

APPENDIX B: Geodatabase and Map Information

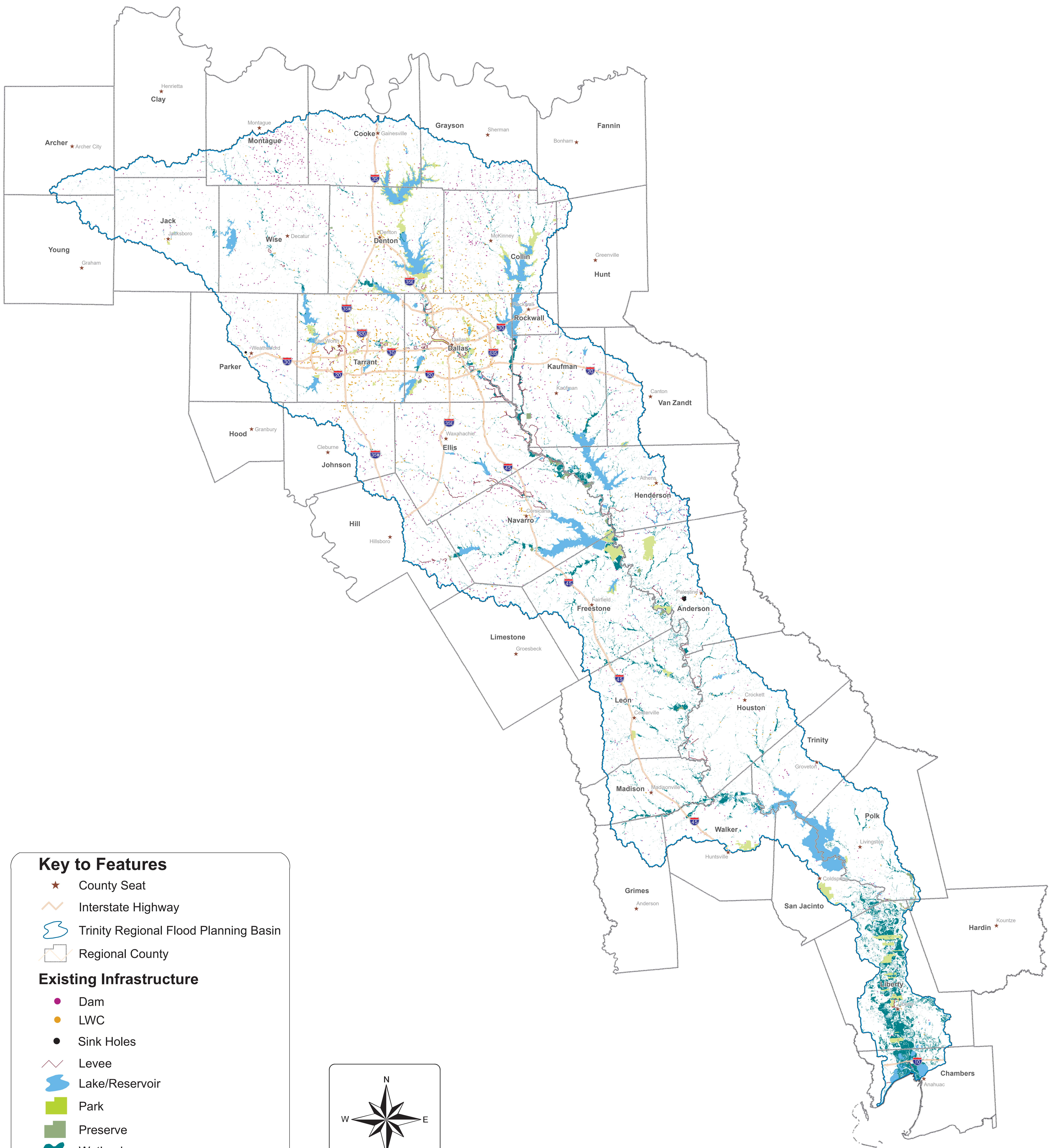
Table 2.1: Geodatabases Layers and Tables – Existing Conditions

Item Name	Description	Feature Class Name	Data Format Polygon/Line/ Point/GDB Table
Existing Flood Hazard	Perform existing condition flood hazard analyses to determine the location and magnitude of both 1.0% annual chance and 0.2% annual chance flood events	ExFldHazard	Polygon
Existing Flood Mapping Gaps	Existing Gaps in inundation boundary mapping	Ex_Map_Gaps	Polygon
Existing Exposure	Develop high-level, region-wide, and largely GIS-based existing condition flood exposure analyses using the information identified in the flood hazard analysis to identify who and what might be harmed within the region for, at a minimum, both 1.0% annual chance and 0.2% annual chance flood events	ExFldExpPol	Polygon
	Develop high-level, region-wide, and largely GIS-based existing condition flood exposure analyses using the information identified in the flood hazard analysis to identify who and what might be harmed within the region for, at a minimum, both 1.0% annual chance and 0.2% annual chance flood events	ExFldExpLn	Polyline
	Develop high-level, region-wide, and largely GIS-based existing condition flood exposure analyses using the information identified in the flood hazard analysis to identify who and what might be harmed within the region for, at a minimum, both 1.0% annual chance and 0.2% annual chance flood events	ExFldExpPt	Point
Existing Exposure	Combines the Exposure Poly, Line, and Point data into a single master layer, also includes Vulnerability data	ExFldExpAll	Point

Table 2.2: Geodatabases Layers and Tables – Future Conditions

Item Name	Description	Feature Class Name	Data Format (Polygon/Line/Point/GDB Table)
Future Flood Hazard	Perform future condition flood hazard analyses to determine the location and magnitude of both 1.0% annual chance and 0.2% annual chance flood events	FutFldHazard	Polygon
Future Flood Mapping Gaps	Future Gaps in inundation boundary mapping	Fut_Map_Gaps	Polygon
Future Exposure	Develop high-level, region-wide, and largely GIS-based future condition flood exposure analyses using the information identified in the flood hazard analysis to identify who and what might be harmed within the region for, at a minimum, both 1.0% annual chance and 0.2% annual chance flood events	FutFldExpPol	Polygon
	Develop high-level, region-wide, and largely GIS-based future condition flood exposure analyses using the information identified in the flood hazard analysis to identify who and what might be harmed within the region for, at a minimum, both 1.0% annual chance and 0.2% annual chance flood events	FutFldExpLn	Polyline
	Develop high-level, region-wide, and largely GIS-based Future condition flood exposure analyses using the information identified in the flood hazard analysis to identify who and what might be harmed within the region for, at a minimum, both 1.0%	FutFldExpPt	Point

Item Name	Description	Feature Class Name	Data Format (Polygon/Line/ Point/GDB Table)
	annual chance and 0.2% annual chance flood events		
Future Exposure	Combines the Exposure Poly, Line, and Point data into a single master layer, also includes Vulnerability data	FutFldExpAll	Point

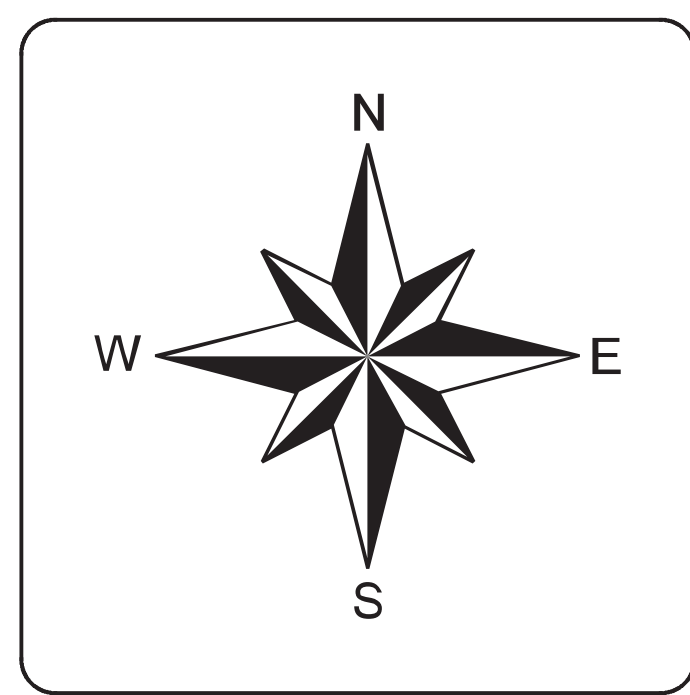


Key to Features

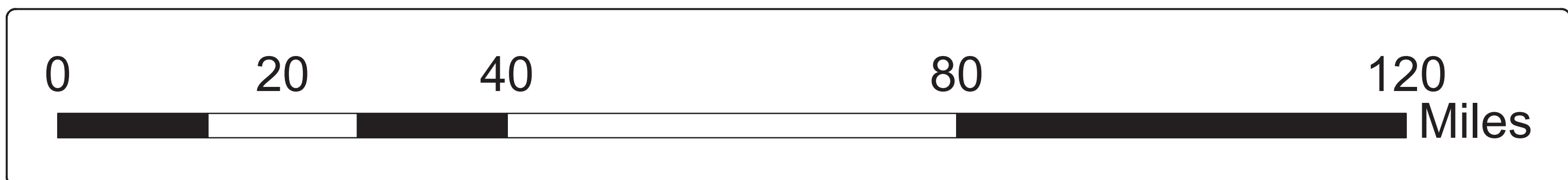
- ★ County Seat
- Interstate Highway
- Trinity Regional Flood Planning Basin
- Regional County

Existing Infrastructure

- Dam
- LWC
- Sink Holes
- Levee
- Lake/Reservoir
- Park
- Preserve
- Wetland



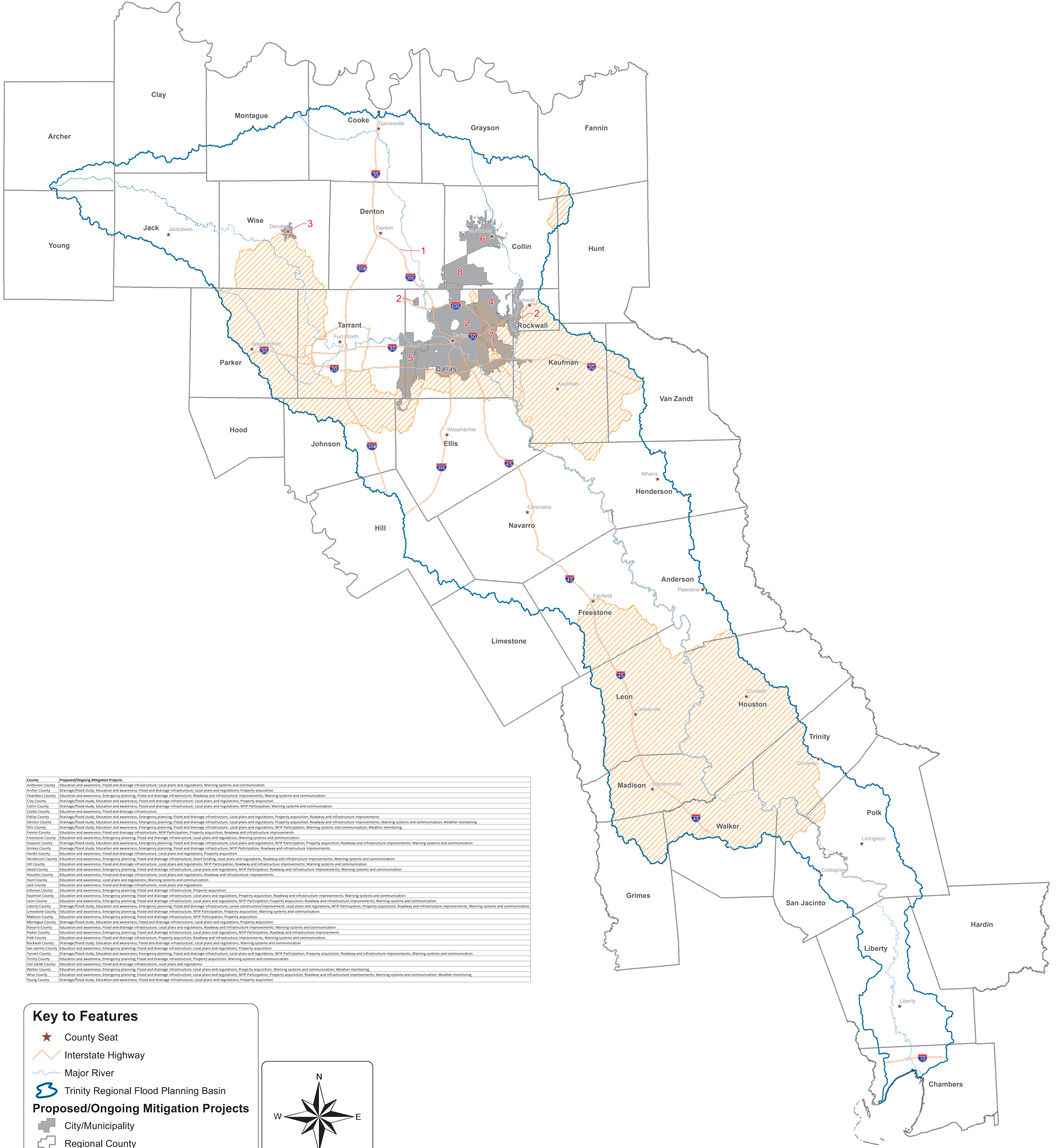
* Entities do not want to publicly show information they provided related to flood infrastructure like storm-related systems on a map



