

7.0 Appendix G - County Profiles

7.1 Adair County Profile

Overview	
Total County Area (square miles)	569.27
Estimated Linear Miles of Railroad	7.75
Percent Total County in the Buffer Zone	1.36%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	7,454
Estimated Exposed Population	1,409
Percent Total County Population Exposed	18.90%
Total County Housing Units (2014)	3,674
Estimated Exposed Housing Units	664
Percent Total County Exposed Housing Units	18.06%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	3
K-12 Schools	0
Childcare Centers	0
Hospital Facilities	1
Nursing Homes	1
Town and City Halls	3
Water Intakes	0
Total County Exposed Facilities	10

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	11
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	1.65
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	1.65

7.2 Adams County Profile

Overview	
Total County Area (square miles)	423.44
Estimated Linear Miles of Railroad	34.88
Percent Total County in the Buffer Zone	8.24%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	3,875
Estimated Exposed Population	1,499
Percent Total County Population Exposed	38.70%
Total County Housing Units (2014)	2,010
Estimated Exposed Housing Units	772
Percent Total County Exposed Housing Units	38.39%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	8
K-12 Schools	3
Childcare Centers	1
Hospital Facilities	2
Nursing Homes	0
Town and City Halls	11
Water Intakes	1
Total County Exposed Facilities	28

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	8
K-12 Schools	3
Childcare Centers	1
Hospital Facilities	2
Nursing Homes	0
Town and City Halls	11
Water Intakes	1
Total County Exposed Facilities	28
Total Exposed Conservation and Recreation Lands (acres)	27
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	14.91
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	14.91

7.3 Allamakee County Profile

Overview	
Total County Area (square miles)	639.08
Estimated Linear Miles of Railroad	40.14
Percent Total County in the Buffer Zone	6.28%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	14,038
Estimated Exposed Population	3,954
Percent Total County Population Exposed	28.17%
Total County Housing Units (2014)	7,650
Estimated Exposed Housing Units	2,669
Percent Total County Exposed Housing Units	34.89%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	5
K-12 Schools	5
Childcare Centers	5
Hospital Facilities	4
Nursing Homes	1
Town and City Halls	15
Water Intakes	0
Total County Exposed Facilities	39

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	9,266
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	1.34
Designated Streams (length in miles)	5.06
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	6.40

7.4 Appanoose County Profile

Overview	
Total County Area (square miles)	497.29
Estimated Linear Miles of Railroad	22.36
Percent Total County in the Buffer Zone	4.50%

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	12,661
Estimated Exposed Population	1,339
Percent Total County Population Exposed	10.58%
Total County Housing Units (2014)	6,578
Estimated Exposed Housing Units	685
Percent Total County Exposed Housing Units	10.42%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	2
K-12 Schools	3
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	4
Water Intakes	0
Total County Exposed Facilities	10

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	513
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	75.49
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	75.49
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	4.74
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	4.74

7.5 Benton County Profile

Overview	
Total County Area (square miles)	716.27
Estimated Linear Miles of Railroad	74.55
Percent Total County in the Buffer Zone	10.41%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	25,680
Estimated Exposed Population	10,724
Percent Total County Population Exposed	41.76%
Total County Housing Units (2014)	11,079
Estimated Exposed Housing Units	4,717
Percent Total County Exposed Housing Units	42.58%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	5
Courthouses, Prisons, and Public Safety	13
K-12 Schools	10
Childcare Centers	2
Hospital Facilities	4
Nursing Homes	2
Town and City Halls	26
Water Intakes	0
Total County Exposed Facilities	62

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	436
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	528.15
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	528.15
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	30.89
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	30.28

7.6 Black Hawk County Profile

Overview	
Total County Area (square miles)	565.77
Estimated Linear Miles of Railroad	77.65
Percent Total County in the Buffer Zone	13.72%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	132,897
Estimated Exposed Population	38,100
Percent Total County Population Exposed	28.67%
Total County Housing Units (2014)	56,890
Estimated Exposed Housing Units	16,775
Percent Total County Exposed Housing Units	29.49%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	20
K-12 Schools	20
Childcare Centers	11
Hospital Facilities	11
Nursing Homes	7
Town and City Halls	31
Water Intakes	0
Total County Exposed Facilities	104

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	2741
Significant Public Lakes (acres)	28.29
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	28.29
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	28.65
Protected Streams (length in miles)	2.08
Total Exposed Length of Streams (length in miles)	30.74

7.7 Boone County Profile

Overview	
Total County Area (square miles)	571.57
Estimated Linear Miles of Railroad	49.18
Percent Total County in the Buffer Zone	8.60%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	26,433
Estimated Exposed Population	9,525
Percent Total County Population Exposed	36.03%
Total County Housing Units (2014)	11,793
Estimated Exposed Housing Units	4,400
Percent Total County Exposed Housing Units	37.31%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	8
K-12 Schools	11
Childcare Centers	3
Hospital Facilities	4
Nursing Homes	7
Town and City Halls	19
Water Intakes	0
Total County Exposed Facilities	54

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	231
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	100.91
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	100.91
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	4.57
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	4.57

