

MAPBOOK

Geospatial Database for the Trinity River Basin



The University of Texas at Austin

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Geospatial Database



Hydrologic and Surface Water Management Data Layers

- ✓ 30-meter (1:24,000) digital elevation models
- ✓ 30-meter flow direction grids
- ✓ 30-meter flow accumulation grids
- ✓ Surface water quality segments
- ✓ River network, based on Rf3
- ✓ Point locations of wastewater dischargers
- ✓ Water quality monitoring stations
- ✓ USGS flow gage locations
- ✓ Surface water rights diversion points
- ✓ National sediment inventory stations
- ✓ Locations of dams/hydraulic structure
- ✓ Hydrologic Unit Code boundaries
- ✓ Watershed data management stations / areas of coverage

Groundwater Aquifers

- ✓ Gulf Coast Aquifer
- ✓ Trinity Aquifer
- ✓ Carrizo-Wilcox Aquifer
- ✓ Nacotoch Aquifer
- ✓ Queen City Aquifer
- ✓ Sparta Aquifer
- ✓ Woodbine Aquifer

Tiger Files

- ✓ Airport landing strips
- ✓ Point landmarks
- ✓ Area landmarks
- ✓ Non-visible boundaries
- ✓ Geographic names info system
- ✓ Roads
- ✓ Railroads
- ✓ Streams & shorelines
- ✓ Transmission & power lines



Geospatial Database, continued



Geopolitical Information and Regulatory Data Layers

- ✓ Counties
- ✓ Municipal areas
- ✓ Superfund sites
- ✓ Councils of government
- ✓ Eco-Regions
- ✓ Federal congressional districts
- ✓ TX state house of representatives districts (75th legislature)
- ✓ TX state house of representatives districts (76th legislature)
- ✓ TX state senate districts
- ✓ TNRCC service regions
- ✓ TNRCC class B land application sites
- ✓ Solid waste landfill locations
- ✓ Permitted industrial and hazardous waste sites
- ✓ Toxic release inventory sites
- ✓ Public water supply sites

Environmental Background Data

- ✓ STATSGO soils coverage
- ✓ SSURGO soils coverage
- ✓ Vegetation
- ✓ Coastal wetlands habitat land use
- ✓ Air quality monitoring stations
- ✓ NWS weather stations / areas of coverage
- ✓ NCDC precipitation data

Projection:

Albers Equal Area projection with
Texas State Mapping System parameters.

