Auto GC Air Quality Monitor Siting Exercise

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Methodology

Siting Criteria (TCEQ Data)

- Population
- Condensate Production
- Well Density

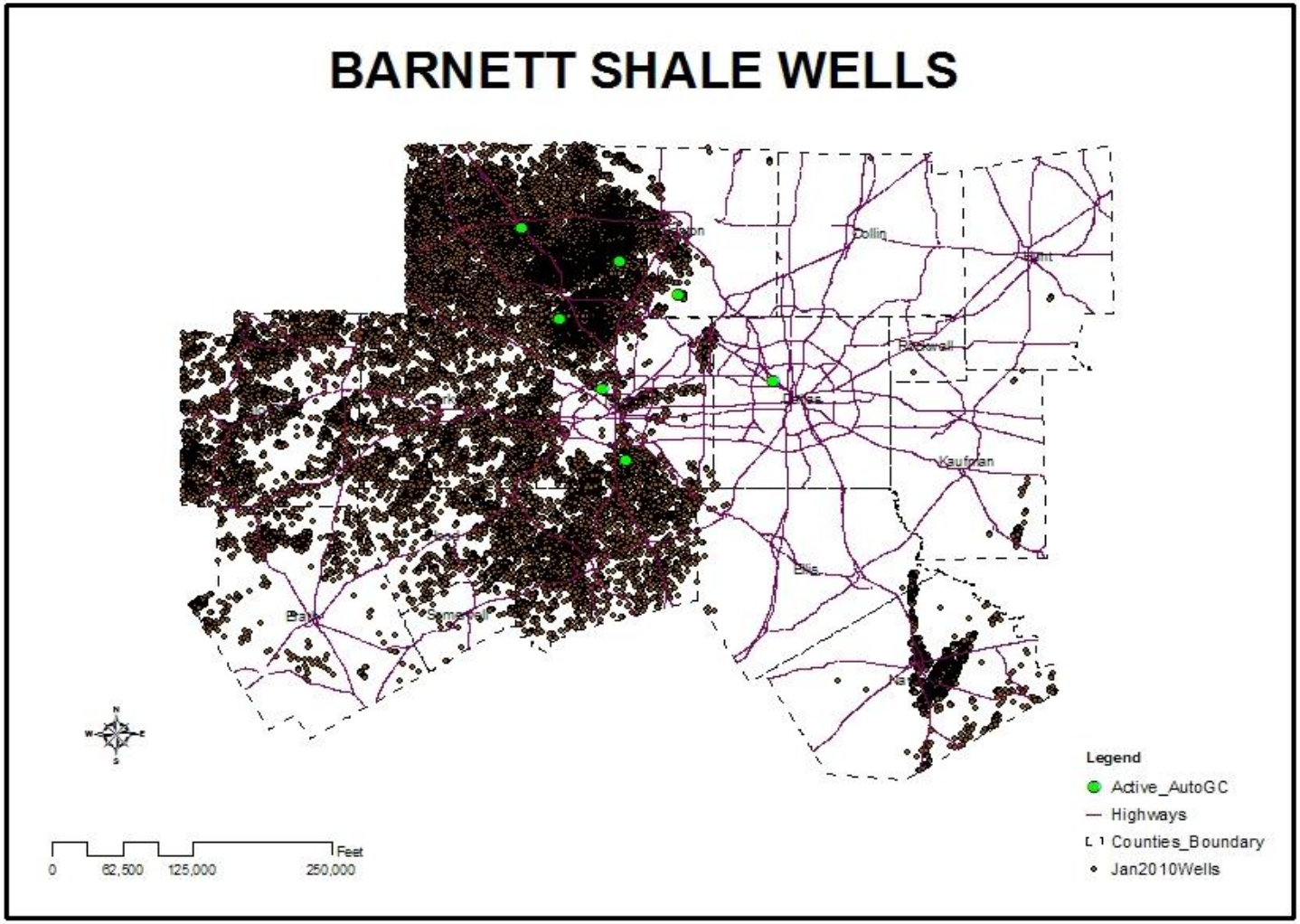
Weighting Factors

- Two Scenarios:
  - Population 25%, Condensate 38%, Well Density 37%
  - Population 25%, Condensate 45%, Well Density 30%
- Desirable Locations Corroborated