7.8 Bremer County Profile

Overview	
Total County Area (square miles)	435.48
Estimated Linear Miles of Railroad	23.65
Percent Total County in the Buffer Zone	5.43%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	24,721
Estimated Exposed Population	5,994
Percent Total County Population Exposed	24.25%
Total County Housing Units (2014)	10,136
Estimated Exposed Housing Units	2,085
Percent Total County Exposed Housing Units	20.57%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	2
K-12 Schools	7
Childcare Centers	3
Hospital Facilities	4
Nursing Homes	3
Town and City Halls	2
Water Intakes	0
Total County Exposed Facilities	24

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	436
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	11.13
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	11.13

7.9 Buchanan County Profile

Overview	
Total County Area (square miles)	571.02
Estimated Linear Miles of Railroad	27.45
Percent Total County in the Buffer Zone	4.81%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	21,038
Estimated Exposed Population	6,881
Percent Total County Population Exposed	32.71%
Total County Housing Units (2014)	8,990
Estimated Exposed Housing Units	2,990
Percent Total County Exposed Housing Units	33.26%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	3
K-12 Schools	12
Childcare Centers	4
Hospital Facilities	4
Nursing Homes	3
Town and City Halls	5
Water Intakes	0
Total County Exposed Facilities	34

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	24
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	5.79
Protected Streams (length in miles)	6.71
Total Exposed Length of Streams (length in miles)	12.50

7.10 Buena Vista County Profile

Overview	
Total County Area (square miles)	574.92
Estimated Linear Miles of Railroad	36.27
Percent Total County in the Buffer Zone	6.31%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	20,578
Estimated Exposed Population	11,915
Percent Total County Population Exposed	57.90%
Total County Housing Units (2014)	8,299
Estimated Exposed Housing Units	4,551
Percent Total County Exposed Housing Units	54.84%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	7
K-12 Schools	13
Childcare Centers	4
Hospital Facilities	4
Nursing Homes	4
Town and City Halls	24
Water Intakes	0
Total County Exposed Facilities	59

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	416
Significant Public Lakes (acres)	200.22
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	469.29
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	669.51
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	0
Protected Streams (length in miles)	2.09
Total Exposed Length of Streams (length in miles)	2.09

7.11 Butler County Profile

Overview	
Total County Area (square miles)	280.13
Estimated Linear Miles of Railroad	46.00
Percent Total County in the Buffer Zone	16.42%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	15,006
Estimated Exposed Population	6,421
Percent Total County Population Exposed	42.79%
Total County Housing Units (2014)	6,731
Estimated Exposed Housing Units	2,942
Percent Total County Exposed Housing Units	43.71%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	6
Courthouses, Prisons, and Public Safety	9
K-12 Schools	6
Childcare Centers	3
Hospital Facilities	5
Nursing Homes	5
Town and City Halls	10
Water Intakes	0
Total County Exposed Facilities	44

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	687
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	43.08
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	43.08

7.12 Calhoun County Profile

Overview	
Total County Area (square miles)	569.97
Estimated Linear Miles of Railroad	40.67
Percent Total County in the Buffer Zone	7.14%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	9,866
Estimated Exposed Population	3,380
Percent Total County Population Exposed	34.26%
Total County Housing Units (2014)	5,088
Estimated Exposed Housing Units	1,768
Percent Total County Exposed Housing Units	34.75%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	8
K-12 Schools	6
Childcare Centers	1
Hospital Facilities	3
Nursing Homes	6
Town and City Halls	20
Water Intakes	0
Total County Exposed Facilities	45

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	93
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	5.02
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	5.02

7.13 Carroll County Profile

Overview	
Total County Area (square miles)	569.44
Estimated Linear Miles of Railroad	74.65
Percent Total County in the Buffer Zone	13.11%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	20,562
Estimated Exposed Population	7,530
Percent Total County Population Exposed	36.62%
Total County Housing Units (2014)	9,419
Estimated Exposed Housing Units	3,639
Percent Total County Exposed Housing Units	38.64%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	16
K-12 Schools	7
Childcare Centers	7
Hospital Facilities	13
Nursing Homes	2
Town and City Halls	25
Water Intakes	0
Total County Exposed Facilities	73

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	156
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	20.16
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	20.16

7.14 Cass County Profile

Overview	
Total County Area (square miles)	564.27
Estimated Linear Miles of Railroad	25.82
Percent Total County in the Buffer Zone	4.58%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	13,448
Estimated Exposed Population	3,723
Percent Total County Population Exposed	27.69%
Total County Housing Units (2014)	6,564
Estimated Exposed Housing Units	1,902
Percent Total County Exposed Housing Units	28.97%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	8
K-12 Schools	1
Childcare Centers	3
Hospital Facilities	5
Nursing Homes	1
Town and City Halls	17
Water Intakes	0
Total County Exposed Facilities	37

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	142
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	20.16
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	20.16