Region 3 - Trinity

**Map 1
Existing Flood Infrastructure**

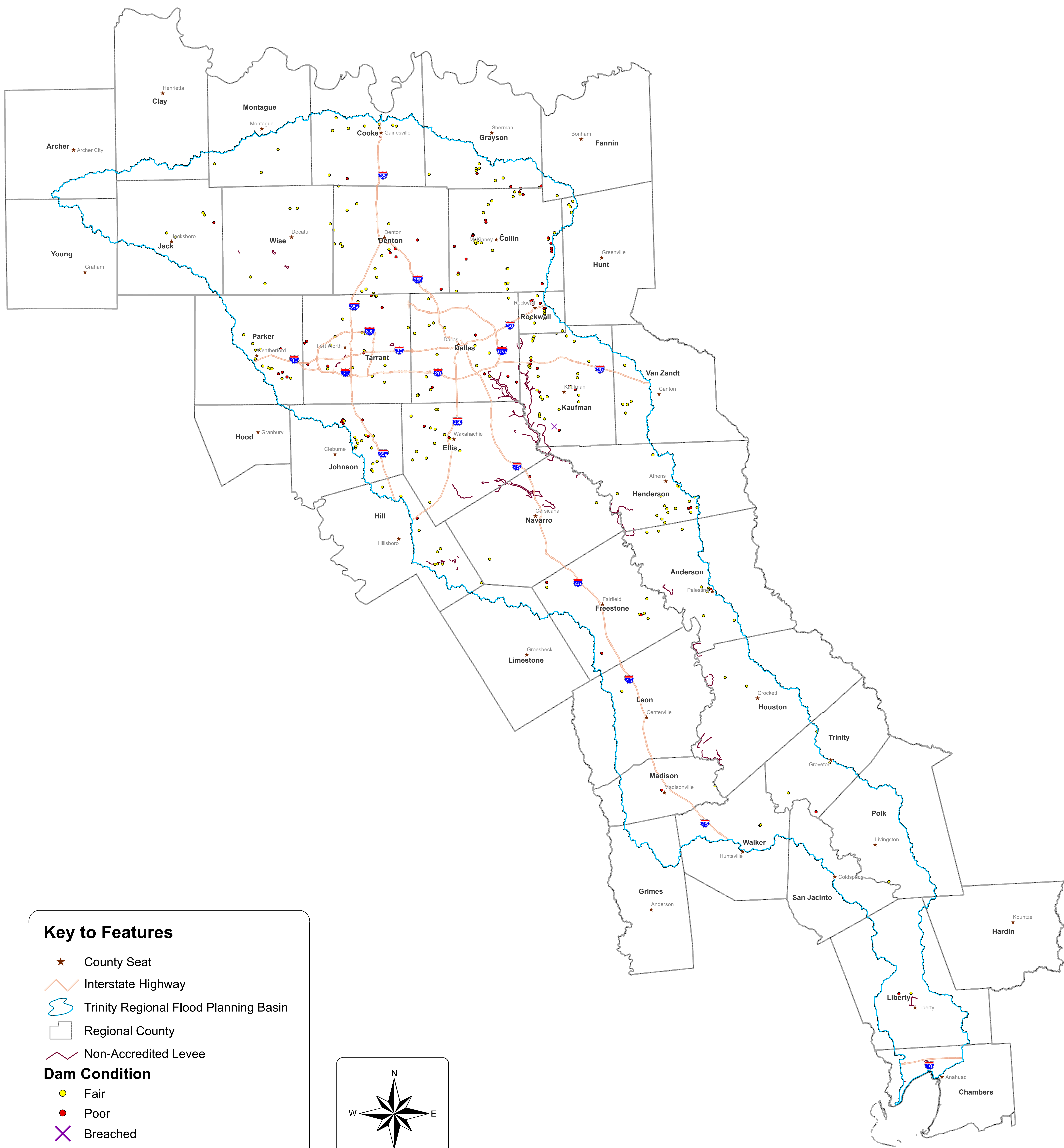
Entity Key	Entity	Proposed/Ongoing Mitigation Projects
1.	City of Corinth	Grant funding
2.	City of Dallas	Education and awareness; Emergency planning; Flood and drainage infrastructure; Levee construction/improvement; Local plans and regulations; Property acquisition; Warning systems and communication
3.	City of Decatur	Education and awareness; Emergency planning; Local plans and regulations; Warning systems and communication
4.	City of Garland	Drainage/flood study; Flood and drainage infrastructure; Local plans and regulations
5.	City of Grand Prairie	Flood and drainage infrastructure; Warning systems and communication
6.	City of McKinney	Education and awareness; Emergency planning; Local plans and regulations; Warning systems and communication
7.	City of Mesquite	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; Participation in NFIP; Warning systems and communication
8.	City of Plano	Emergency planning; Flood and drainage infrastructure; Property acquisition
	TWDB FIF Category 1	Drainage/flood study; Flood and drainage infrastructure; Local plans and regulations



County	Proposed/Ongoing Mitigation Projects
Anderson County	Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Warning systems and communication
Archer County	Drainage/flood study; Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Property acquisition
Chambers County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Roadway and infrastructure improvements; Warning systems and communication
Clay County	Drainage/flood study; Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Property acquisition
Collin County	Drainage/flood study; Education and awareness; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Warning systems and communication
Cooke County	Education and awareness; Flood and drainage infrastructure
Dallas County	Drainage/flood study; Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; Property acquisition; Roadway and infrastructure improvements
Denton County	Drainage/flood study; Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; Property acquisition; Roadway and infrastructure improvements; Warning systems and communication; Weather monitoring
Ellis County	Drainage/flood study; Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Warning systems and communication; Weather monitoring
Franklin County	Education and awareness; Flood and drainage infrastructure; NFIP Participation; Property acquisition; Roadway and infrastructure improvements
Freestone County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; Warning systems and communication
Grayson County	Drainage/flood study; Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Property acquisition; Roadway and infrastructure improvements; Warning systems and communication
Gilmer County	Drainage/flood study; Education and awareness; Emergency planning; Flood and drainage infrastructure; NFIP Participation; Roadway and infrastructure improvements
Hardin County	Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Property acquisition
Henderson County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Grant funding; Local plans and regulations; Roadway and infrastructure improvements; Warning systems and communication
Hill County	Education and awareness; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Roadway and infrastructure improvements; Warning systems and communication
Hood County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Roadway and infrastructure improvements; Warning systems and communication
Houston County	Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Roadway and infrastructure improvements; Warning systems and communication
Hunt County	Education and awareness; Local plans and regulations; Warning systems and communication
Jack County	Education and awareness; Flood and drainage infrastructure; Local plans and regulations
Johnson County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Property acquisition
Kaufman County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; Property acquisition; Roadway and infrastructure improvements; Warning systems and communication
Leon County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Property acquisition; Roadway and infrastructure improvements; Warning systems and communication
Limestone County	Education and awareness; Emergency planning; Flood and drainage infrastructure; NFIP Participation; Property acquisition; Warning systems and communication
Madison County	Education and awareness; Emergency planning; Flood and drainage infrastructure; NFIP Participation; Property acquisition
Montague County	Drainage/flood study; Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Property acquisition
Navarro County	Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Roadway and infrastructure improvements; Warning systems and communication
Parker County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Roadway and infrastructure improvements
Polk County	Education and awareness; Flood and drainage infrastructure; Property acquisition; Roadway and infrastructure improvements; Warning systems and communication
Rockwell County	Drainage/flood study; Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Warning systems and communication
San Jacinto County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; Property acquisition
Tarrant County	Drainage/flood study; Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Property acquisition; Roadway and infrastructure improvements; Warning systems and communication
Trinity County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Property acquisition; Warning systems and communication
Van Zandt County	Education and awareness; Flood and drainage infrastructure; Local plans and regulations
Walker County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; Property acquisition; Warning systems and communication; Weather monitoring
Wise County	Education and awareness; Emergency planning; Flood and drainage infrastructure; Local plans and regulations; NFIP Participation; Property acquisition; Roadway and infrastructure improvements; Warning systems and communication; Weather monitoring
Young County	Drainage/flood study; Education and awareness; Flood and drainage infrastructure; Local plans and regulations; Property acquisition

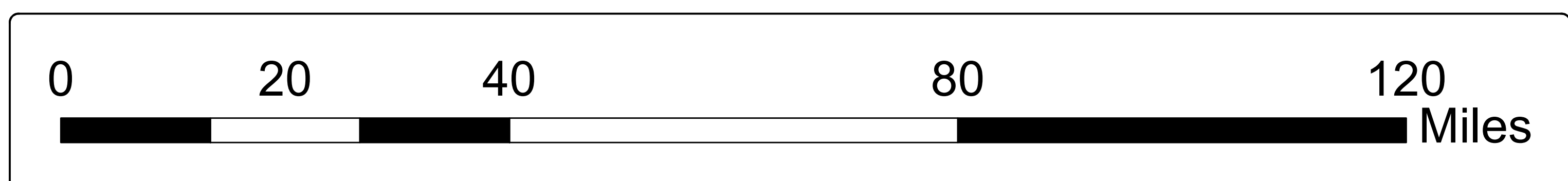
Region 3 - Trinity

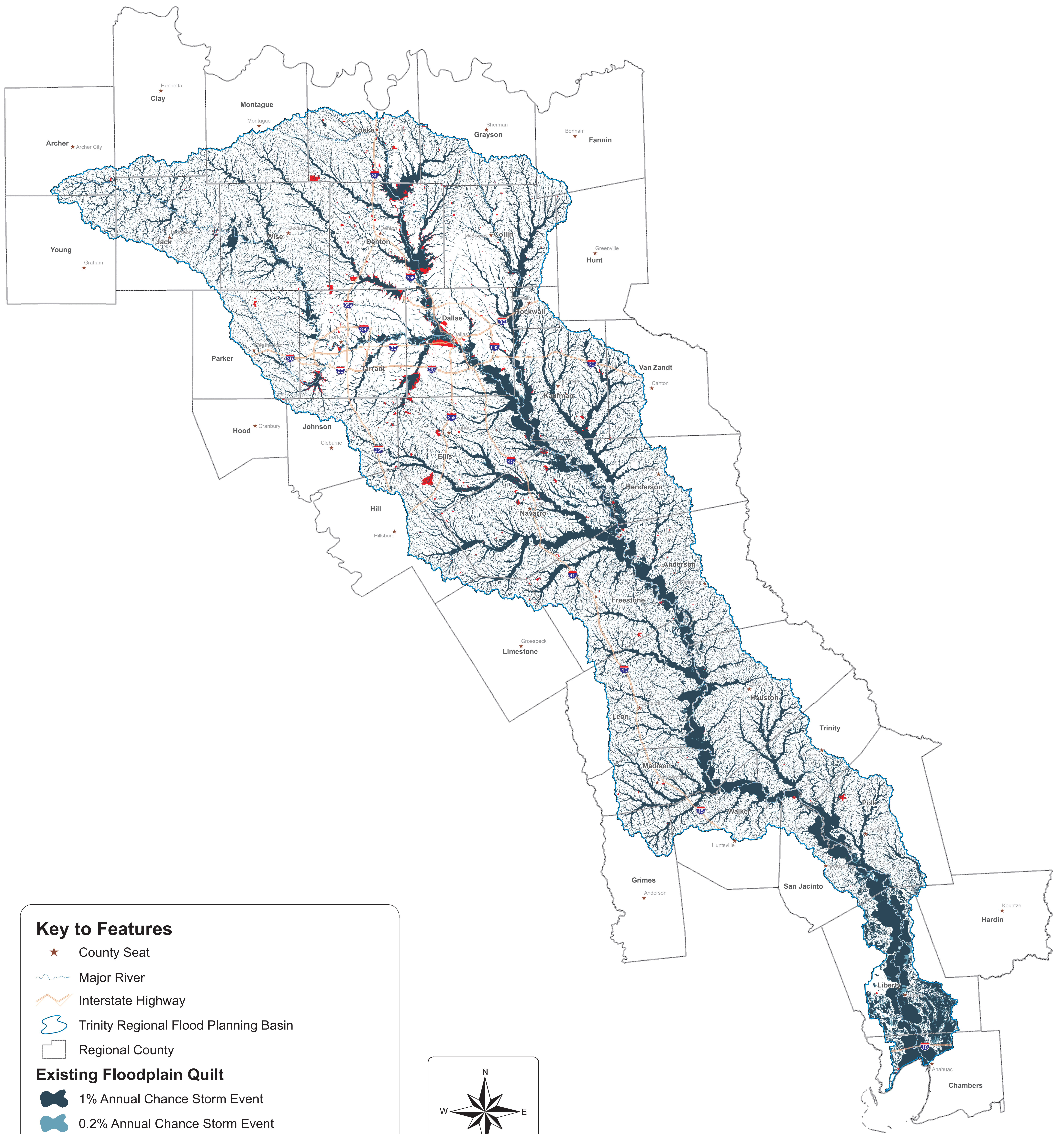
**Map 2
Proposed or Ongoing Flood
Mitigation Projects**



Region 3 - Trinity

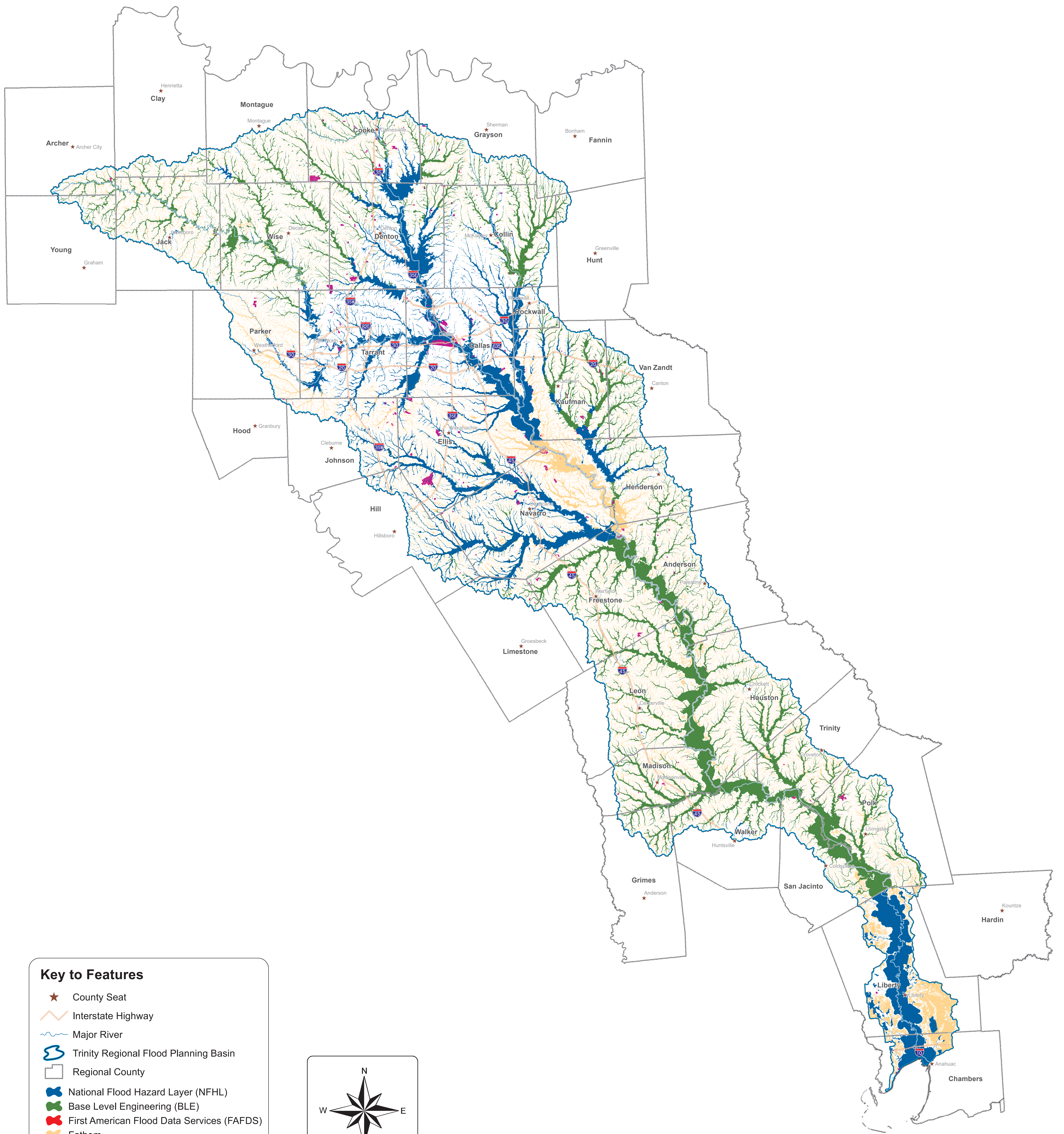
**Map 3
Non-Functional or Deficient Flood
Mitigation Infrastructure**





