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I. General Route Information

Route Length: 222.6 km

II. Counties by State

State	Counties
Texas	Brown, Callahan, Comanche, Eastland, Shackelford

III. Spatially Intersecting Features by Category

NOTE: Results based on where route intersects tract or 10 km grid cell that also intersects spatial data.

A. Boundaries

1. Developed Lands Coverage

17 out of 24 10km cells intersect (70.83%)

Total Area = 2,407,578,429.46 km

Maximum Area = 223,000,000.0 km

Mean Area = 141,622,260.56 km

Minimum Area = 29,843,390.47 km

2. Historic Site Count

No intersections found

3. Historic Site by Source

No intersections found

4. Barren Land Coverage

1 out of 24 10km cells intersect (4.17%)

Total Area = 78,748,223.06 km

Maximum Area = 78,748,223.06 km

Mean Area = 78,748,223.06 km

Minimum Area = 78,748,223.06 km

5. Open Water Coverage

13 out of 24 10km cells intersect (54.17%)

Total Area = 5,525,000,000.0 km

Maximum Area = 425,000,000.0 km

Mean Area = 425,000,000.0 km

Minimum Area = 425,000,000.0 km

6. Deciduous Forest Coverage

19 out of 24 10km cells intersect (79.17%)

Total Area = 14,250,000,000.0 km

Maximum Area = 750,000,000.0 km

Mean Area = 750,000,000.0 km

Minimum Area = 750,000,000.0 km

7. Evergreen Forest Coverage

23 out of 24 10km cells intersect (95.83%)

Total Area = 21,367,000,000.0 km

Maximum Area = 929,000,000.0 km

Mean Area = 929,000,000.0 km



Minimum Area = 929,000,000.0 km

8. Mixed Forest Coverage

1 out of 24 10km cells intersect (4.17%)

Total Area = 275,000,000.0 km

Maximum Area = 275,000,000.0 km

Mean Area = 275,000,000.0 km

Minimum Area = 275,000,000.0 km

9. Shrub/Scrub Coverage

24 out of 24 10km cells intersect (100.0%)

Total Area = 42,480,000,000.0 km

Maximum Area = 1,770,000,000.0 km

Mean Area = 1,770,000,000.0 km

Minimum Area = 1,770,000,000.0 km

10. Herbaceous Coverage

24 out of 24 10km cells intersect (100.0%)

Total Area = 25,920,000,000.0 km

Maximum Area = 1,080,000,000.0 km

Mean Area = 1,080,000,000.0 km

Minimum Area = 1,080,000,000.0 km

11. Hay/Pasture Coverage

17 out of 24 10km cells intersect (70.83%)

Total Area = 8,568,000,000.0 km

Maximum Area = 504,000,000.0 km

Mean Area = 504,000,000.0 km

Minimum Area = 504,000,000.0 km

12. Cultivated Crops Coverage

23 out of 24 10km cells intersect (95.83%)

Total Area = 30,360,000,000.0 km

Maximum Area = 1,320,000,000.0 km

Mean Area = 1,320,000,000.0 km

Minimum Area = 1,320,000,000.0 km

13. Woody Wetlands Coverage

6 out of 24 10km cells intersect (25.0%)

Total Area = 2,184,000,000.0 km

Maximum Area = 364,000,000.0 km

Mean Area = 364,000,000.0 km

Minimum Area = 364,000,000.0 km

14. Emergent Herbaceous Wetlands Coverage

1 out of 24 10km cells intersect (4.17%)

Total Area = 124,000,000.0 km

Maximum Area = 124,000,000.0 km

Mean Area = 124,000,000.0 km

Minimum Area = 124,000,000.0 km

No intersections found



No intersections found

15. Protected Area Coverage

1 out of 24 10km cells intersect (4.17%)

Total Area = 1,459.22 km

Maximum Area = 1,459.22 km

Mean Area = 1,459.22 km

Minimum Area = 1,459.22 km

16. Protected Area Local Designations

1 out of 24 10km cells intersect (4.17%)