7.15 Cedar County Profile

Overview	
Total County Area (square miles)	579.44
Estimated Linear Miles of Railroad	57.23
Percent Total County in the Buffer Zone	9.88%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	18,411
Estimated Exposed Population	5,435
Percent Total County Population Exposed	29.52%
Total County Housing Units (2014)	8,116
Estimated Exposed Housing Units	2,407
Percent Total County Exposed Housing Units	29.66%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	5
Courthouses, Prisons, and Public Safety	9
K-12 Schools	7
Childcare Centers	3
Hospital Facilities	4
Nursing Homes	3
Town and City Halls	9
Water Intakes	0
Total County Exposed Facilities	40

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	33
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	9.05
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	9.05

7.16 Cerro Gordo County Profile

Overview	
Total County Area (square miles)	568.31
Estimated Linear Miles of Railroad	77.70
Percent Total County in the Buffer Zone	13.67%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	43,254
Estimated Exposed Population	25,388
Percent Total County Population Exposed	58.70%
Total County Housing Units (2014)	22,238
Estimated Exposed Housing Units	12,576
Percent Total County Exposed Housing Units	56.55%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	7
K-12 Schools	18
Childcare Centers	15
Hospital Facilities	25
Nursing Homes	8
Town and City Halls	12
Water Intakes	0
Total County Exposed Facilities	88

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	2,203
Significant Public Lakes (acres)	732.72
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	1,181.27
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	1,913.98
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	32.12
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	32.13

7.17 Cherokee County Profile

Overview	
Total County Area (square miles)	576.91
Estimated Linear Miles of Railroad	29.80
Percent Total County in the Buffer Zone	5.17%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	11,836
Estimated Exposed Population	5,656
Percent Total County Population Exposed	47.79%
Total County Housing Units (2014)	5,791
Estimated Exposed Housing Units	2,770
Percent Total County Exposed Housing Units	47.84%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	6
Courthouses, Prisons, and Public Safety	10
K-12 Schools	10
Childcare Centers	6
Hospital Facilities	4
Nursing Homes	3
Town and City Halls	22
Water Intakes	0
Total County Exposed Facilities	61

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	15
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	9.15
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	9.15

7.18 Chickasaw County Profile

Overview	
Total County Area (square miles)	504.38
Estimated Linear Miles of Railroad	33.35
Percent Total County in the Buffer Zone	6.61%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	12,264
Estimated Exposed Population	4,727
Percent Total County Population Exposed	38.54%
Total County Housing Units (2014)	5,664
Estimated Exposed Housing Units	2,270
Percent Total County Exposed Housing Units	40.08%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	7
K-12 Schools	6
Childcare Centers	4
Hospital Facilities	3
Nursing Homes	3
Town and City Halls	15
Water Intakes	0
Total County Exposed Facilities	38

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	164
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	12.56
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	12.56

7.19 Clarke County Profile

Overview	
Total County Area (square miles)	431.17
Estimated Linear Miles of Railroad	51.92
Percent Total County in the Buffer Zone	12.04%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	9,217
Estimated Exposed Population	4,580
Percent Total County Population Exposed	49.70%
Total County Housing Units (2014)	4,132
Estimated Exposed Housing Units	2,035
Percent Total County Exposed Housing Units	49.25%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	8
K-12 Schools	3
Childcare Centers	2
Hospital Facilities	2
Nursing Homes	5
Town and City Halls	10
Water Intakes	0
Total County Exposed Facilities	33

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	114
Significant Public Lakes (acres)	20.37
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	20.37
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	0
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	0

7.20 Clay County Profile

Overview	
Total County Area (square miles)	567.24
Estimated Linear Miles of Railroad	24.39
Percent Total County in the Buffer Zone	4.30%

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	16,515
Estimated Exposed Population	7,245
Percent Total County Population Exposed	43.87%
Total County Housing Units (2014)	8,112
Estimated Exposed Housing Units	3,377
Percent Total County Exposed Housing Units	41.63%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	12
K-12 Schools	7
Childcare Centers	5
Hospital Facilities	4
Nursing Homes	2
Town and City Halls	15
Water Intakes	1
Total County Exposed Facilities	48

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,083
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	1,990.60
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	1,990.60
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	12.08
Protected Streams (length in miles)	0.33
Total Exposed Length of Streams (length in miles)	12.41

7.21 Clayton County Profile

Overview	
Total County Area (square miles)	778.54
Estimated Linear Miles of Railroad	59.29
Percent Total County in the Buffer Zone	7.62%

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	17,692
Estimated Exposed Population	5,251
Percent Total County Population Exposed	29.68%
Total County Housing Units (2014)	9,032
Estimated Exposed Housing Units	3,168
Percent Total County Exposed Housing Units	35.08%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	4
K-12 Schools	6
Childcare Centers	4
Hospital Facilities	1
Nursing Homes	7
Town and City Halls	10
Water Intakes	0
Total County Exposed Facilities	35

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	10,067
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	721.81
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	721.81
Outstanding Streams (length in miles)	8.72
Designated Streams (length in miles)	18.99
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	27.70

7.22 Clinton County Profile

Overview	
Total County Area (square miles)	694.92
Estimated Linear Miles of Railroad	102.66
Percent Total County in the Buffer Zone	14.77%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	48,051
Estimated Exposed Population	20,639
Percent Total County Population Exposed	42.95%
Total County Housing Units (2014)	21,792
Estimated Exposed Housing Units	9,356
Percent Total County Exposed Housing Units	42.93%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	6
Courthouses, Prisons, and Public Safety	14
K-12 Schools	16
Childcare Centers	6
Hospital Facilities	7
Nursing Homes	4
Town and City Halls	16
Water Intakes	1
Total County Exposed Facilities	70