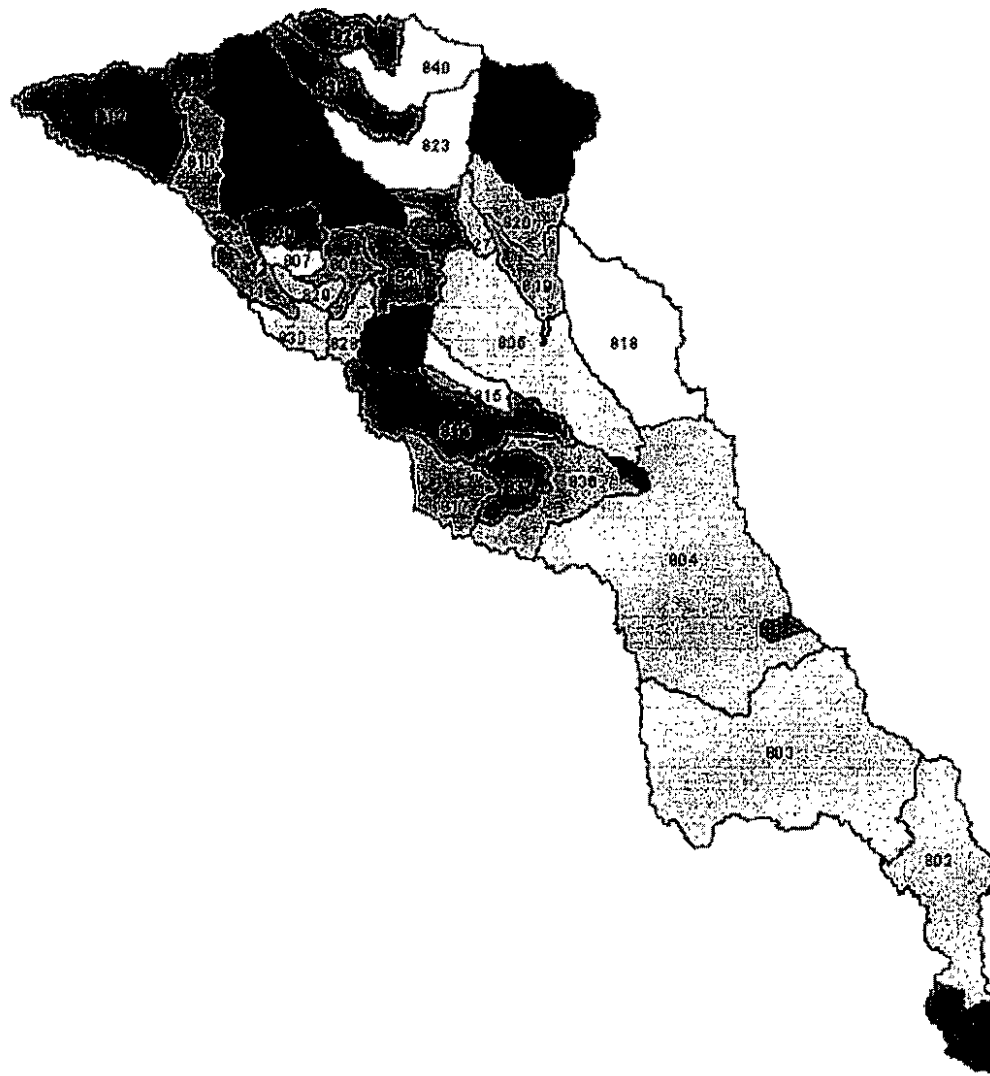


Watersheds of the Trinity Basin Water Quality Segments



Watersheds

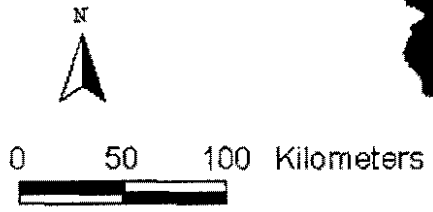
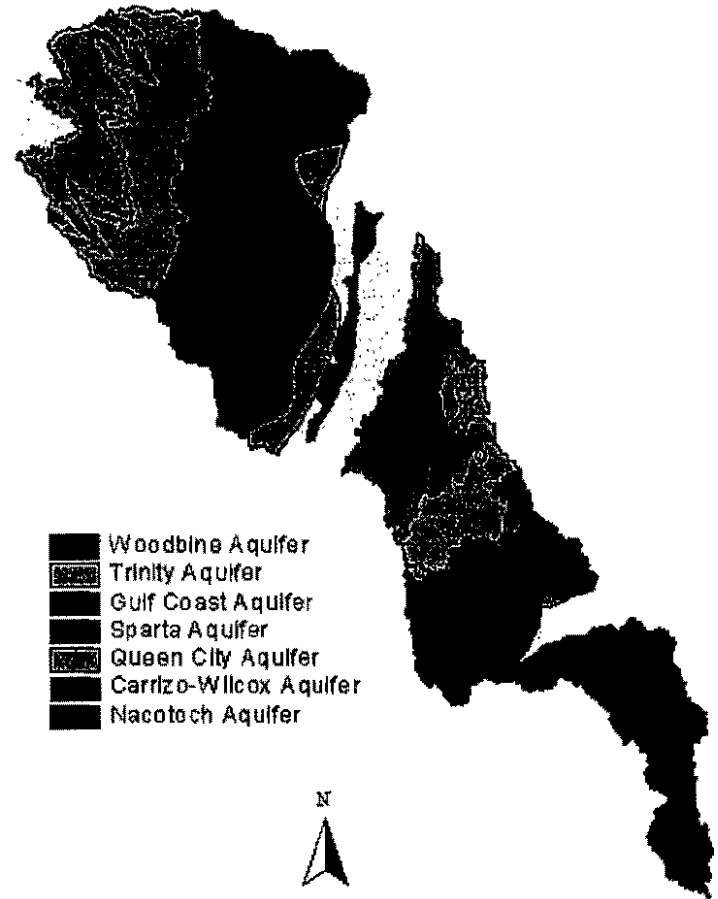
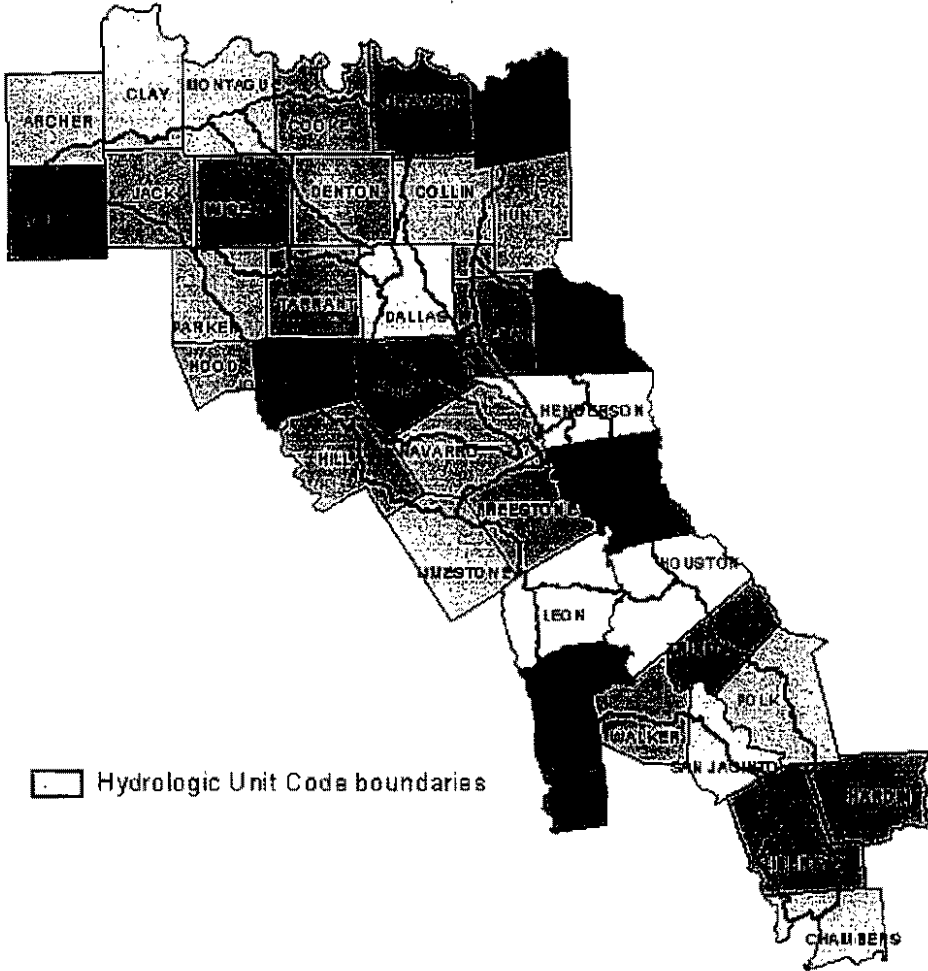
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County and Hydrologic Unit Code Boundaries