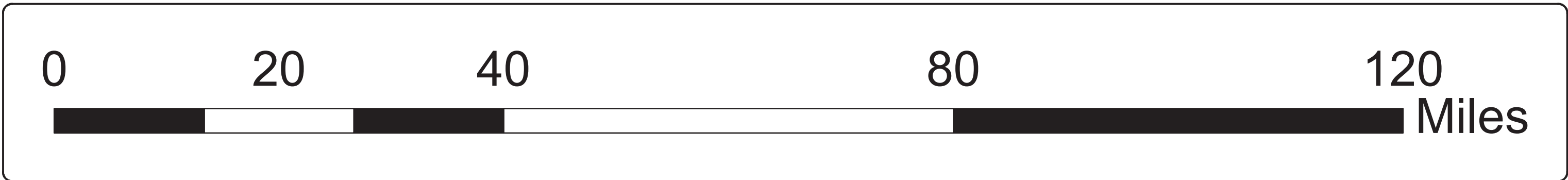
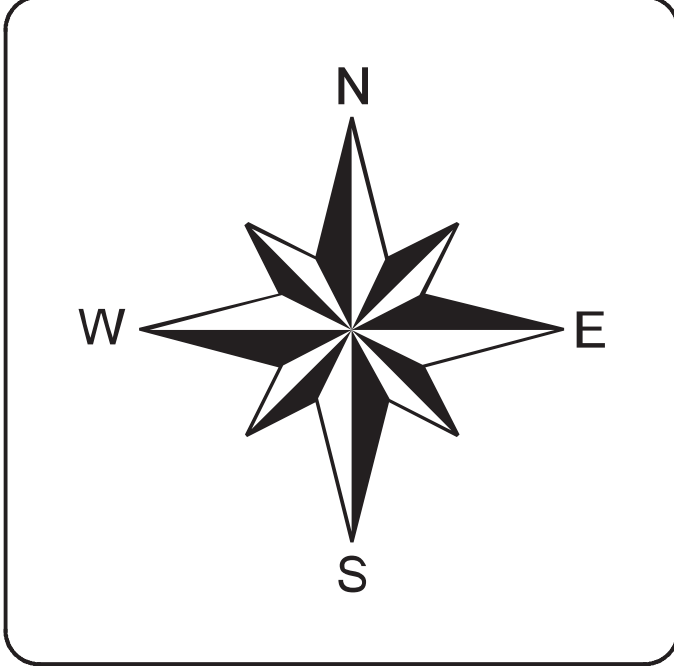
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**Map 4
Existing Conditions Flood
Hazard**



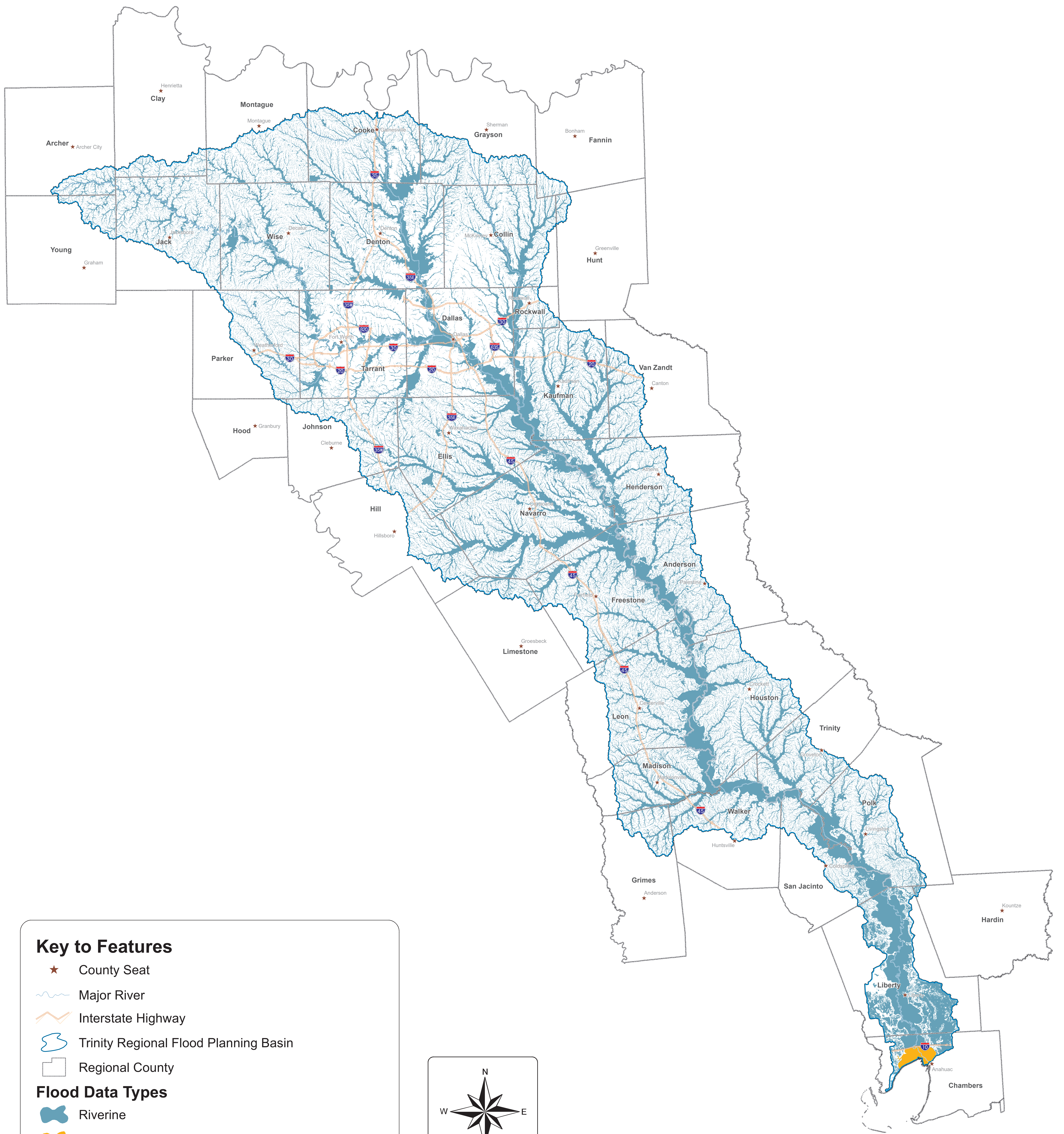
Key to Features

- ★ County Seat
- Interstate Highway
- Major River
- Trinity Regional Flood Planning Basin
- Regional County
- National Flood Hazard Layer (NFHL)
- Base Level Engineering (BLE)
- First American Flood Data Services (FAFDS)
- Fathom
- Other Public Datasets



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**Map 4.1
Flood Data Sources**

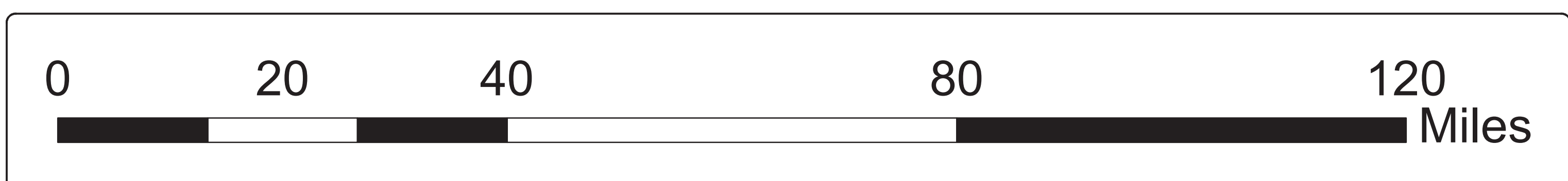
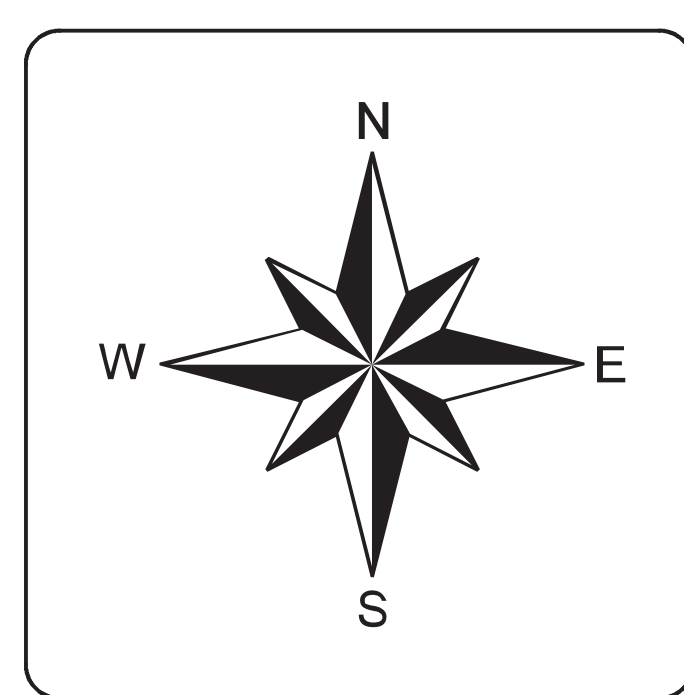


Key to Features

- ★ County Seat
- Major River
- Interstate Highway
- Trinity Regional Flood Planning Basin
- Regional County

Flood Data Types

- Riverine
- Coastal



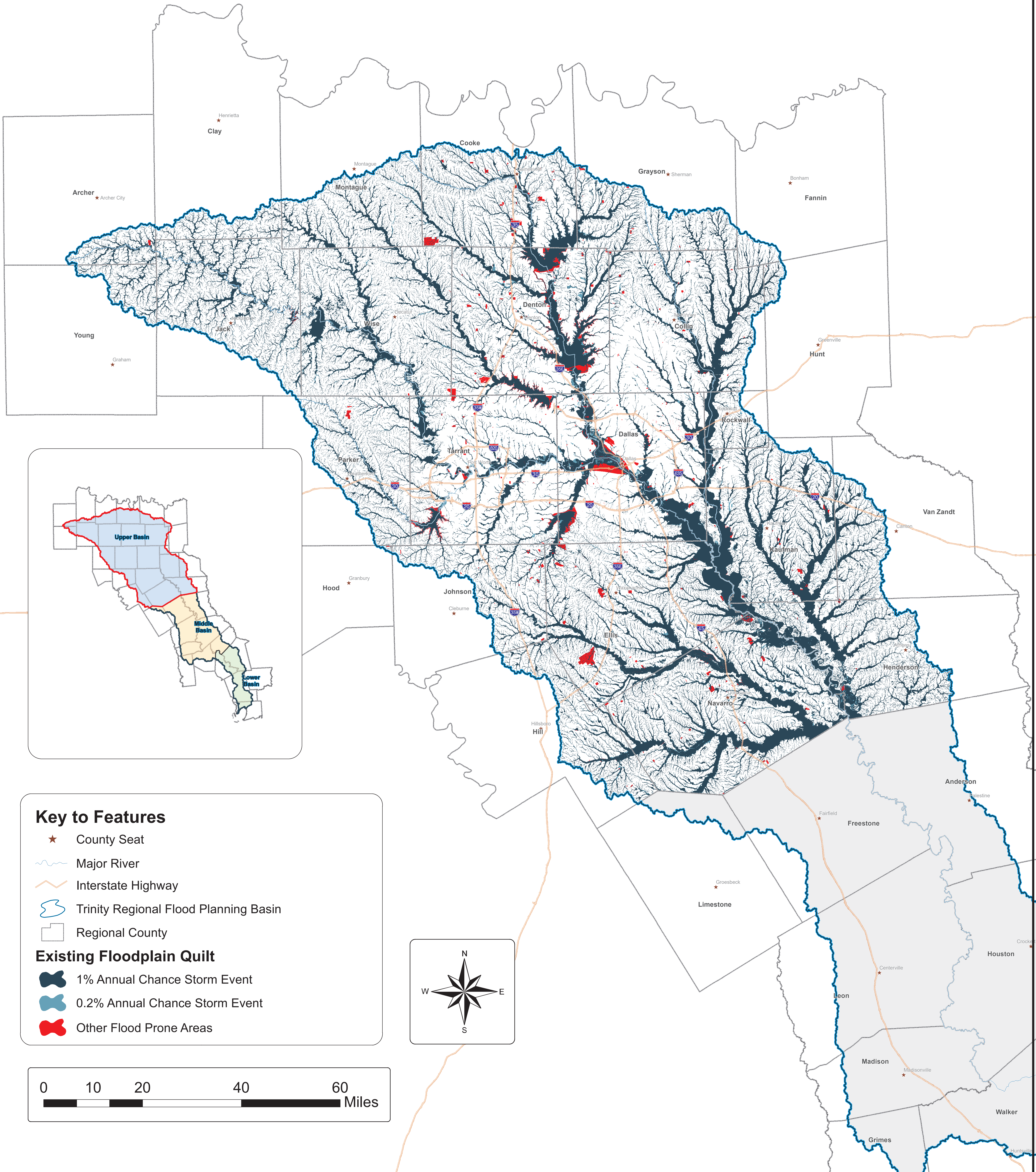
Region 3 - Trinity

**Map 4.2
Flood Data Types**

Region 3 - Trinity

Map 4.3

Existing Condition Flood Hazard (Upper Basin)