Cursory Review of Environmental Justice (EJ) (NCTCOG Data)

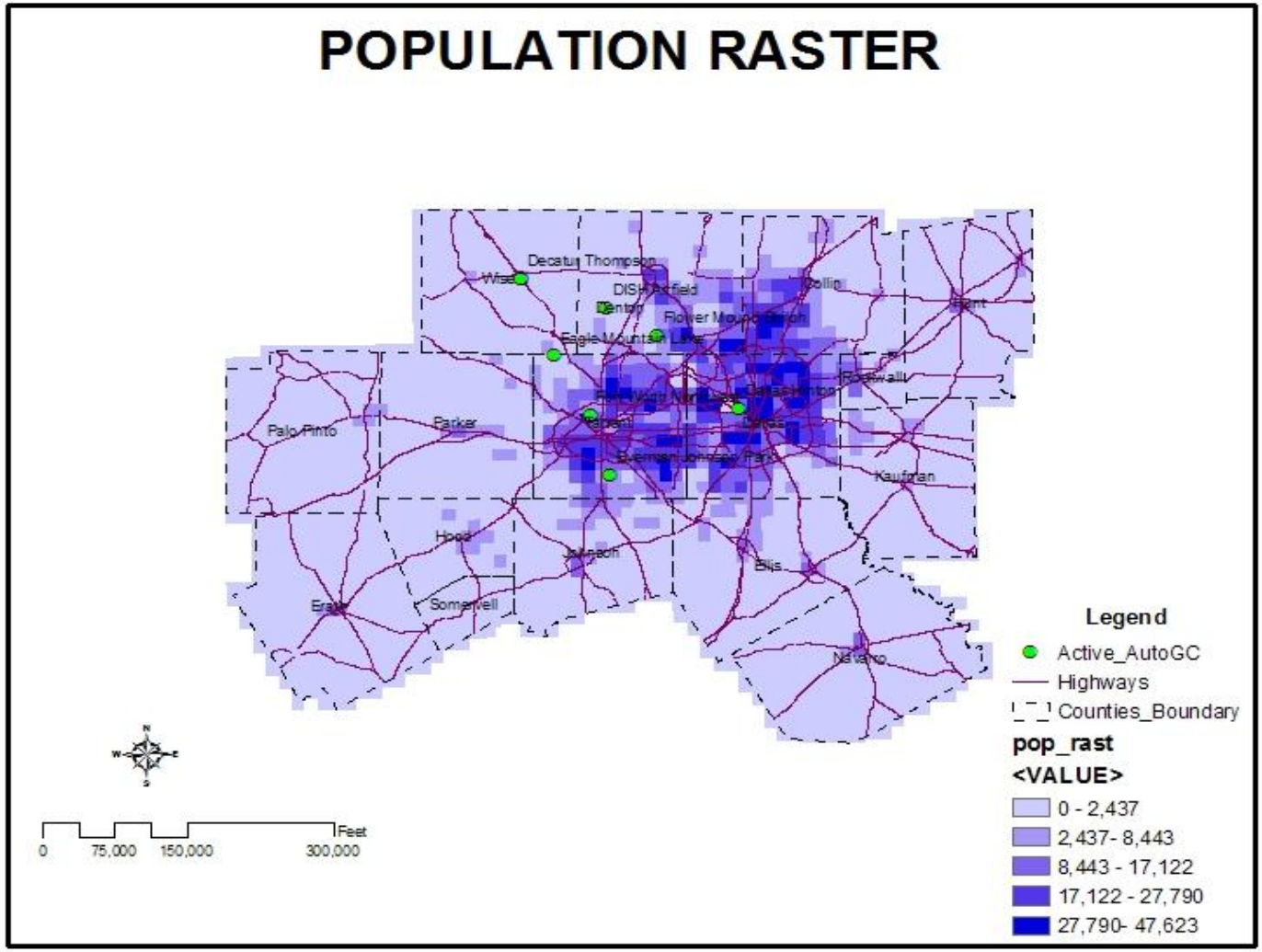
- NCTCOG Demographic Data Does Not Include All Barnett Shale Counties