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	6,159
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	19.43
Protected Streams (length in miles)	1.82
Total Exposed Length of Streams (length in miles)	21.25

7.23 Crawford County Profile

Overview	
Total County Area (square miles)	714.19
Estimated Linear Miles of Railroad	109.52
Percent Total County in the Buffer Zone	15.33%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	17,228
Estimated Exposed Population	8,483
Percent Total County Population Exposed	49.24%
Total County Housing Units (2014)	6,985
Estimated Exposed Housing Units	3,271
Percent Total County Exposed Housing Units	46.82%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	5
Courthouses, Prisons, and Public Safety	6
K-12 Schools	12
Childcare Centers	2
Hospital Facilities	5
Nursing Homes	5
Town and City Halls	33
Water Intakes	0
Total County Exposed Facilities	68

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	373
Significant Public Lakes (acres)	6.62
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	6.62
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	56.13
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	56.13

7.24 Dallas County Profile

Overview	
Total County Area (square miles)	588.45
Estimated Linear Miles of Railroad	17.50
Percent Total County in the Buffer Zone	2.97%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	77,400
Estimated Exposed Population	2,549
Percent Total County Population Exposed	3.29%
Total County Housing Units (2014)	29,884
Estimated Exposed Housing Units	1,108
Percent Total County Exposed Housing Units	3.71%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	2
K-12 Schools	3
Childcare Centers	2
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	3
Water Intakes	0
Total County Exposed Facilities	12

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	70
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	15.09
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	15.09

7.25 Delaware County Profile

Overview	
Total County Area (square miles)	577.76
Estimated Linear Miles of Railroad	38.68
Percent Total County in the Buffer Zone	6.69%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	17,398
Estimated Exposed Population	4,668
Percent Total County Population Exposed	26.83%
Total County Housing Units (2014)	8,026
Estimated Exposed Housing Units	2,077
Percent Total County Exposed Housing Units	25.88%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	6
Courthouses, Prisons, and Public Safety	6
K-12 Schools	5
Childcare Centers	7
Hospital Facilities	3
Nursing Homes	6
Town and City Halls	20
Water Intakes	0
Total County Exposed Facilities	53

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	27
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	4.71
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	4.71
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	8.77
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	8.77

7.26 Des Moines County Profile

Overview	
Total County Area (square miles)	416.12
Estimated Linear Miles of Railroad	44.70
Percent Total County in the Buffer Zone	10.74%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	40,225
Estimated Exposed Population	14,700
Percent Total County Population Exposed	36.52%
Total County Housing Units (2014)	18,463
Estimated Exposed Housing Units	6,716
Percent Total County Exposed Housing Units	36.38%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	12
K-12 Schools	13
Childcare Centers	6
Hospital Facilities	9
Nursing Homes	3
Town and City Halls	23
Water Intakes	0
Total County Exposed Facilities	70

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	751
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	479.98
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	479.98
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	7.74
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	7.74

7.27 Dickinson County Profile

Overview	
Total County Area (square miles)	380.61
Estimated Linear Miles of Railroad	2.18
Percent Total County in the Buffer Zone	0.57%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	16,935
Estimated Exposed Population	143
Percent Total County Population Exposed	0.84%
Total County Housing Units (2014)	13,191
Estimated Exposed Housing Units	65
Percent Total County Exposed Housing Units	0.50%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	1
K-12 Schools	0
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	1
Water Intakes	0
Total County Exposed Facilities	3

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	0
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	0

7.28 Dubuque County Profile

Overview	
Total County Area (square miles)	608.31
Estimated Linear Miles of Railroad	62.16
Percent Total County in the Buffer Zone	10.22%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	96,370
Estimated Exposed Population	26,166
Percent Total County Population Exposed	27.15%
Total County Housing Units (2014)	40,369
Estimated Exposed Housing Units	11,725
Percent Total County Exposed Housing Units	29.04%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	16
K-12 Schools	19
Childcare Centers	12
Hospital Facilities	12
Nursing Homes	9
Town and City Halls	32
Water Intakes	0
Total County Exposed Facilities	104

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	6,127
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	26.00
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	26.00

7.29 Emmet County Profile

Overview	
Total County Area (square miles)	395.88
Estimated Linear Miles of Railroad	36.22
Percent Total County in the Buffer Zone	9.15%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	9,990
Estimated Exposed Population	4,570
Percent Total County Population Exposed	45.75%
Total County Housing Units (2014)	4,752
Estimated Exposed Housing Units	2,128
Percent Total County Exposed Housing Units	44.78%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	8
K-12 Schools	4
Childcare Centers	2
Hospital Facilities	4
Nursing Homes	2
Town and City Halls	13
Water Intakes	0
Total County Exposed Facilities	34

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	310
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	467.04
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	467.04
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	13.48
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	13.48

7.30 Fayette County Profile

Overview	
Total County Area (square miles)	730.81
Estimated Linear Miles of Railroad	0.50*
Percent Total County in the Buffer Zone	0.07%

*There are no crude oil or ethanol railroads operating in Fayette County, but parts of the county are within ½ mile of an operating crude oil or ethanol railroad in a neighboring county.