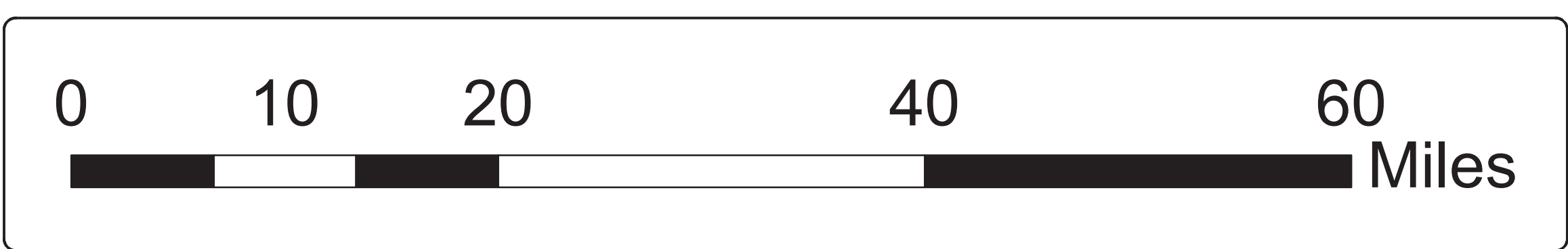
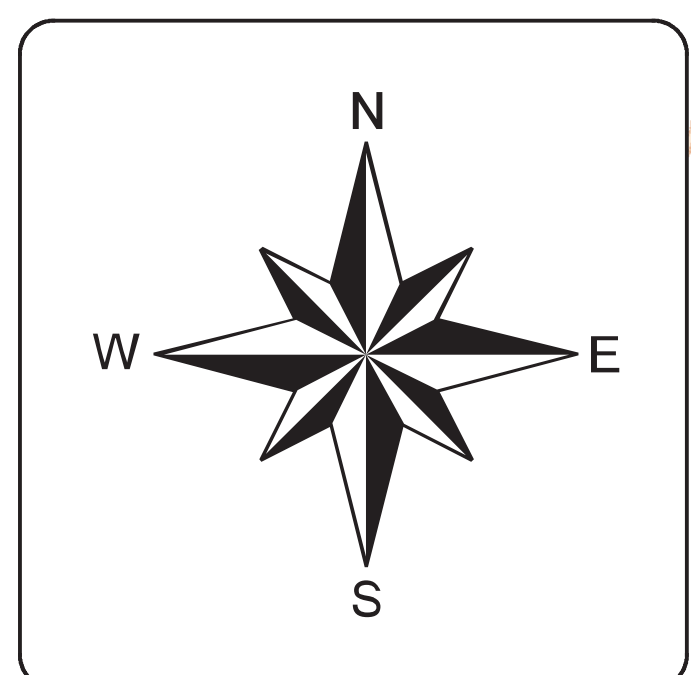


Key to Features

- ★ County Seat
- ~ Major River
- Interstate Highway
- ☞ Trinity Regional Flood Planning Basin
- ☐ Regional County

Existing Floodplain Quilt

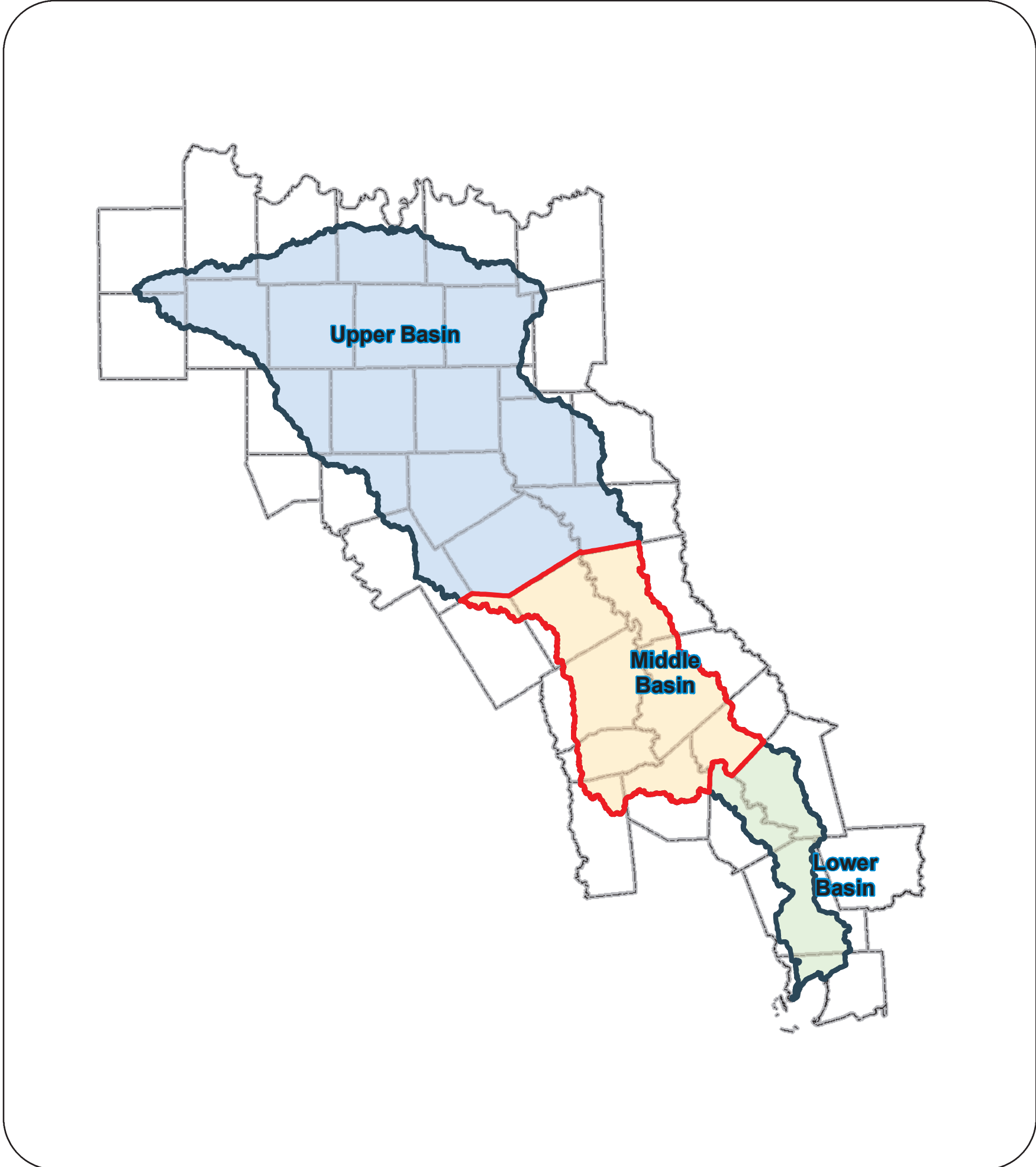
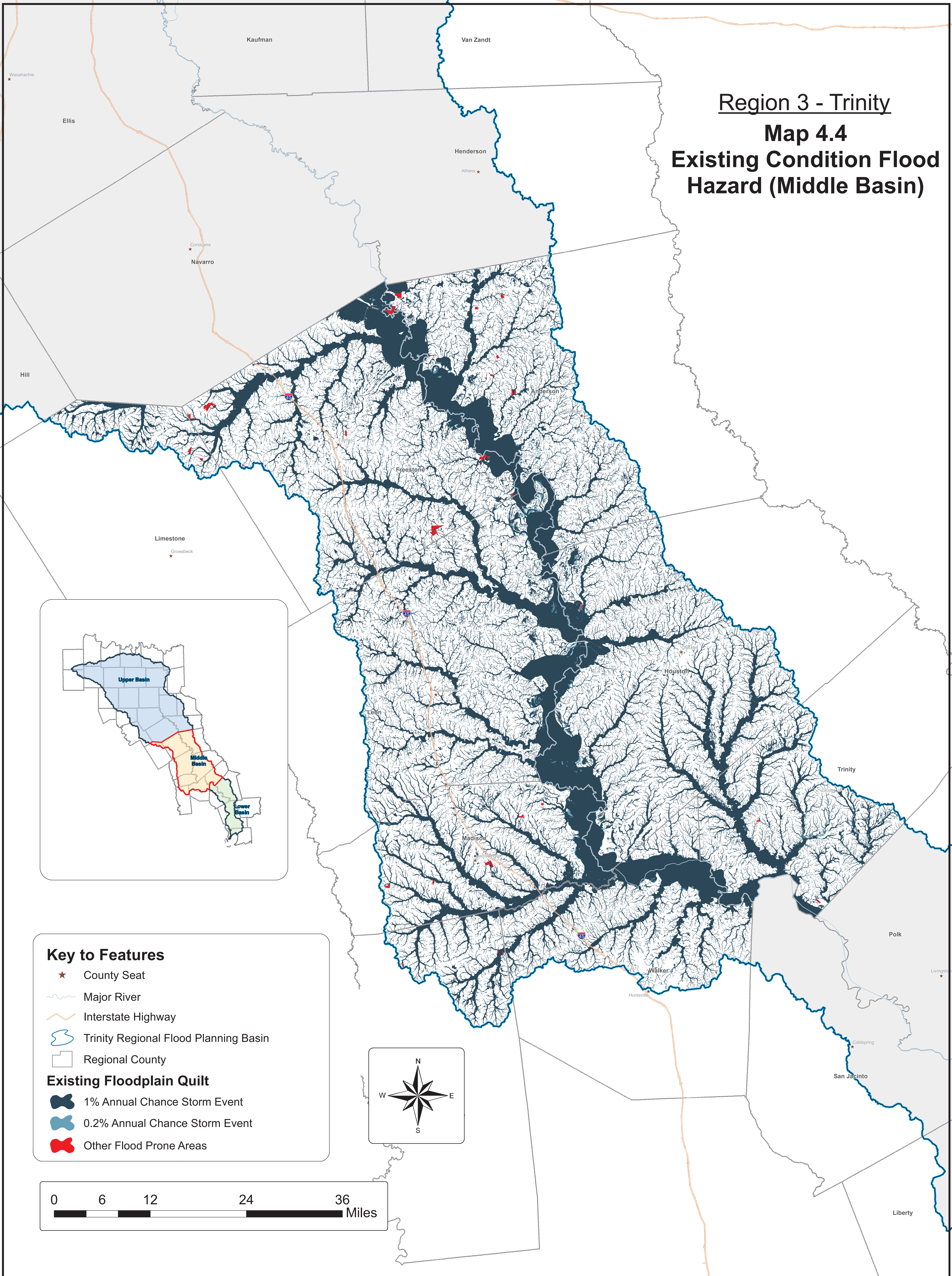
- ☞ 1% Annual Chance Storm Event
- ☞ 0.2% Annual Chance Storm Event
- ☞ Other Flood Prone Areas



Region 3 - Trinity

Map 4.4

Existing Condition Flood Hazard (Middle Basin)

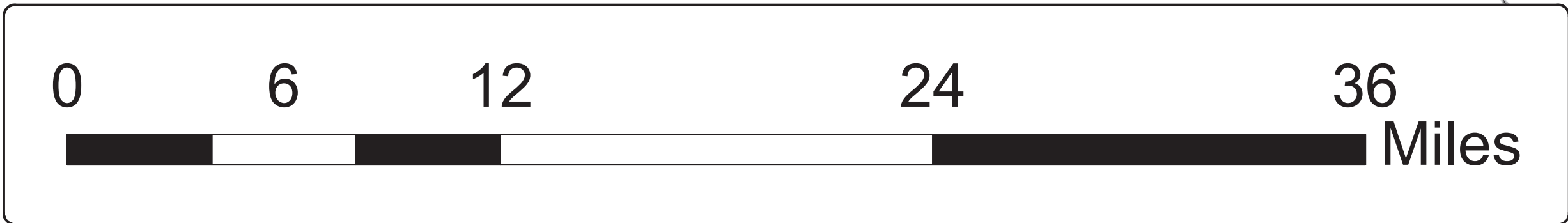
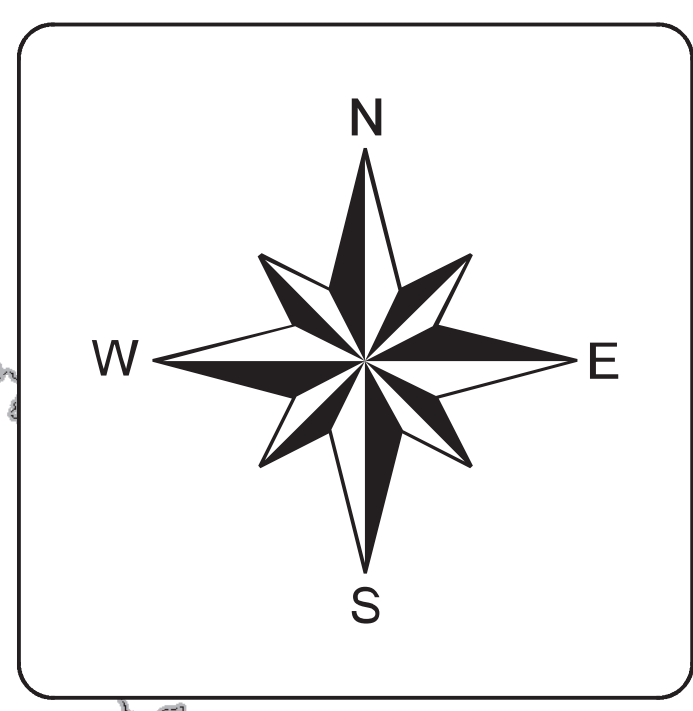


Key to Features

- ★ County Seat
- ~ Major River
- Interstate Highway
- Trinity Regional Flood Planning Basin
- Regional County