Groundwater Aquifers



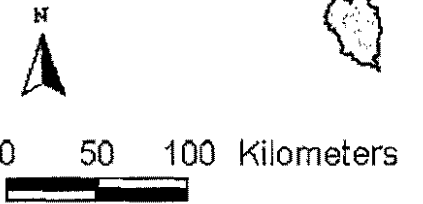
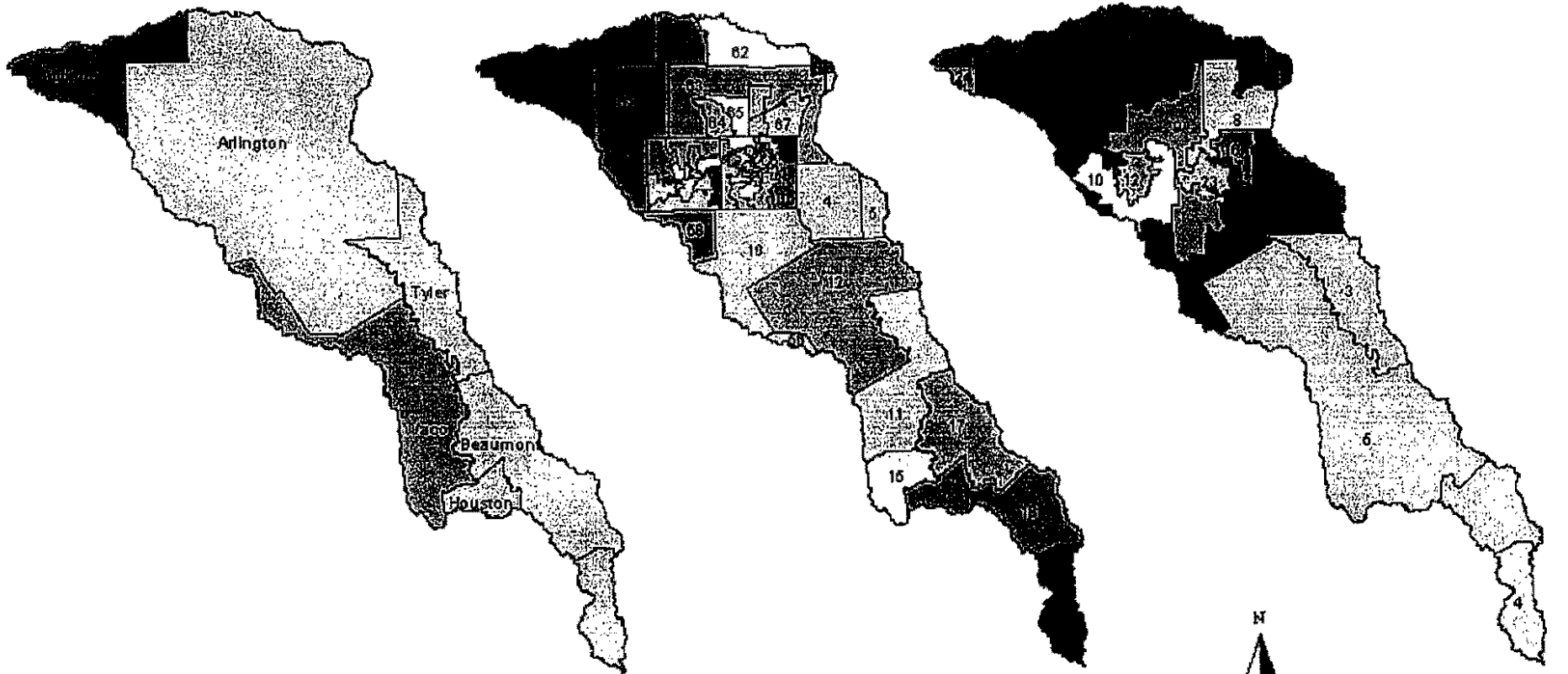


Geopolitical Information

TNRCC Service Regions

Tx State House of Representatives
Districts (75th legislature)