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	20,343
Estimated Exposed Population	295
Percent Total County Population Exposed	1.45%
Total County Housing Units (2014)	9,522
Estimated Exposed Housing Units	105
Percent Total County Exposed Housing Units	1.11%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	0
K-12 Schools	0
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	0
Water Intakes	0
Total County Exposed Facilities	0

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	0.18
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	0.18

7.31 Floyd County Profile

Overview	
Total County Area (square miles)	500.63
Estimated Linear Miles of Railroad	64.52
Percent Total County in the Buffer Zone	12.89%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	16,077
Estimated Exposed Population	8,133
Percent Total County Population Exposed	50.58%
Total County Housing Units (2014)	7,516
Estimated Exposed Housing Units	3,916
Percent Total County Exposed Housing Units	52.10%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	5
K-12 Schools	7
Childcare Centers	8
Hospital Facilities	6
Nursing Homes	6
Town and City Halls	10
Water Intakes	0
Total County Exposed Facilities	44

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	326
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	21.44
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	21.44

7.32 Franklin County Profile

Overview	
Total County Area (square miles)	581.97
Estimated Linear Miles of Railroad	26.16
Percent Total County in the Buffer Zone	4.49%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	10,436
Estimated Exposed Population	1,830
Percent Total County Population Exposed	17.54%
Total County Housing Units (2014)	4,860
Estimated Exposed Housing Units	842
Percent Total County Exposed Housing Units	17.32%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	3
K-12 Schools	1
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	5
Water Intakes	0
Total County Exposed Facilities	9

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	141
Significant Public Lakes (acres)	36.06
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	36.06
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	6.52
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	6.52

7.33 Fremont County Profile

Overview	
Total County Area (square miles)	511.15
Estimated Linear Miles of Railroad	26.93
Percent Total County in the Buffer Zone	5.27%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	7,022
Estimated Exposed Population	381
Percent Total County Population Exposed	5.43%
Total County Housing Units (2014)	3,445
Estimated Exposed Housing Units	190
Percent Total County Exposed Housing Units	5.52%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	0
K-12 Schools	0
Childcare Centers	0
Hospital Facilities	1
Nursing Homes	0
Town and City Halls	0
Water Intakes	0
Total County Exposed Facilities	2

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,141
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	0
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	0

7.34 Greene County Profile

Overview	
Total County Area (square miles)	569.57
Estimated Linear Miles of Railroad	61.53
Percent Total County in the Buffer Zone	10.80%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	9,200
Estimated Exposed Population	3,543
Percent Total County Population Exposed	38.51%
Total County Housing Units (2014)	4,533
Estimated Exposed Housing Units	1,772
Percent Total County Exposed Housing Units	39.09%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	4
K-12 Schools	3
Childcare Centers	1
Hospital Facilities	2
Nursing Homes	3
Town and City Halls	16
Water Intakes	0
Total County Exposed Facilities	31

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	174
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	13.02
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	13.02

7.35 Grundy County Profile

Overview	
Total County Area (square miles)	501.86
Estimated Linear Miles of Railroad	3.01*
Percent Total County in the Buffer Zone	0.6%

*There are no crude oil or ethanol railroads operating in Grundy County, but parts of the county are within ½ mile of an operating crude oil or ethanol railroad in a neighboring county.

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	12,375
Estimated Exposed Population	10
Percent Total County Population Exposed	0.08%
Total County Housing Units (2014)	5,549
Estimated Exposed Housing Units	4
Percent Total County Exposed Housing Units	0.08%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	0
K-12 Schools	0
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	0
Water Intakes	0
Total County Exposed Facilities	0

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	0
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	0

7.36 Guthrie County Profile

Overview	
Total County Area (square miles)	590.62
Estimated Linear Miles of Railroad	25.76
Percent Total County in the Buffer Zone	4.36%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	10,772
Estimated Exposed Population	2,218
Percent Total County Population Exposed	20.59%
Total County Housing Units (2014)	5,749
Estimated Exposed Housing Units	1,076
Percent Total County Exposed Housing Units	18.72%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	4
K-12 Schools	3
Childcare Centers	0
Hospital Facilities	2
Nursing Homes	1
Town and City Halls	4
Water Intakes	0
Total County Exposed Facilities	16

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	185
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	10.00
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	10.00

7.37 Hamilton County Profile

Overview	
Total County Area (square miles)	576.75
Estimated Linear Miles of Railroad	51.03
Percent Total County in the Buffer Zone	8.85%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	15,117
Estimated Exposed Population	7,598
Percent Total County Population Exposed	50.26%
Total County Housing Units (2014)	7,184
Estimated Exposed Housing Units	3,609
Percent Total County Exposed Housing Units	50.23%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	9
K-12 Schools	8
Childcare Centers	2
Hospital Facilities	5
Nursing Homes	0
Town and City Halls	25
Water Intakes	0
Total County Exposed Facilities	53