Barnett Shale Wells



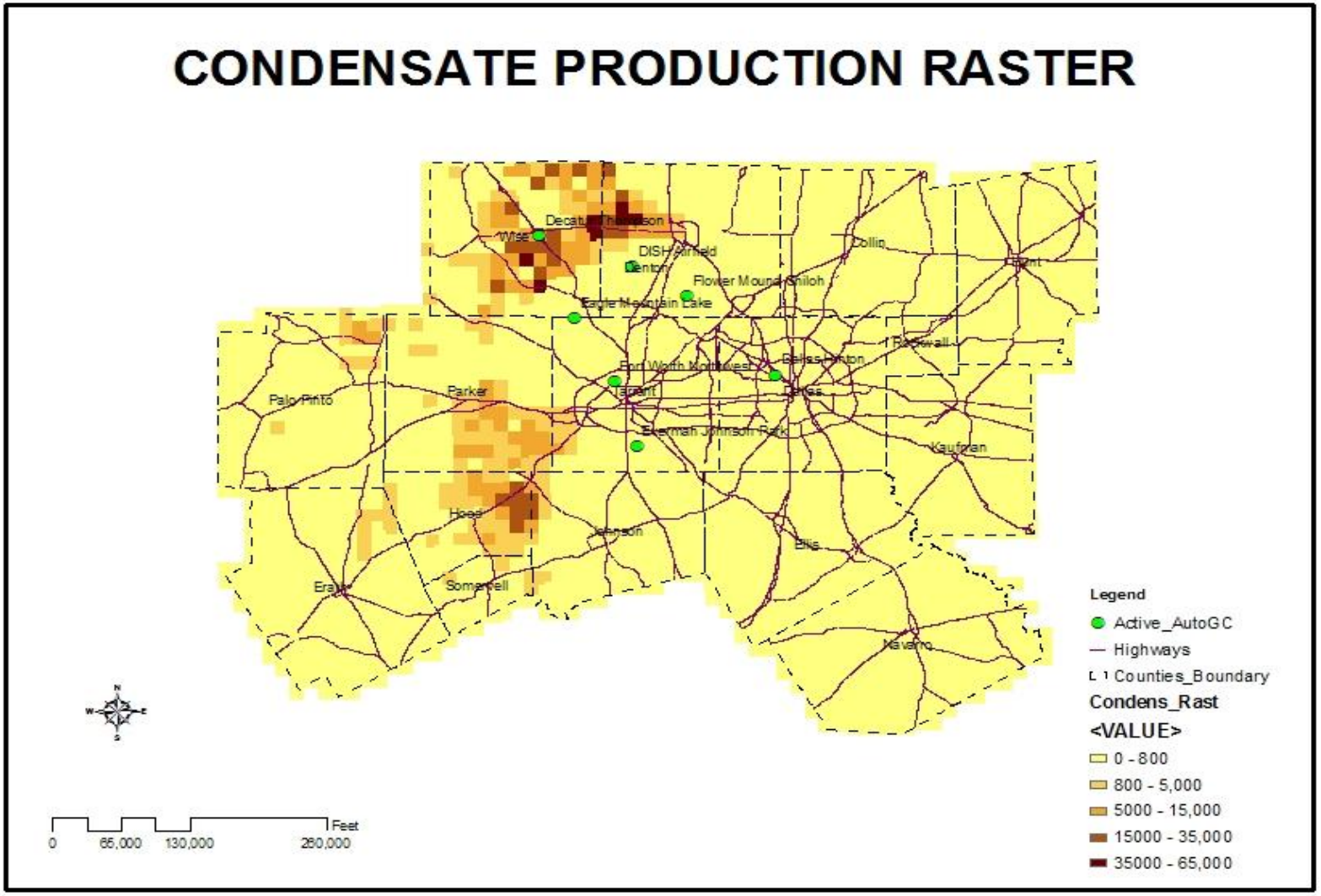
Data Source: TCEQ

Population Raster



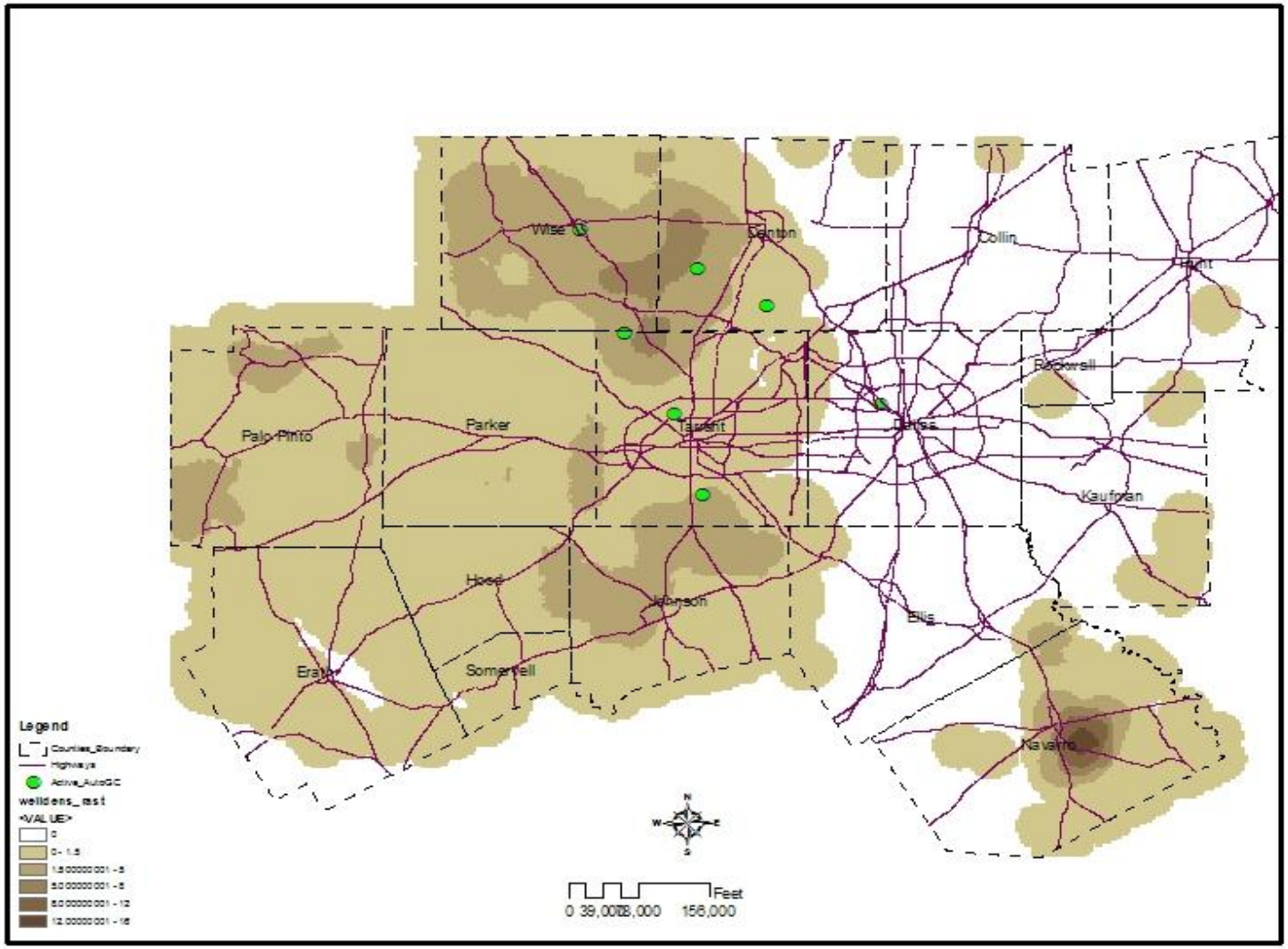
Data Source: TCEQ

Condensate Production Raster