Tx State Senate Districts



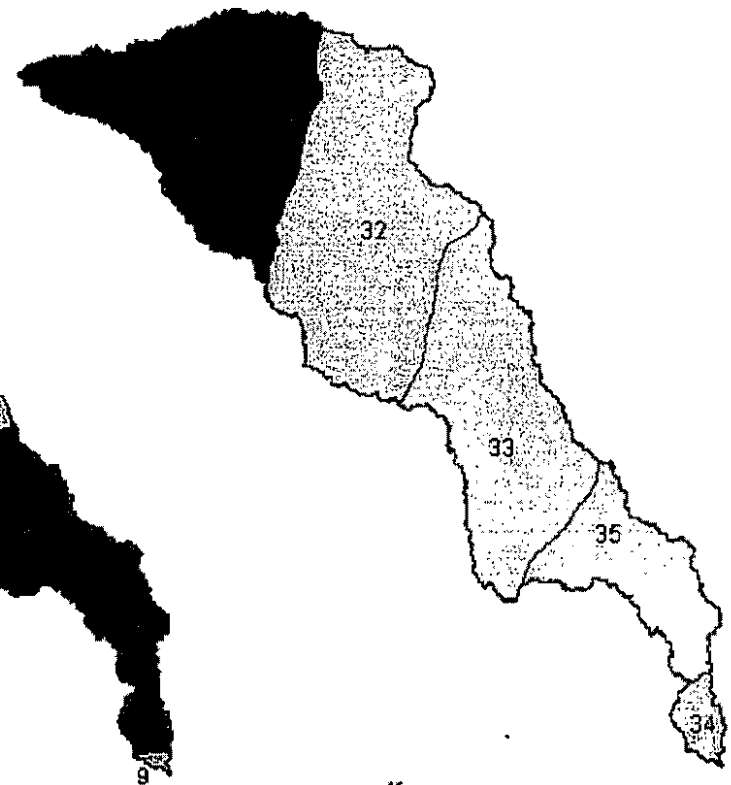
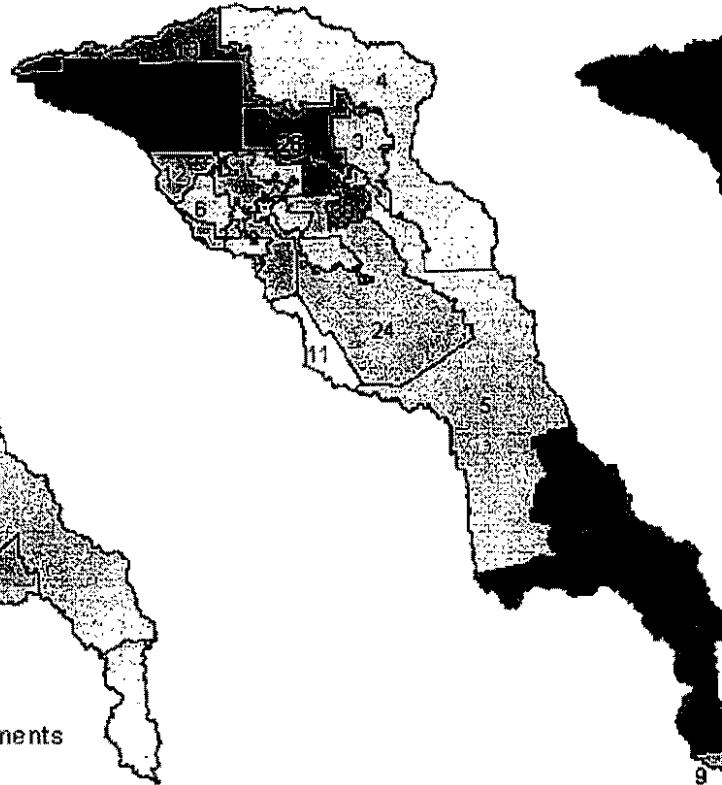
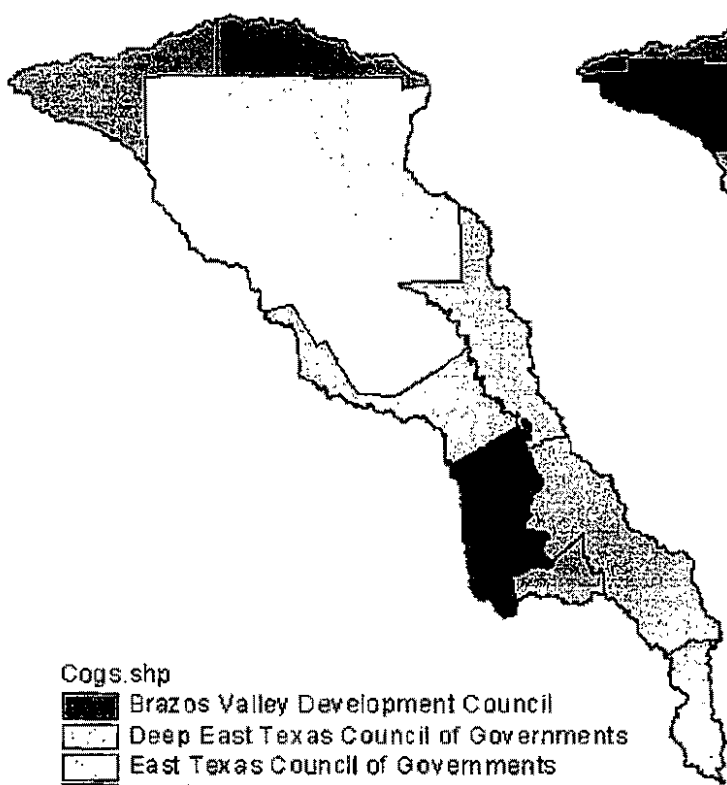


Geopolitical Information

Councils of Government

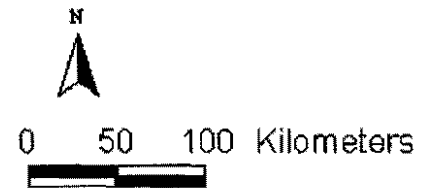
Federal Congressional Districts

Eco-Regions



Cogs.shp

- Brazos Valley Development Council
- Deep East Texas Council of Governments
- East Texas Council of Governments
- Heart of Texas Council of Governments
- Houston-Galveston Area Council
- Nortex Regional Planning Commission
- North Central Texas Council of Governments
- South East Texas Regional Planning Commission
- Texoma Council of Governments