List: Environmental System

17. Tribally-Controlled Land Coverage

No intersections found

18. Tribally-Controlled Lands

No intersections found

19. Urban Area Coverage

2 out of 24 10km cells intersect (8.33%)

Total Area = 8,487.99 km

Maximum Area = 4,243.99 km

Mean Area = 4,243.99 km

Minimum Area = 4,243.99 km

20. Urban Areas

2 out of 24 10km cells intersect (8.33%)

List: Eastland, TX

21. Wilderness Area Coverage

No intersections found

B. CCS by State

1. CO2 Emission in Million Metric Tons by State

Texas = 376.0

2. Count of CO2 Emission Sources by State

Texas = 677

3. Legislation Category by State

Texas = Exists

4. Sum of Median Storage Estimates by State

Texas = 1665.19

5. State CO2 Group Involvement

Texas = Yes

C. Community Metrics

1. Number of EJScreen Indexes exceeding 80 percentile

No intersections found



D. Hydrology

No intersections found

1. Groundwater Monitoring Location Count

No intersections found

2. National Hydrology Dataset Area Coverage

5 out of 24 10km cells intersect (20.83%)

Total Area = 7,144.03 km

Maximum Area = 3,110.17 km

Mean Area = 1,428.81 km

Minimum Area = 222.91 km

3. National Hydrology Dataset Flowline Length

24 out of 24 10km cells intersect (100.0%)

Total Length = 3,938.95 km

Maximum Length = 260.43 km

Mean Length = 164.12 km

Minimum Length = 88.23 km

4. National Hydrology Dataset Waterbody Coverage

24 out of 24 10km cells intersect (100.0%)

Total Area = 27,539.24 km

Maximum Area = 7,538.85 km

Mean Area = 1,147.47 km

Minimum Area = 258.06 km

5. National Hydrology Dataset Well Count

10 out of 24 10km cells contain values (41.67%)

Total Count = 54

Maximum Count = 19

Mean Count = 5.4

Minimum Count = 1

E. Infrastructure

1. Active Sink Count

No intersections found

2. Active Source Count

No intersections found

3. Building Count

24 out of 24 10km cells contain values (100.0%)

Total Count = 8,503.0

Maximum Count = 939.0

Mean Count = 354.29

Minimum Count = 9.0

4. Electric Transmission Line Length km

20 out of 24 10km cells intersect (83.33%)

Total Length = 3.06 km

Maximum Length = 0.31 km



Mean Length = 0.15 km

Minimum Length = 0.02 km

5. High Consequence Area Count

18 out of 24 10km cells contain values (75.0%)

Total Count = 62

Maximum Count = 7

Mean Count = 3.44

Minimum Count = 1

6. Hydrocarbon Pipeline Length

12 out of 24 10km cells intersect (50.0%)

Total Length = 11,320.76 km

Maximum Length = 1,151.56 km

Mean Length = 943.4 km

Minimum Length = 824.45 km

7. Intermodal Freight Facilities Count

No intersections found

8. Manufacturing Facility Count

1 out of 24 10km cells contain values (4.17%)

Total Count = 1

Maximum Count = 1

Mean Count = 1.0

Minimum Count = 1

9. Natural Gas Pipeline Length

13 out of 24 10km cells intersect (54.17%)

Total Length = 1,623.87 km

Maximum Length = 240.98 km

Mean Length = 124.91 km

Minimum Length = 35.15 km

10. Oil Gas Well Count

24 out of 24 10km cells contain values (100.0%)

Total Count = 6,898

Maximum Count = 1,344

Mean Count = 287.42

Minimum Count = 50

11. Port Count

No intersections found

12. Power Plant Count

1 out of 24 10km cells contain values (4.17%)