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	597
Significant Public Lakes (acres)	35.58
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	28.94
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	64.52
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	21.54
Protected Streams (length in miles)	2.80
Total Exposed Length of Streams (length in miles)	24.34

7.38 Hancock County Profile

Overview	
Total County Area (square miles)	571.01
Estimated Linear Miles of Railroad	24.30
Percent Total County in the Buffer Zone	4.26%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	11,027
Estimated Exposed Population	3,508
Percent Total County Population Exposed	31.81%
Total County Housing Units (2014)	5,308
Estimated Exposed Housing Units	1,599
Percent Total County Exposed Housing Units	30.12%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	3
K-12 Schools	2
Childcare Centers	1
Hospital Facilities	7
Nursing Homes	2
Town and City Halls	14
Water Intakes	0
Total County Exposed Facilities	31

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	359
Significant Public Lakes (acres)	26.02
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	972.66
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	998.69
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	1.01
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	1.01

7.39 Hardin County Profile

Overview	
Total County Area (square miles)	569.31
Estimated Linear Miles of Railroad	58.09
Percent Total County in the Buffer Zone	10.20%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	17,311
Estimated Exposed Population	4,804
Percent Total County Population Exposed	27.75%
Total County Housing Units (2014)	8,175
Estimated Exposed Housing Units	2,390
Percent Total County Exposed Housing Units	29.23%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	4
K-12 Schools	2
Childcare Centers	3
Hospital Facilities	8
Nursing Homes	3
Town and City Halls	8
Water Intakes	0
Total County Exposed Facilities	32

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	86
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	6.94
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	0

7.40 Harrison County Profile

Overview	
Total County Area (square miles)	696.85
Estimated Linear Miles of Railroad	130.16
Percent Total County in the Buffer Zone	18.68%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	14,324
Estimated Exposed Population	6,706
Percent Total County Population Exposed	46.82%
Total County Housing Units (2014)	6,747
Estimated Exposed Housing Units	3,173
Percent Total County Exposed Housing Units	47.04%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	13
K-12 Schools	13
Childcare Centers	4
Hospital Facilities	9
Nursing Homes	3
Town and City Halls	23
Water Intakes	0
Total County Exposed Facilities	69

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	340
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	1,039.27
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	1,039.27
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	41.53
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	41.53

7.41 Henry County Profile

Overview	
Total County Area (square miles)	434.33
Estimated Linear Miles of Railroad	38.72
Percent Total County in the Buffer Zone	8.91%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	20,217
Estimated Exposed Population	7,135
Percent Total County Population Exposed	35.29%
Total County Housing Units (2014)	8,274
Estimated Exposed Housing Units	2,894
Percent Total County Exposed Housing Units	34.97%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	9
K-12 Schools	7
Childcare Centers	5
Hospital Facilities	6
Nursing Homes	8
Town and City Halls	18
Water Intakes	0
Total County Exposed Facilities	54

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	259
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	3.94
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	3.94

7.42 Humboldt County Profile

Overview	
Total County Area (square miles)	434.35
Estimated Linear Miles of Railroad	31.36
Percent Total County in the Buffer Zone	7.22%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	9,640
Estimated Exposed Population	1,199
Percent Total County Population Exposed	12.44%
Total County Housing Units (2014)	4,684
Estimated Exposed Housing Units	636
Percent Total County Exposed Housing Units	13.57%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	0
K-12 Schools	4
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	4
Water Intakes	0
Total County Exposed Facilities	8

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	52
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	9.31
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	9.31

7.43 Ida County Profile

Overview	
Total County Area (square miles)	431.51
Estimated Linear Miles of Railroad	8.92
Percent Total County in the Buffer Zone	2.07%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	7,042
Estimated Exposed Population	1,892
Percent Total County Population Exposed	26.87%
Total County Housing Units (2014)	3,430
Estimated Exposed Housing Units	960
Percent Total County Exposed Housing Units	28.00%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	3
K-12 Schools	5
Childcare Centers	1
Hospital Facilities	2
Nursing Homes	1
Town and City Halls	9
Water Intakes	0
Total County Exposed Facilities	23

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	45
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	11.96
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	11.96

7.44 Iowa County Profile

Overview	
Total County Area (square miles)	586.46
Estimated Linear Miles of Railroad	34.03
Percent Total County in the Buffer Zone	5.80%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	16,375
Estimated Exposed Population	4,017
Percent Total County Population Exposed	24.53%
Total County Housing Units (2014)	7,267
Estimated Exposed Housing Units	1,863
Percent Total County Exposed Housing Units	25.64%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	7
K-12 Schools	3
Childcare Centers	2
Hospital Facilities	1
Nursing Homes	2
Town and City Halls	12
Water Intakes	0
Total County Exposed Facilities	29

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	26
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	23.09
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	23.09

7.45 Jackson County Profile

Overview	
Total County Area (square miles)	636.04
Estimated Linear Miles of Railroad	32.96
Percent Total County in the Buffer Zone	5.18%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	19,482
Estimated Exposed Population	2,602
Percent Total County Population Exposed	13.36%
Total County Housing Units (2014)	9,458
Estimated Exposed Housing Units	1,445
Percent Total County Exposed Housing Units	15.28%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	3
K-12 Schools	3
Childcare Centers	0
Hospital Facilities	1
Nursing Homes	1
Town and City Halls	7
Water Intakes	0
Total County Exposed Facilities	17