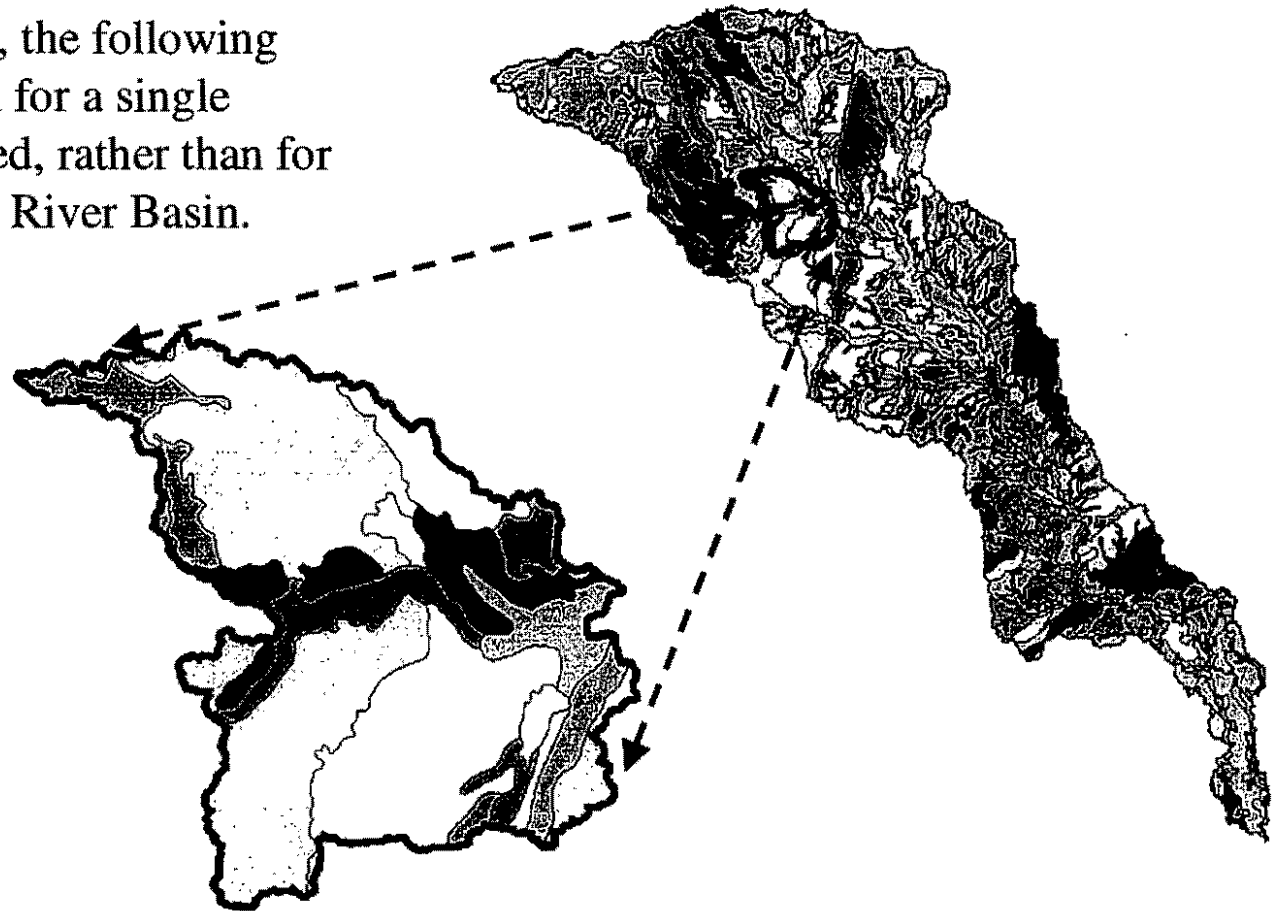




Features of TNRCC Management Segment 841 Lower West Fork Trinity River

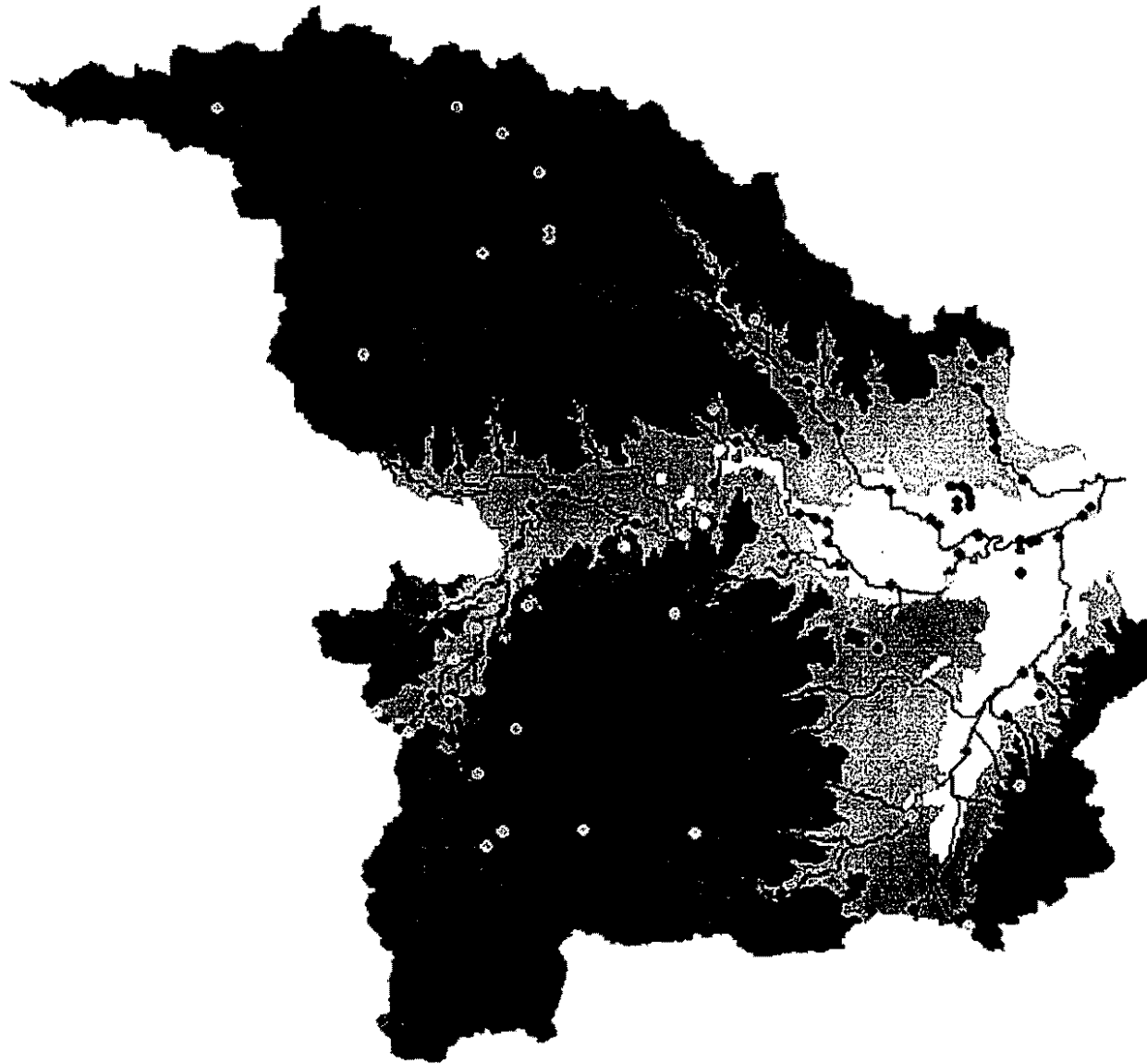


For greater detail, the following layers are viewed for a single segment watershed, rather than for the whole Trinity River Basin.





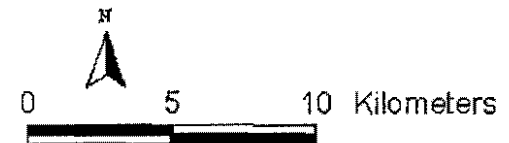