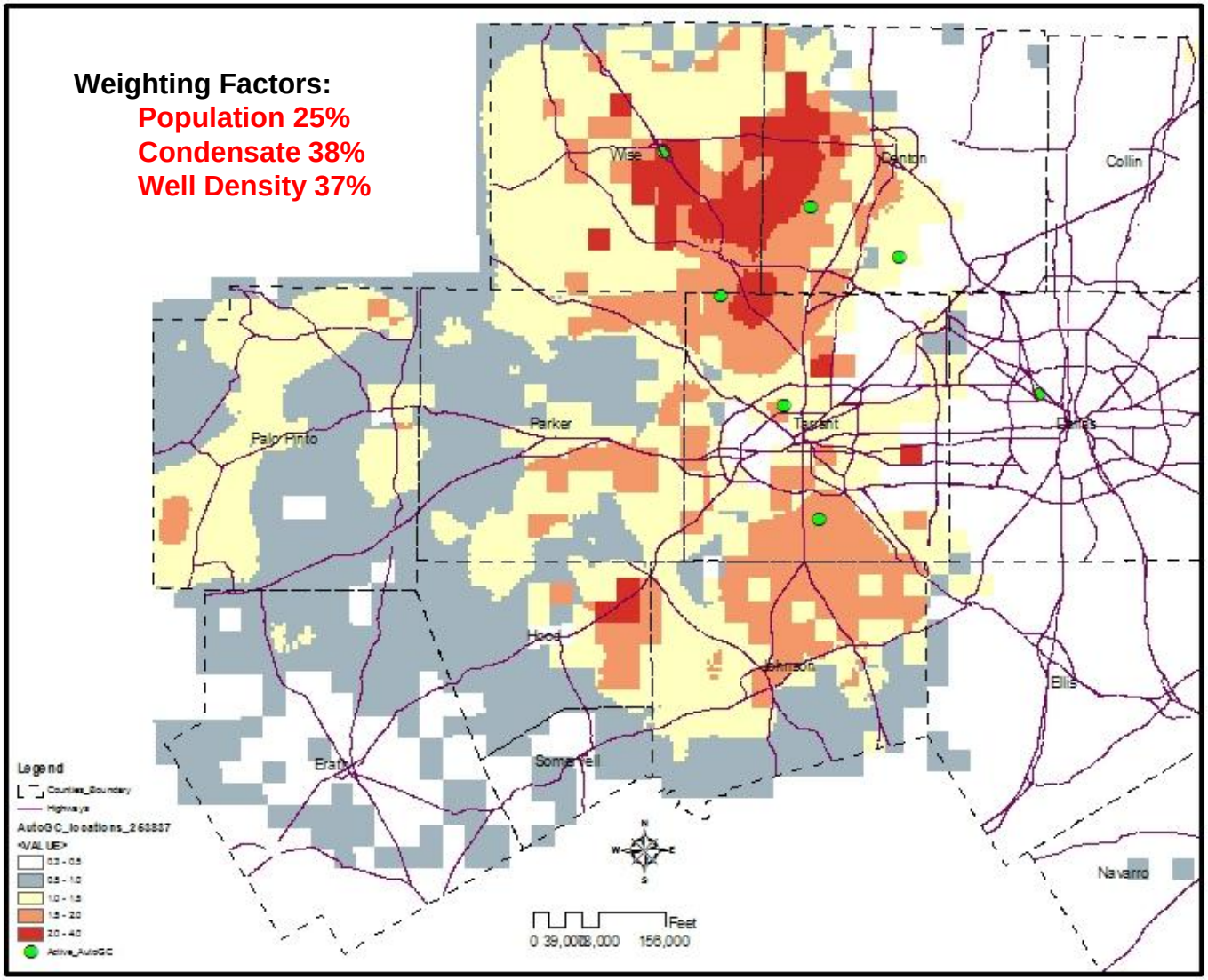
Data Source: TCEQ

Well Density Raster



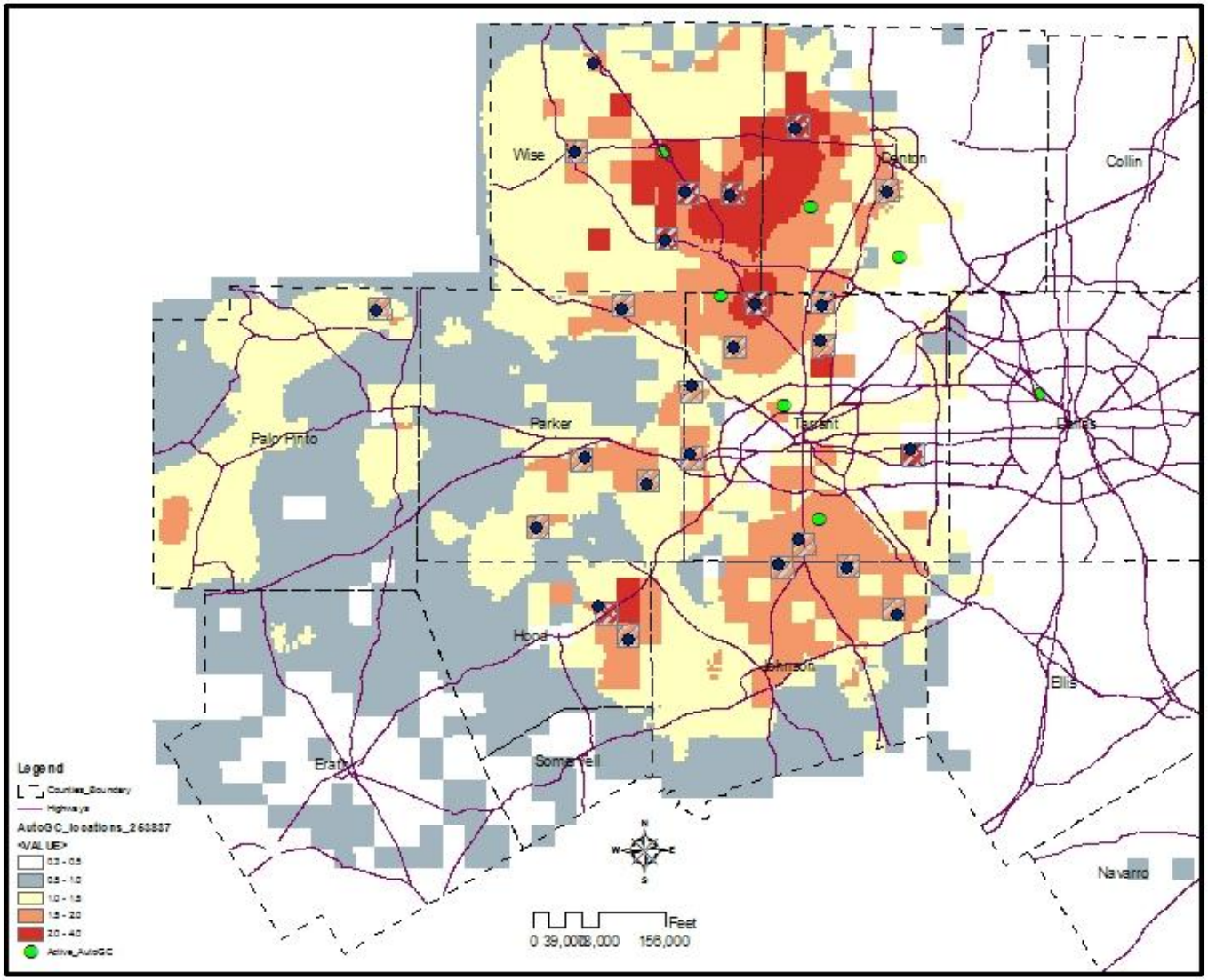
Data Source: TCEQ

Raster Analysis



Data Source: TCEQ

Recommended Sites



IDAMDA
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94557
95431
95442
95448
95451
96785
97680
97682
97689
98569
99026

Data Source: TCEQ

Additional Considerations

As Time Permits, NCTCOG Recommends Each Site Be Evaluated with Respect to:

- **Compressor Engines**
- **Citizen Complaints**
- **Schools**
- **Parks**
- **Disadvantaged Populations/Environmental Justice**
- **Other**

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