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	7,564
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	4.16
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	4.16

7.46 Jasper County Profile

Overview	
Total County Area (square miles)	730.42
Estimated Linear Miles of Railroad	38.22
Percent Total County in the Buffer Zone	5.23%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	36,872
Estimated Exposed Population	8,870
Percent Total County Population Exposed	24.06%
Total County Housing Units (2014)	16,160
Estimated Exposed Housing Units	4,282
Percent Total County Exposed Housing Units	26.50%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	9
K-12 Schools	6
Childcare Centers	7
Hospital Facilities	8
Nursing Homes	4
Town and City Halls	17
Water Intakes	0
Total County Exposed Facilities	54

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,284
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	13.74
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	13.74

7.47 Jefferson County Profile

Overview	
Total County Area (square miles)	435.51
Estimated Linear Miles of Railroad	53.19
Percent Total County in the Buffer Zone	12.21%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	17,325
Estimated Exposed Population	5,212
Percent Total County Population Exposed	30.08%
Total County Housing Units (2014)	7,542
Estimated Exposed Housing Units	2,628
Percent Total County Exposed Housing Units	34.84%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	9
K-12 Schools	8
Childcare Centers	0
Hospital Facilities	7
Nursing Homes	5
Town and City Halls	19
Water Intakes	1
Total County Exposed Facilities	50

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	6.98
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	6.98

7.48 Johnson County Profile

Overview	
Total County Area (square miles)	614.04
Estimated Linear Miles of Railroad	27.20
Percent Total County in the Buffer Zone	4.43%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	142,287
Estimated Exposed Population	32,980
Percent Total County Population Exposed	23.18%
Total County Housing Units (2014)	58,783
Estimated Exposed Housing Units	15,514
Percent Total County Exposed Housing Units	26.39%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	8
Courthouses, Prisons, and Public Safety	15
K-12 Schools	11
Childcare Centers	23
Hospital Facilities	31
Nursing Homes	3
Town and City Halls	46
Water Intakes	1
Total County Exposed Facilities	138

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,552
Significant Public Lakes (acres)	11.89
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	11.89
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	22.97
Protected Streams (length in miles)	9
Total Exposed Length of Streams (length in miles)	22.97

7.49 Keokuk County Profile

Overview	
Total County Area (square miles)	579.18
Estimated Linear Miles of Railroad	9.40
Percent Total County in the Buffer Zone	1.62%

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	10,231
Estimated Exposed Population	81
Percent Total County Population Exposed	0.79%
Total County Housing Units (2014)	4,886
Estimated Exposed Housing Units	40
Percent Total County Exposed Housing Units	0.82%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	0
K-12 Schools	0
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	0
Water Intakes	0
Total County Exposed Facilities	0

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	54
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	3.11
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	3.11

7.50 Kossuth County Profile

Overview	
Total County Area (square miles)	972.72
Estimated Linear Miles of Railroad	54.51
Percent Total County in the Buffer Zone	5.60%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	15,222
Estimated Exposed Population	5,093
Percent Total County Population Exposed	33.46%
Total County Housing Units (2014)	7,481
Estimated Exposed Housing Units	2,562
Percent Total County Exposed Housing Units	34.25%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	8
K-12 Schools	8
Childcare Centers	1
Hospital Facilities	2
Nursing Homes	1
Town and City Halls	18
Water Intakes	0
Total County Exposed Facilities	42

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	78
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	7.51
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	7.51

7.51 Lee County Profile

Overview	
Total County Area (square miles)	517.52
Estimated Linear Miles of Railroad	79.03
Percent Total County in the Buffer Zone	15.27%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	35,286
Estimated Exposed Population	14,750
Percent Total County Population Exposed	41.80%
Total County Housing Units (2014)	16,173
Estimated Exposed Housing Units	6,695
Percent Total County Exposed Housing Units	41.39%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	14
K-12 Schools	8
Childcare Centers	6
Hospital Facilities	1
Nursing Homes	7
Town and City Halls	19
Water Intakes	2
Total County Exposed Facilities	61

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	5,618
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	11.34
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	11.34

7.52 Linn County Profile

Overview	
Total County Area (square miles)	716.88
Estimated Linear Miles of Railroad	118.32
Percent Total County in the Buffer Zone	16.50%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	217,751
Estimated Exposed Population	45,876
Percent Total County Population Exposed	21.07%
Total County Housing Units (2014)	94,663
Estimated Exposed Housing Units	20,325
Percent Total County Exposed Housing Units	21.47%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	15
Courthouses, Prisons, and Public Safety	33
K-12 Schools	16
Childcare Centers	26
Hospital Facilities	29
Nursing Homes	12
Town and City Halls	58
Water Intakes	1
Total County Exposed Facilities	190

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	2,329
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	43.78
Protected Streams (length in miles)	2.44
Total Exposed Length of Streams (length in miles)	46.22

