackson
- Igneous
- Sparta (outcrop)
- Sparta (confined)
- Queen City (outcrop)
- Queen City (confined)
- Woodbine (outcrop)
- Edwards - Trinity (High Plains)
- Dockum (outcrop)
- Dockum (confined)
- Rustler (outcrop)
- Rustler (confined)
- Capitan Reef Complex
- Blaine (outcrop)
- Blaine (confined)
- Bone Spring - Victorio Park
- Marble Falls
- Marathon
- Ellenburger - San Saba (outcrop)
- Ellenburger - San Saba (confined)
- Hickory (outcrop)
- Hickory (confined)



(Data from Texas Commission on Environmental Quality)

Groundwater Data Over Time - Nitrates

Explanation

- Well Sites
- PWS Location
- Interstate Hwy
- Counties

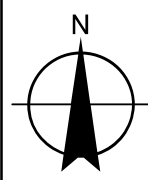


Plate 188