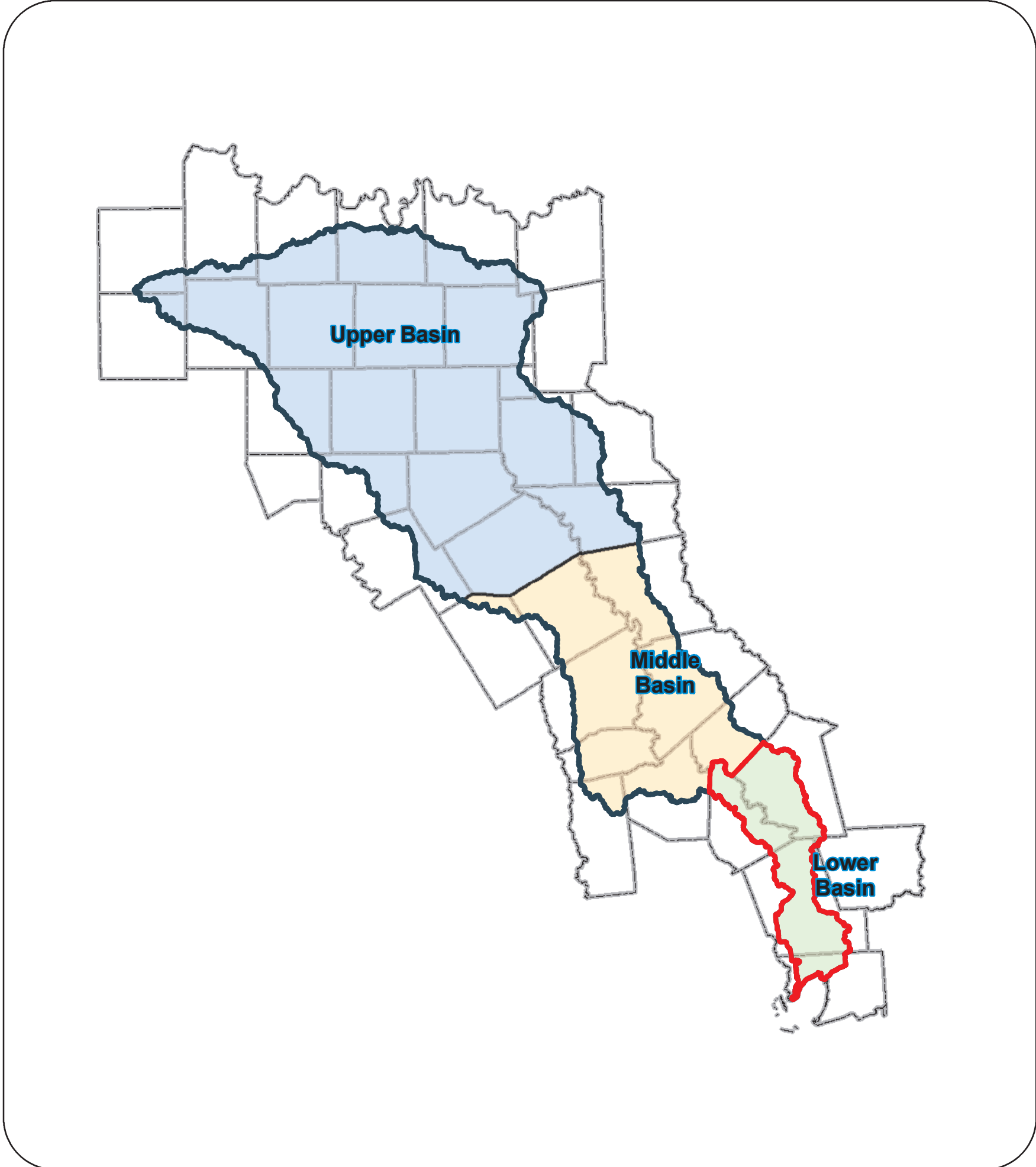
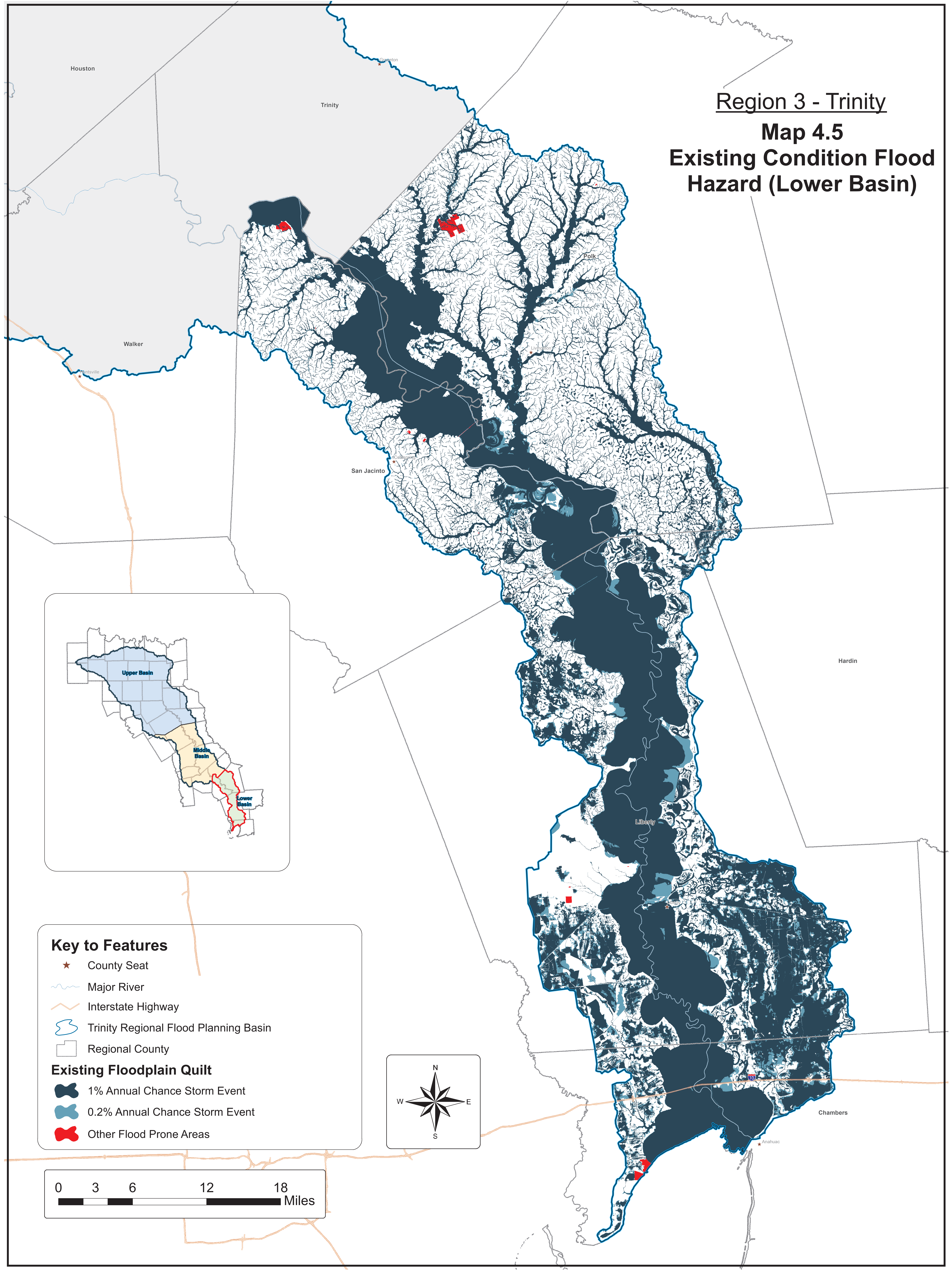
Existing Floodplain Quilt

- 1% Annual Chance Storm Event
- 0.2% Annual Chance Storm Event
- Other Flood Prone Areas



Region 3 - Trinity

Map 4.5
Existing Condition Flood
Hazard (Lower Basin)

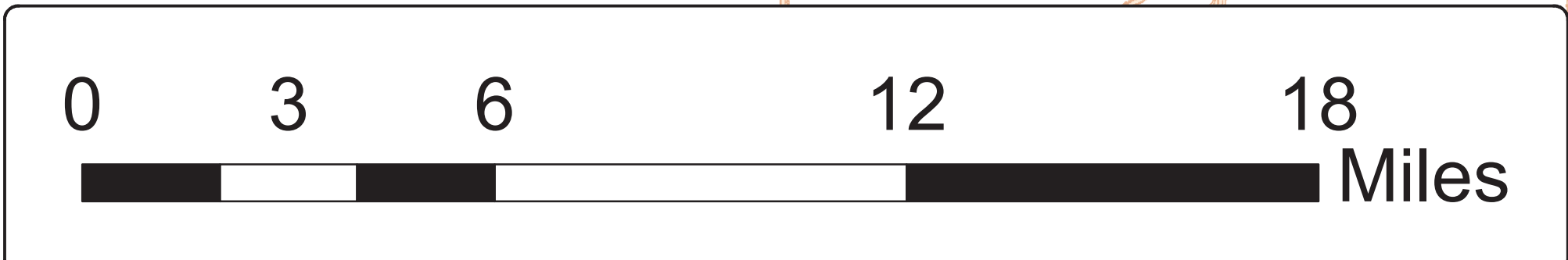
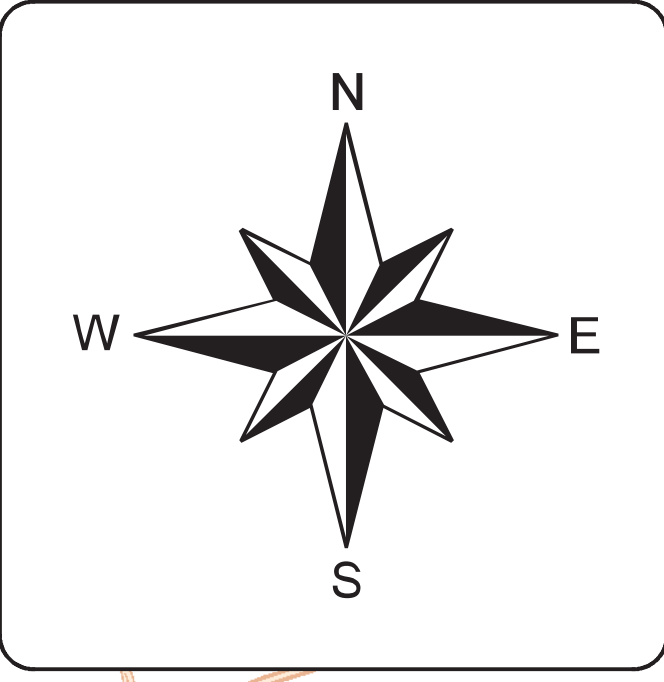


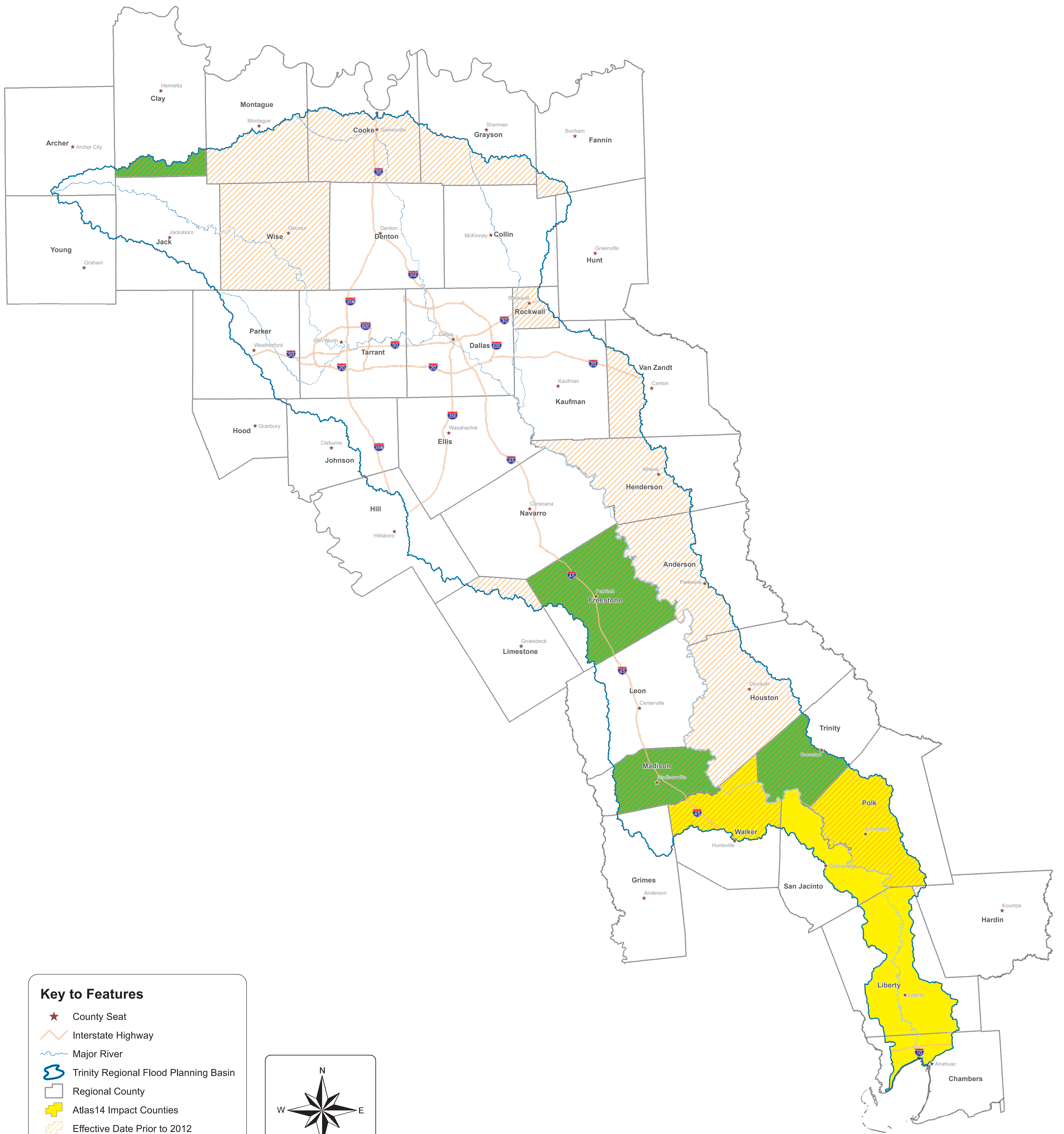
Key to Features

- ★ County Seat
- Major River
- Interstate Highway
- Trinity Regional Flood Planning Basin
- Regional County

Existing Floodplain Quilt

- 1% Annual Chance Storm Event
- 0.2% Annual Chance Storm Event
- Other Flood Prone Areas