Hydrologic and Surface Water Management Data Layers TNRCC Segment 841



- USGS flow gage locations
- Surface water rights diversion points
- Surface water quality monitoring station
- Point locations of wastewater dischargers
- National sediment inventory stations
- Dams and hydrologic structures
- ∩ River network

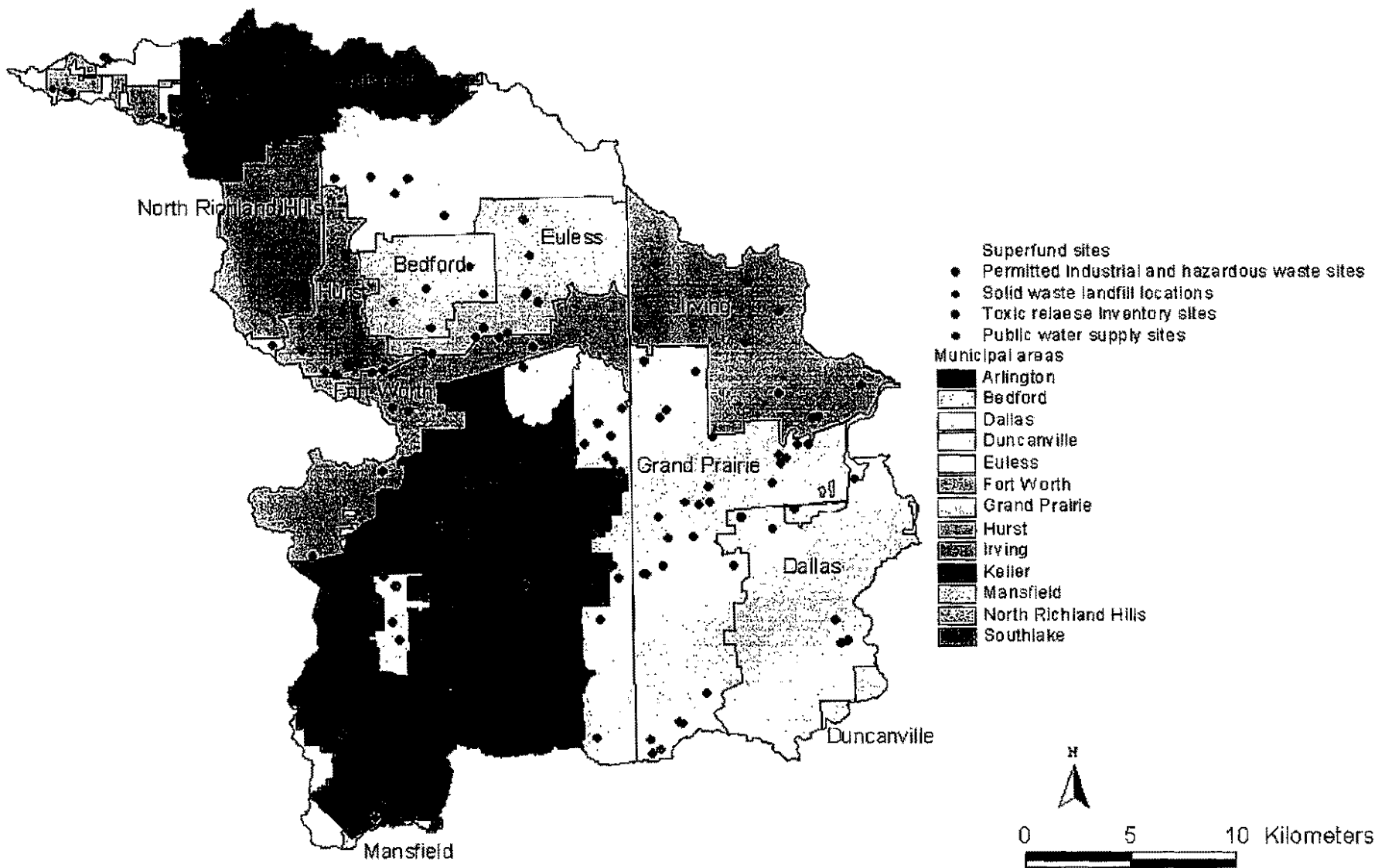
Digital Elevation Model [cm]