Total Count = 1

Maximum Count = 1

Mean Count = 1.0

Minimum Count = 1

13. Primary Road Length



5 out of 24 10km cells intersect (20.83%)

Total Length = 655.62 km

Maximum Length = 218.54 km

Mean Length = 131.12 km

Minimum Length = 94.31 km

14. Processing Plant Count

No intersections found

15. Railroad Length

3 out of 24 10km cells intersect (12.5%)

Total Length = 143.94 km

Maximum Length = 97.3 km

Mean Length = 47.98 km

Minimum Length = 18.42 km

16. Refinery Count

No intersections found

17. Secondary Road Length

6 out of 24 10km cells intersect (25.0%)

Total Length = 256.01 km

Maximum Length = 62.37 km

Mean Length = 42.67 km

Minimum Length = 7.92 km

No intersections found

No intersections found

F. Natural Hazards

1. Coverage of Areas >30% Grade Slope - Where Weight Field == 1

No intersections found

2. Hydric Rating - Maximum Rating per 10km

24 out of 24 Census Tracts intersect (100.0%)

Total = 38

Maximum = 3

Mean = 1.58

Minimum = 1

3. Coverage of Landslide Susceptibility Categorized as Very High - Where Weight Field == 1

No intersections found

4. FEMA National Risk Index Risk Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 92.47

Maximum = 15.27

Mean = 10.27

Minimum = 5.76

5. FEMA National Risk Index Coastal Flood Risk Score by County

No intersections found



6. FEMA National Risk Index Resilience Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 470

Maximum = 54

Mean = 52.22

Minimum = 50

7. FEMA National Risk Index Earthquake Risk Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 9.55

Maximum = 1.39

Mean = 1.06

Minimum = 0.31

8. FEMA National Risk Index Expected Annual Loss Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 88.57

Maximum = 15.6

Mean = 9.84

Minimum = 7.45

9. FEMA National Risk Index Landslide Risk Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 95.02

Maximum = 11.9

Mean = 10.56

Minimum = 7.41

10. FEMA National Risk Index Riverine Flood Risk Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 115.09

Maximum = 22.96

Mean = 12.79

Minimum = 5.35

11. FEMA National Risk Index Social Vulnerability Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 421.76

Maximum = 52.15

Mean = 46.86

Minimum = 36.15

12. FEMA National Risk Index Wildfire Risk Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 166.96

Maximum = 23.48

Mean = 18.55

Minimum = 10.78

13. Soil Erodability - Maximum Score per 10km

24 out of 24 Census Tracts intersect (100.0%)

Total = 7.33



Maximum = 0.38

Mean = 0.31

Minimum = 0.25

14. High Risk Coverage of Soil Frost Action Potential - Low

No intersections found

15. High Risk Coverage of Soil Frost Action Potential - High

No intersections found

16. High Risk Coverage of Soil Frost Action Potential - Moderate

No intersections found

17. High Risk Coverage of Soil Steel Corrosion Potential - High

24 out of 24 10km cells intersect (100.0%)

Total Area = 312,960,733.09 km

Maximum Area = 13,718,855.21 km

Mean Area = 13,040,030.55 km

Minimum Area = 148,004.56 km

18. High Risk Coverage of Soil Steel Corrosion Potential - Moderate

24 out of 24 10km cells intersect (100.0%)

Total Area = 8,550,434,132.55 km

Maximum Area = 450,000,000.0 km

Mean Area = 356,268,088.86 km

Minimum Area = 210.71 km

19. High Risk Coverage of Soil Steel Corrosion Potential - Low

15 out of 24 10km cells intersect (62.5%)

Total Area = 45,743.93 km

Maximum Area = 16,718.31 km

Mean Area = 3,049.6 km

Minimum Area = 22.8 km

20. FEMA National Risk Index Earthquake Risk Score by County

9 out of 9 Census Tracts intersect (100.0%)

Total = 9.55

Maximum = 1.39

Mean = 1.06

Minimum = 0.31