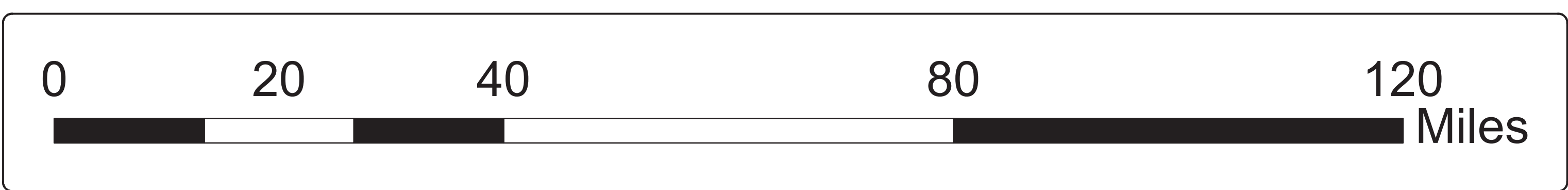
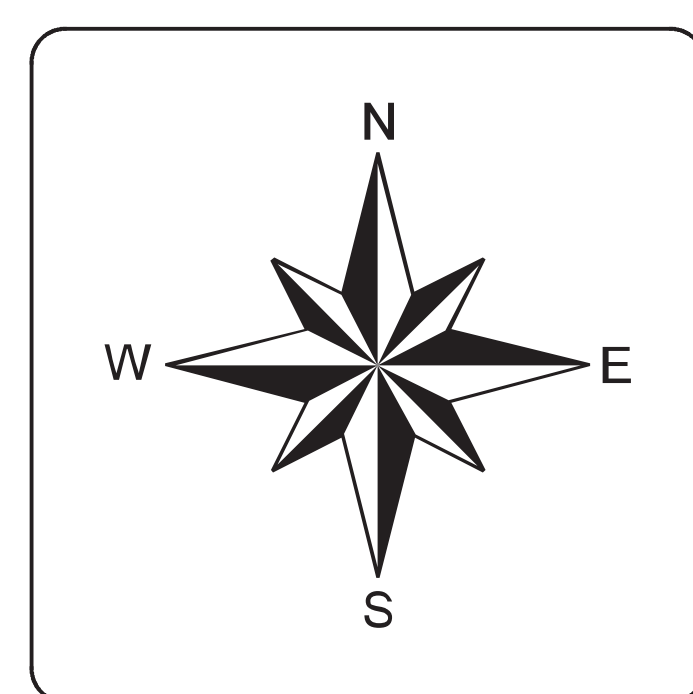


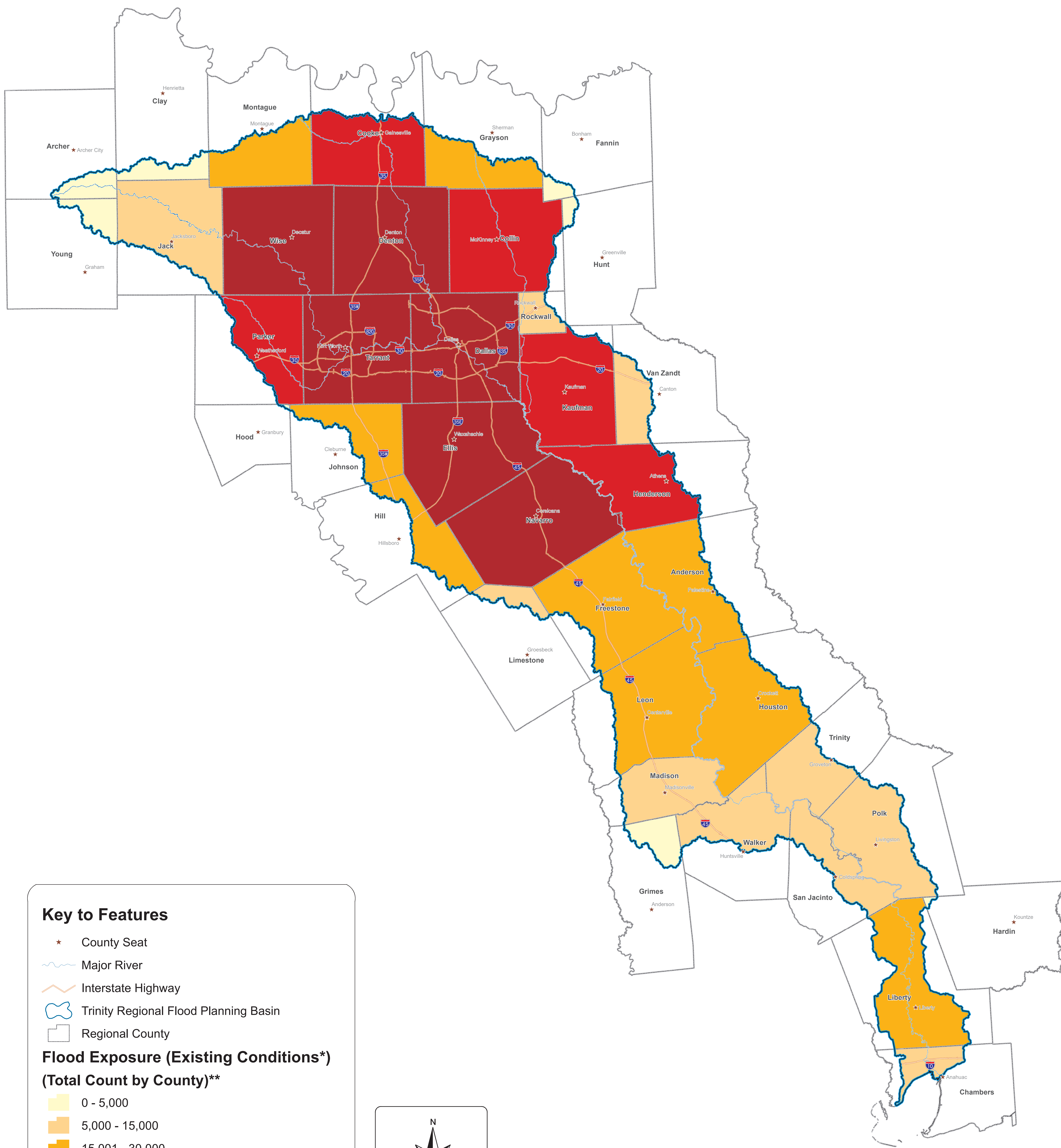
Region 3 - Trinity

**Map 5
Existing Condition
Flood Hazard Gaps**

Key to Features

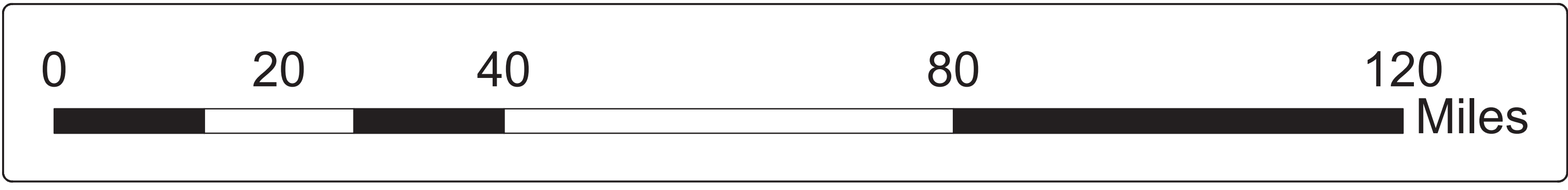
- ★ County Seat
- Interstate Highway
- Major River
- Trinity Regional Flood Planning Basin
- Regional County
- Atlas14 Impact Counties
- Effective Date Prior to 2012
- Effective Non-Modernized Counties

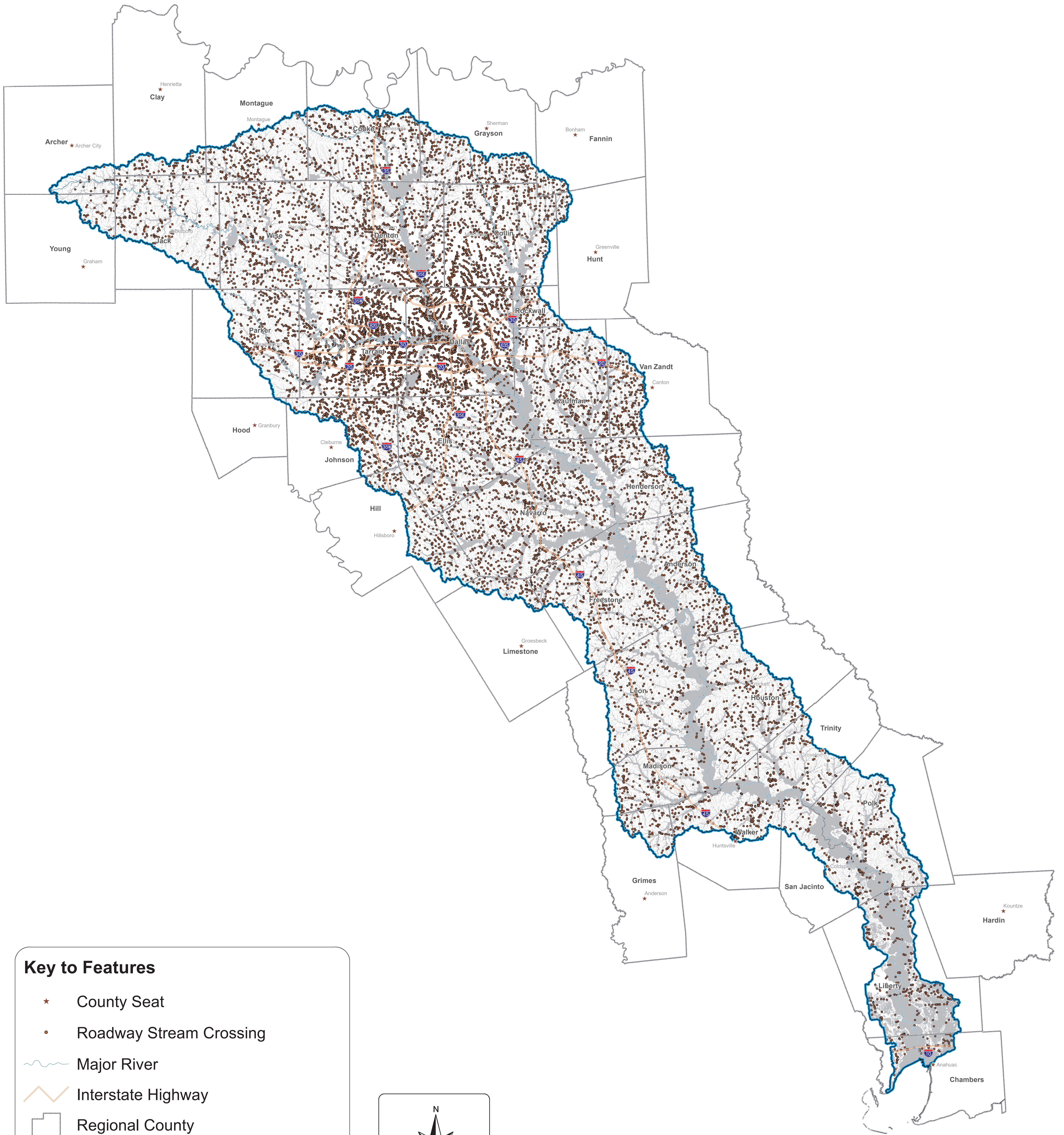




Region 3 - Trinity

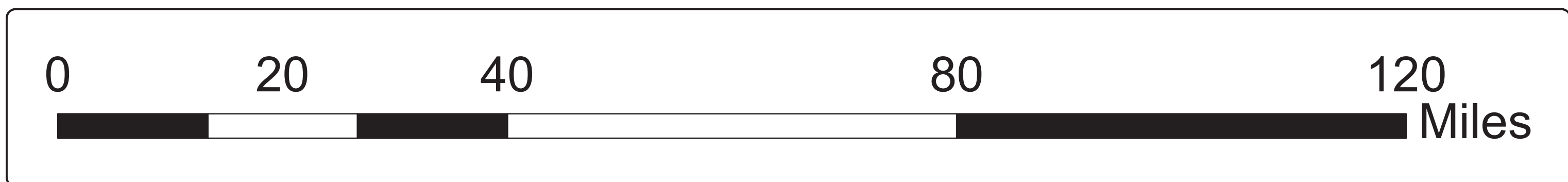
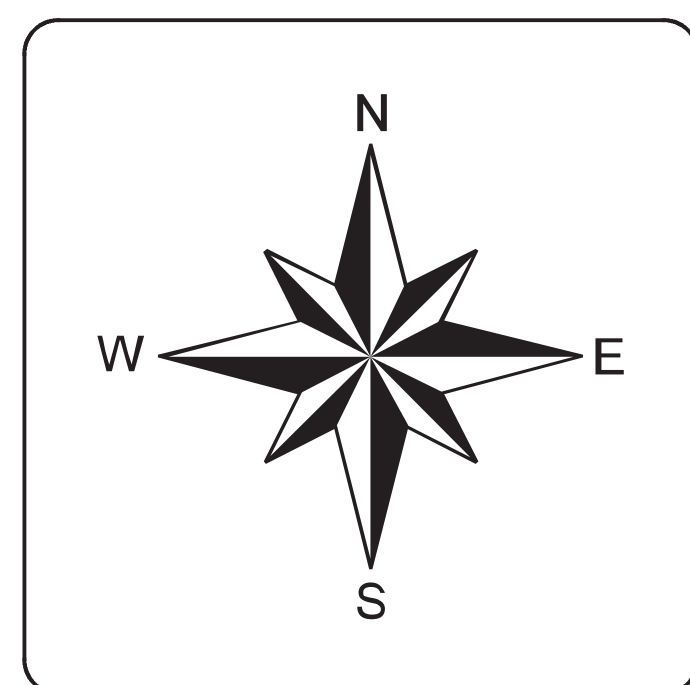
**Map 6
Existing Condition Flood
Exposure**





Key to Features

- ★ County Seat
- Roadway Stream Crossing
- Major River
- Interstate Highway
- Regional County
- Existing Flood Hazard (ExFldHazard)
- Trinity Regional Flood Planning Basin