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	16001 - 18000
	18001 - 20000
	20001 - 22000
	22001 - 24000
	24001 - 26000
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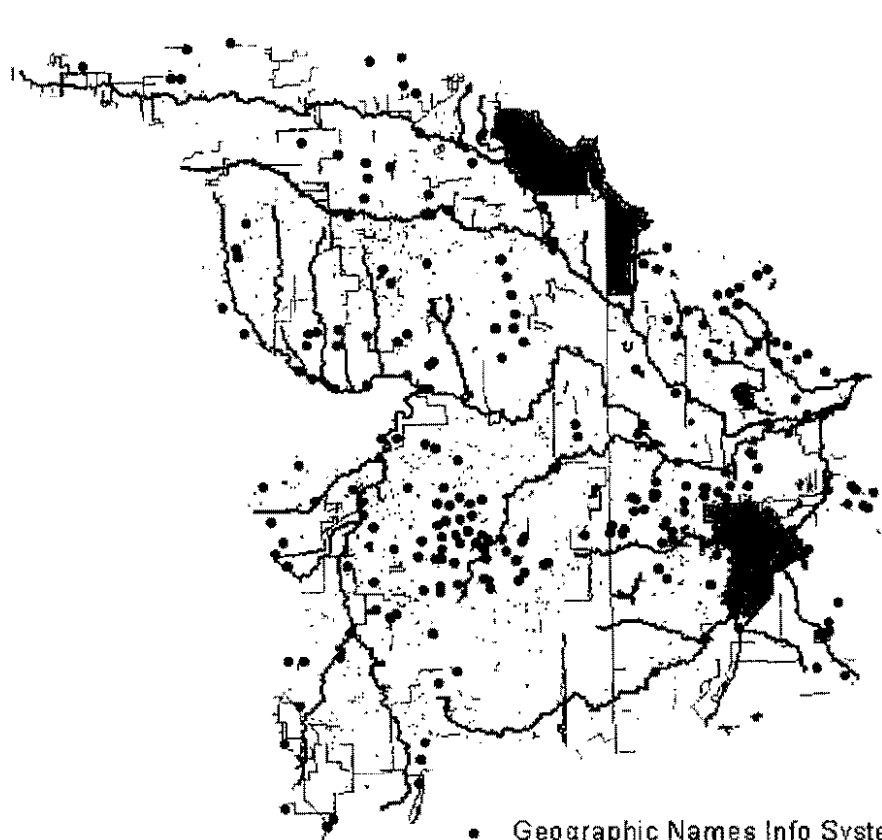