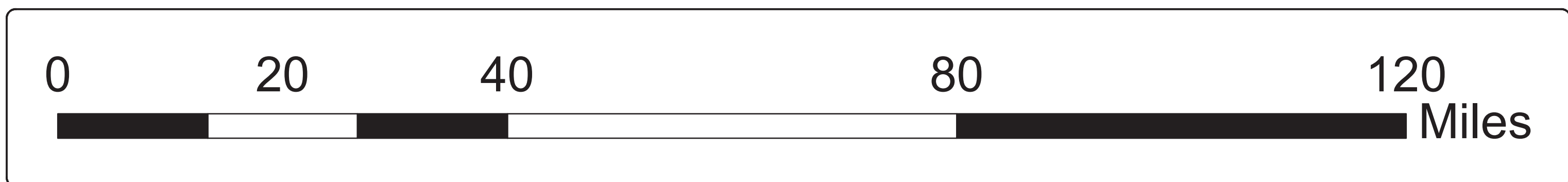
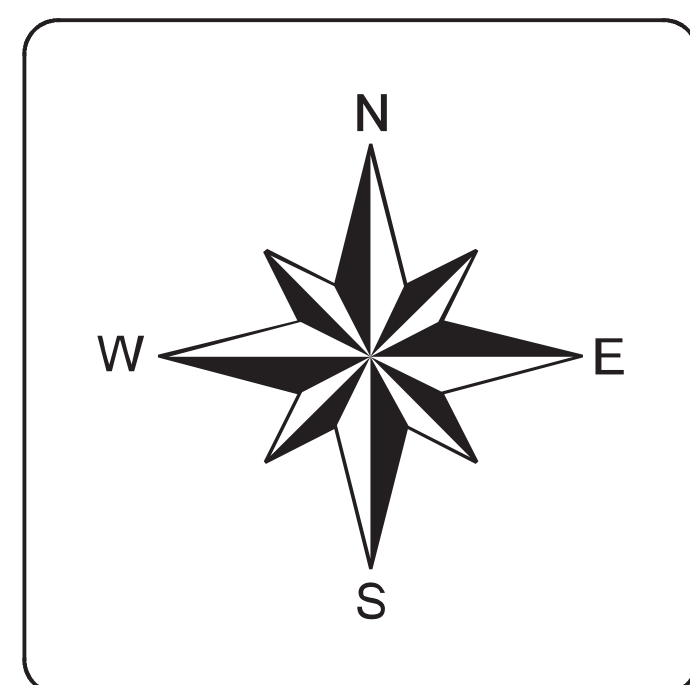
Region 3 - Trinity

**Map 6.1
Existing Condition Flood
Exposure - Point Features**



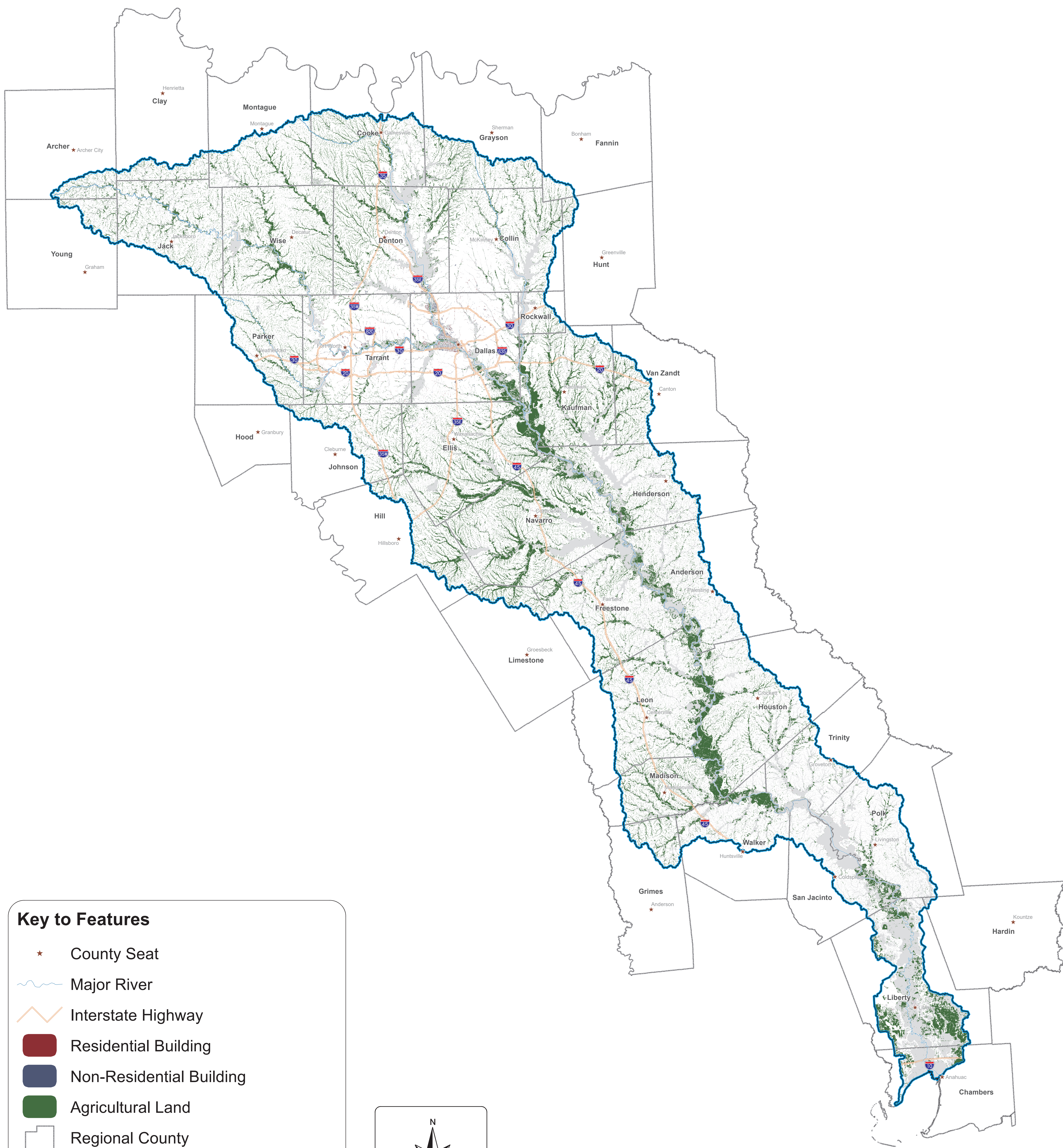
Key to Features

- ★ County Seat
- Roadway Segment
- Other
- ~ Major River
- Interstate Highway
- Regional County
- Existing Flood Hazard (ExFldHazard)
- Trinity Regional Flood Planning Basin



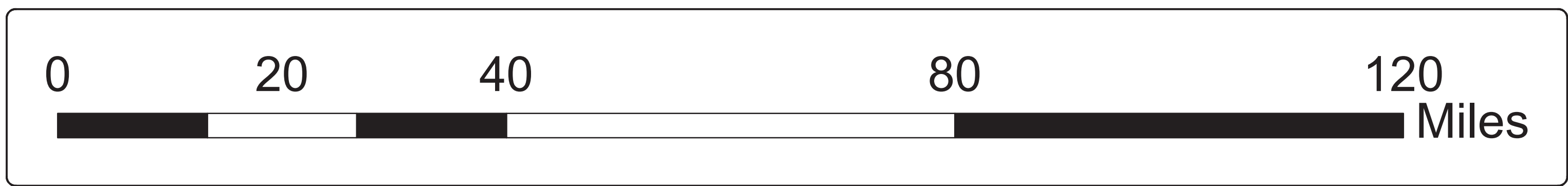
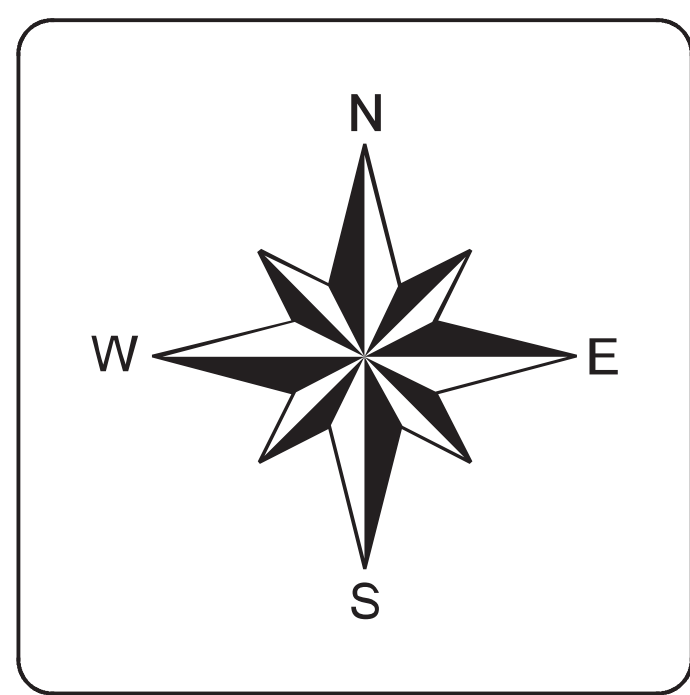
Region 3 - Trinity

**Map 6.2
Existing Condition Flood
Exposure - Line Features**



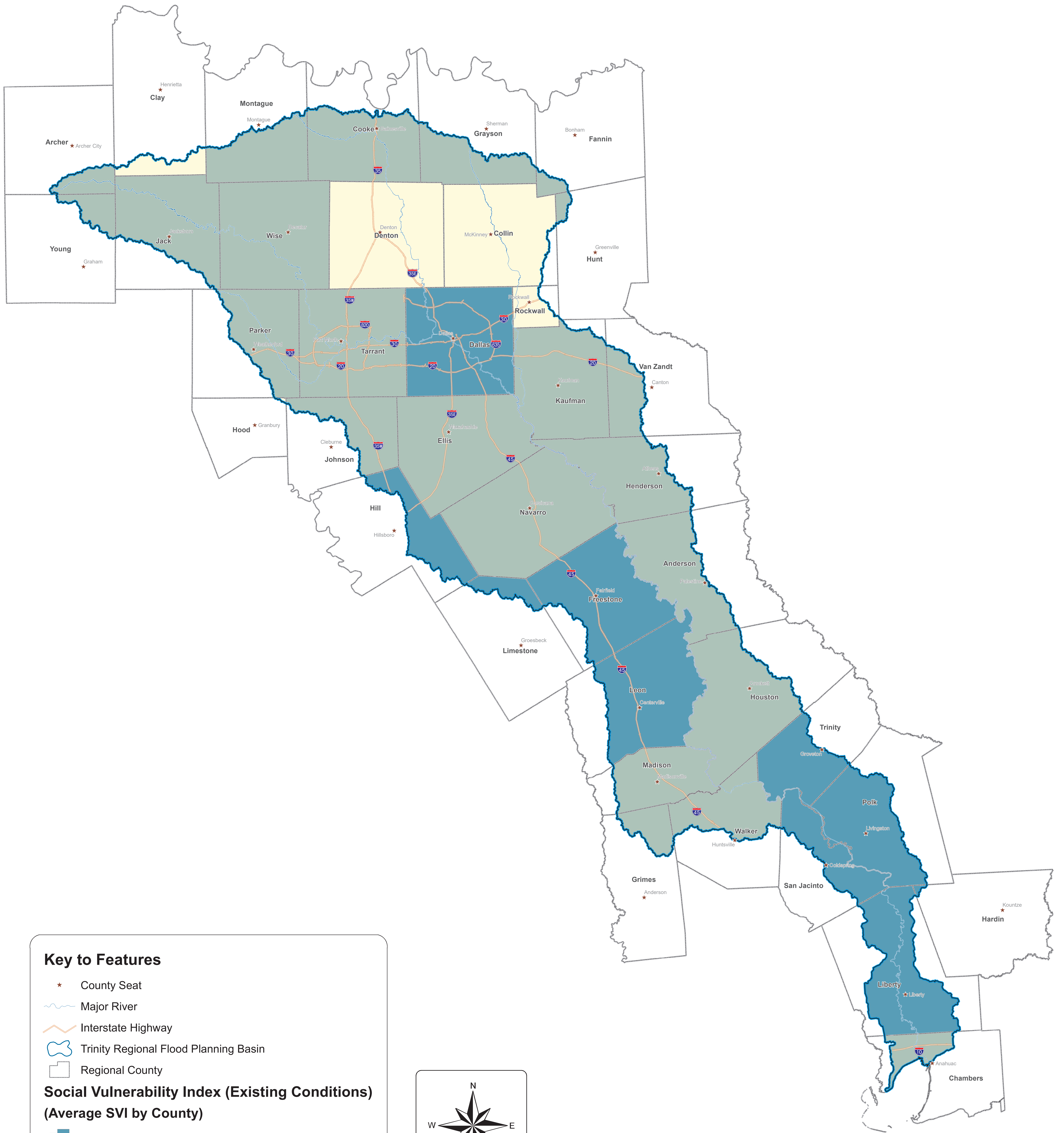
Key to Features

- ★ County Seat
- Major River
- Interstate Highway
- Residential Building
- Non-Residential Building
- Agricultural Land
- Regional County
- Existing Flood Hazard (ExFldHazard)
- Trinity Regional Flood Planning Basin



Region 3 - Trinity

**Map 6.3
Existing Condition Flood
Exposure - Polygon Features**



Region 3 - Trinity

Map 7

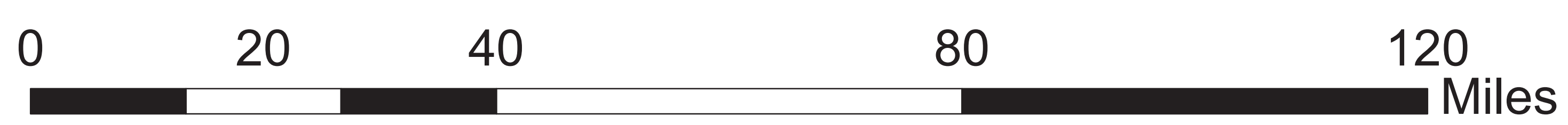
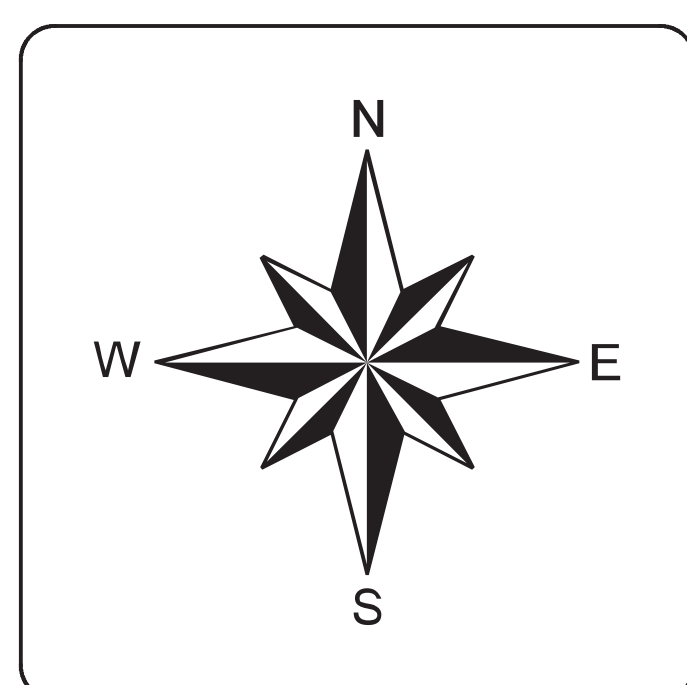
Existing Flood Exposure Vulnerability SVI Average per County