Municipal Areas and Regulatory Data Layers TNRCC Segment 841

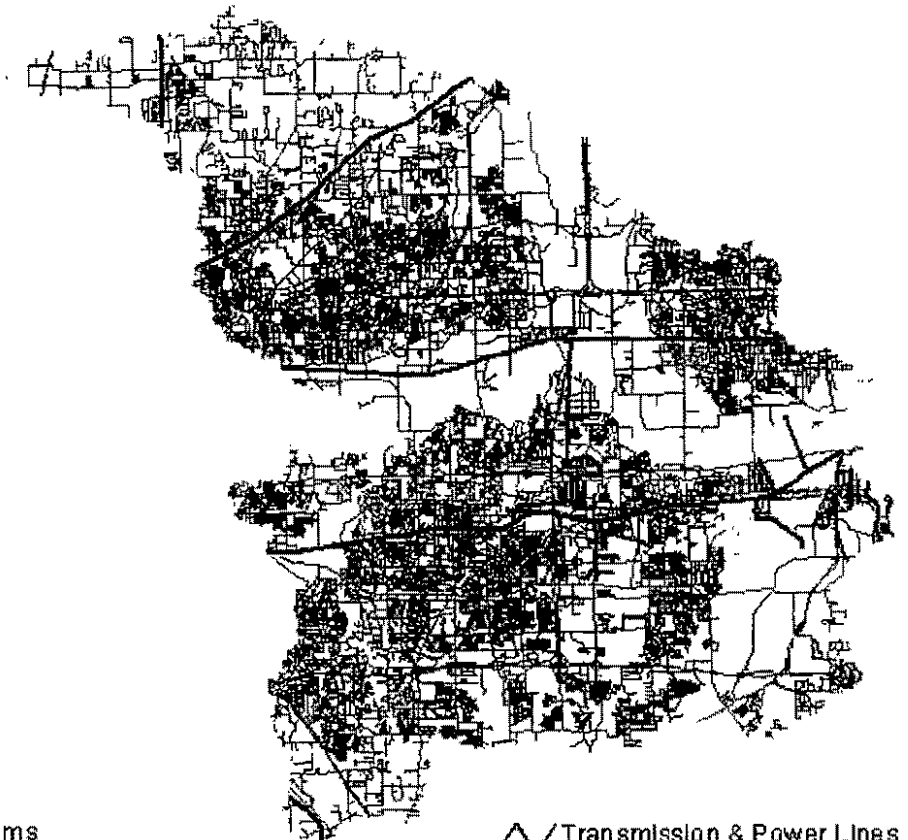




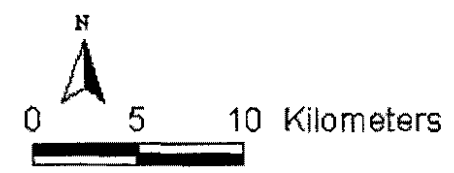
Census Tiger Files TNRCC Segment 841



- Geographic Names Info Systems
- Streams & Shorelines
- Non-Visible Boundaries
- Area Landmarks



- Transmission & Power Lines
- Railroads
- Airport Landing Strips
- Roads





Vegetation and Soil Information

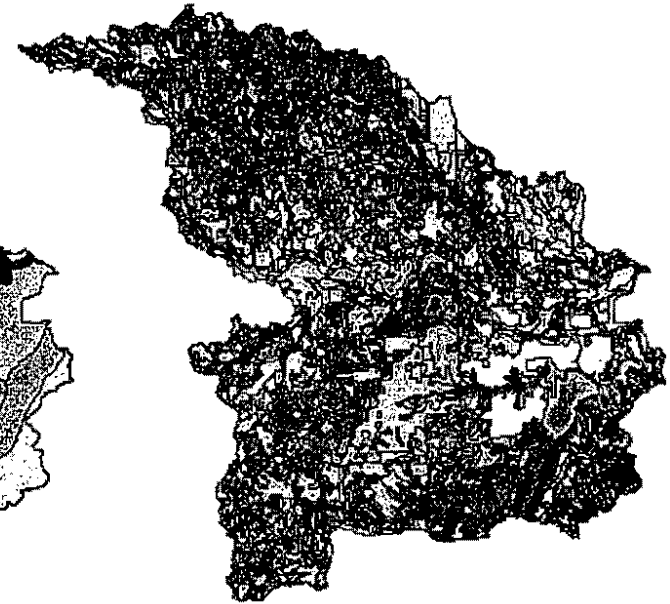
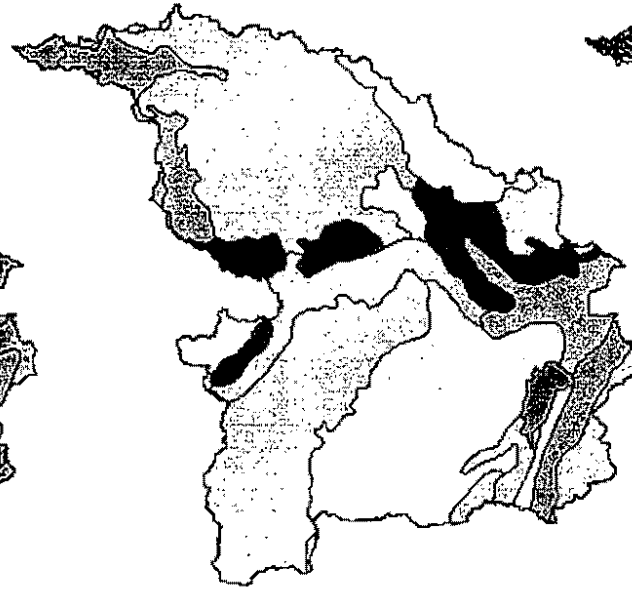
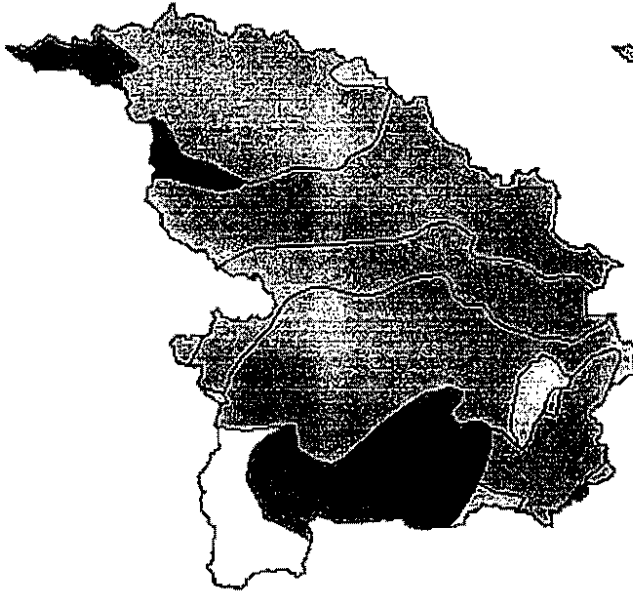
TNRCC Segment 841



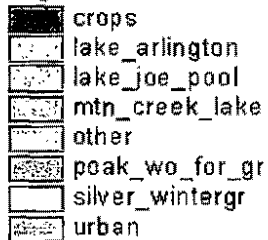
Vegetation

STATSGO Soils Coverage

SSURGO Soils Coverage



Vegetation



STATSGO soils coverage