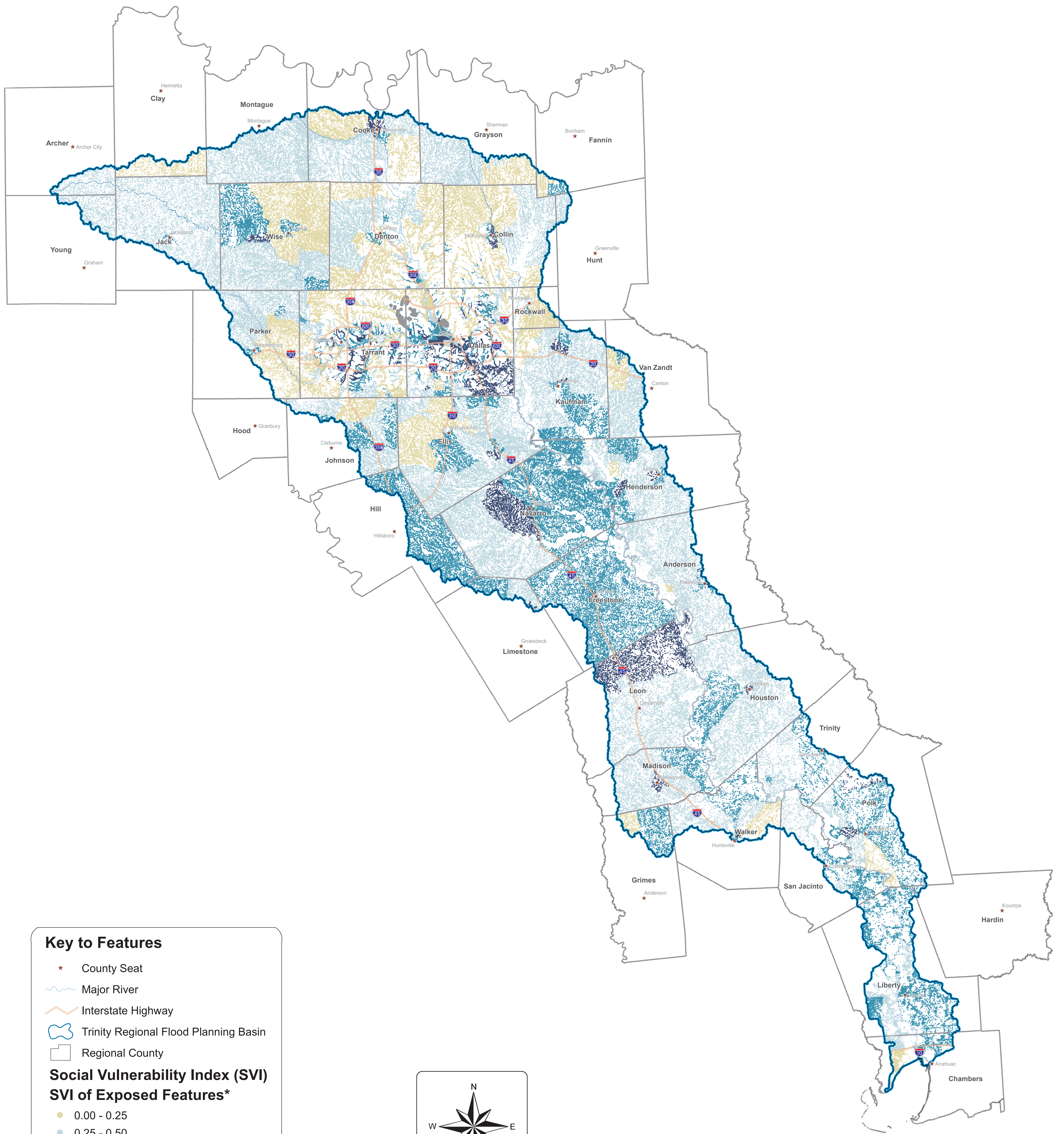
Key to Features

- ★ County Seat
- ~ Major River
- Interstate Highway
- ☞ Trinity Regional Flood Planning Basin
- Regional County

Social Vulnerability Index (Existing Conditions) (Average SVI by County)

- 0.50 - 0.75
- 0.25 - 0.50
- 0.00 - 0.25





Region 3 - Trinity

Map 7.1

**Existing Flood Exposure Vulnerability
SVI of Exposed Features**

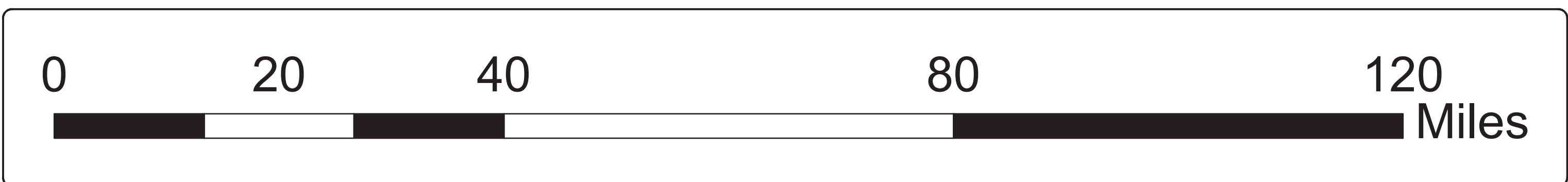
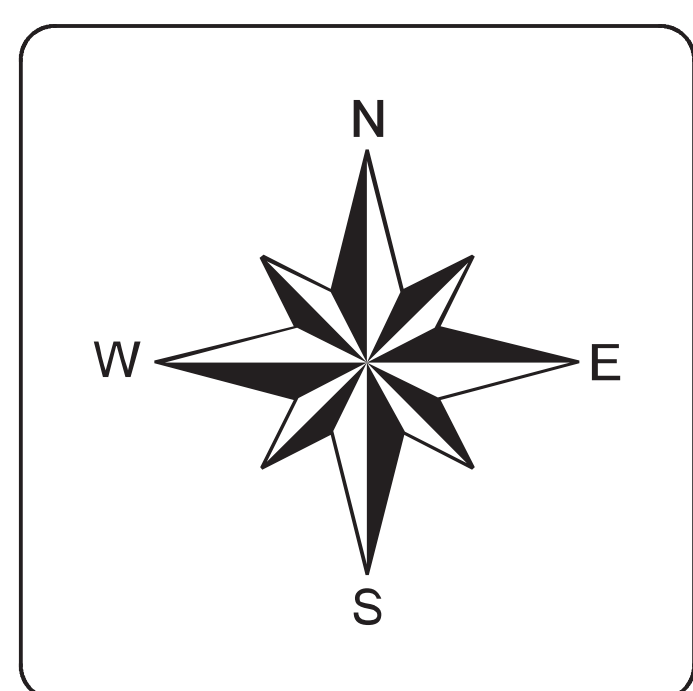
Key to Features

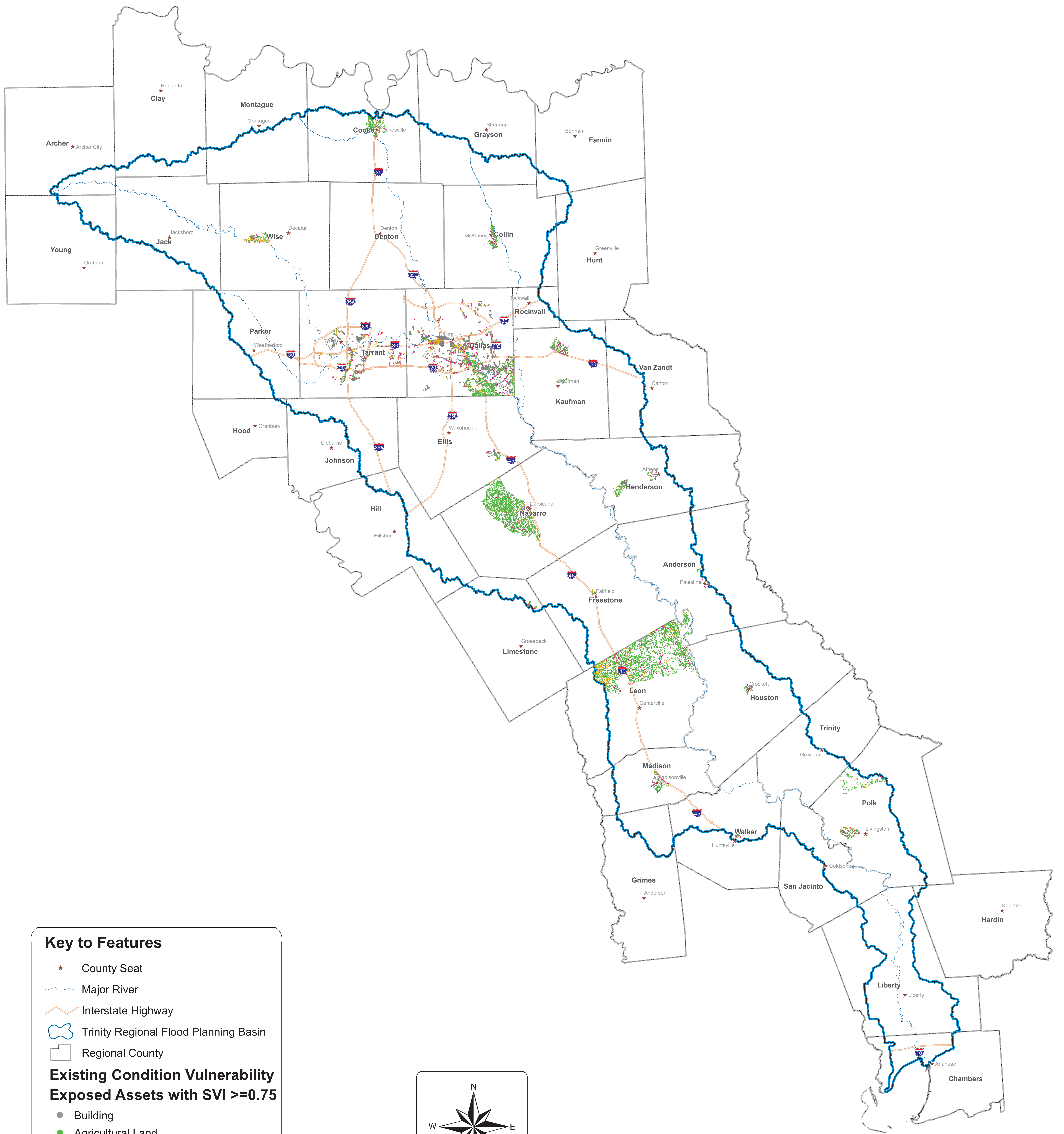
- ★ County Seat
- ~ Major River
- Interstate Highway
- Trinity Regional Flood Planning Basin
- Regional County

**Social Vulnerability Index (SVI)
SVI of Exposed Features***

- 0.00 - 0.25
- 0.25 - 0.50
- 0.50 - 0.75
- 0.75 - 1.00
- NoData

*SVI Data is by Census Tract



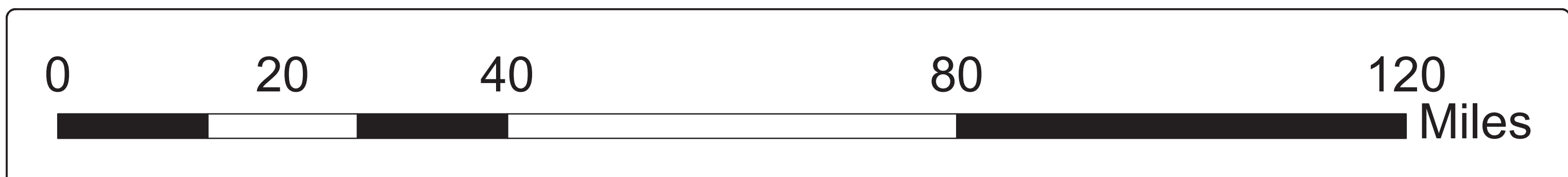
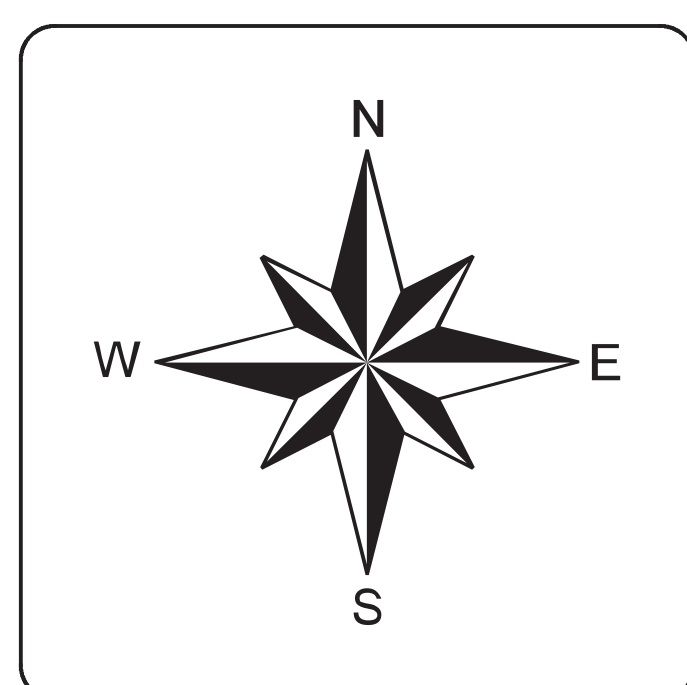


Key to Features

- ★ County Seat
- Major River
- Interstate Highway
- Trinity Regional Flood Planning Basin
- Regional County

**Existing Condition Vulnerability
Exposed Assets with SVI >=0.75**

- Building
- Agricultural Land
- Power Generation
- Roadway Segment/Stream Crossing
- Other Critical Facilities



Region 3 - Trinity

Map 7.2

**Existing Flood Exposure Vulnerability
High SVI Exposed Features**