7.53 Louisa County Profile

Overview	
Total County Area (square miles)	401.77
Estimated Linear Miles of Railroad	19.01
Percent Total County in the Buffer Zone	4.73%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	11,161
Estimated Exposed Population	2,030
Percent Total County Population Exposed	18.18%
Total County Housing Units (2014)	5,006
Estimated Exposed Housing Units	818
Percent Total County Exposed Housing Units	16.25%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	2
K-12 Schools	2
Childcare Centers	2
Hospital Facilities	1
Nursing Homes	0
Town and City Halls	2
Water Intakes	0
Total County Exposed Facilities	9

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	8
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	1.04
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	1.04

7.54 Lucas County Profile

Overview	
Total County Area (square miles)	430.59
Estimated Linear Miles of Railroad	73.65
Percent Total County in the Buffer Zone	17.10%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	8,701
Estimated Exposed Population	5,327
Percent Total County Population Exposed	61.22%
Total County Housing Units (2014)	4,204
Estimated Exposed Housing Units	2,592
Percent Total County Exposed Housing Units	61.66%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	4
K-12 Schools	7
Childcare Centers	3
Hospital Facilities	4
Nursing Homes	2
Town and City Halls	17
Water Intakes	1
Total County Exposed Facilities	41

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,436
Significant Public Lakes (acres)	0.26
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	13.14
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	13.40
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	17.25
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	17.25

7.55 Lyon County Profile

Overview	
Total County Area (square miles)	587.65
Estimated Linear Miles of Railroad	18.49
Percent Total County in the Buffer Zone	3.15%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	11,683
Estimated Exposed Population	1,092
Percent Total County Population Exposed	9.34%
Total County Housing Units (2014)	4,965
Estimated Exposed Housing Units	416
Percent Total County Exposed Housing Units	8.37%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	1
K-12 Schools	2
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	6
Water Intakes	0
Total County Exposed Facilities	11

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	2.73
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	2.73

7.56 Madison County Profile

Overview	
Total County Area (square miles)	354.00
Estimated Linear Miles of Railroad	8.54
Percent Total County in the Buffer Zone	2.41%

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	15,609
Estimated Exposed Population	1,450
Percent Total County Population Exposed	9.29%
Total County Housing Units (2014)	6,684
Estimated Exposed Housing Units	570
Percent Total County Exposed Housing Units	8.52%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	0
K-12 Schools	3
Childcare Centers	1
Hospital Facilities	1
Nursing Homes	0
Town and City Halls	3
Water Intakes	0
Total County Exposed Facilities	9

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	0
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	0

7.57 Mahaska County Profile

Overview	
Total County Area (square miles)	570.86
Estimated Linear Miles of Railroad	25.31
Percent Total County in the Buffer Zone	4.43%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	22,370
Estimated Exposed Population	7,614
Percent Total County Population Exposed	34.04%
Total County Housing Units (2014)	9,726
Estimated Exposed Housing Units	3,326
Percent Total County Exposed Housing Units	34.20%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	5
K-12 Schools	8
Childcare Centers	10
Hospital Facilities	2
Nursing Homes	5
Town and City Halls	14
Water Intakes	0
Total County Exposed Facilities	45

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	109
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	19.15
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	19.15

7.58 Marion County Profile

Overview	
Total County Area (square miles)	554.53
Estimated Linear Miles of Railroad	16.35
Percent Total County in the Buffer Zone	2.95%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	33,365
Estimated Exposed Population	1,425
Percent Total County Population Exposed	4.27%
Total County Housing Units (2014)	13,984
Estimated Exposed Housing Units	650
Percent Total County Exposed Housing Units	4.65%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	1
K-12 Schools	3
Childcare Centers	0
Hospital Facilities	1
Nursing Homes	0
Town and City Halls	3
Water Intakes	0
Total County Exposed Facilities	9

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	23
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	3.73
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	3.73

7.59 Marshall County Profile

Overview	
Total County Area (square miles)	572.50
Estimated Linear Miles of Railroad	67.55
Percent Total County in the Buffer Zone	11.80%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	40,866
Estimated Exposed Population	10,076
Percent Total County Population Exposed	24.66%
Total County Housing Units (2014)	16,718
Estimated Exposed Housing Units	4,256
Percent Total County Exposed Housing Units	25.45%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	10
K-12 Schools	8
Childcare Centers	6
Hospital Facilities	8
Nursing Homes	1
Town and City Halls	19
Water Intakes	0
Total County Exposed Facilities	56

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	196
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	19.39
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	19.39

7.60 Mills County Profile

Overview	
Total County Area (square miles)	437.44
Estimated Linear Miles of Railroad	66.50
Percent Total County in the Buffer Zone	15.20%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	14,831
Estimated Exposed Population	4,063
Percent Total County Population Exposed	27.39%
Total County Housing Units (2014)	6,088
Estimated Exposed Housing Units	1,644
Percent Total County Exposed Housing Units	27.01%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	8
K-12 Schools	4
Childcare Centers	3
Hospital Facilities	3
Nursing Homes	9
Town and City Halls	19
Water Intakes	0
Total County Exposed Facilities	50

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,164
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	9.00
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	9.00

7.61 Mitchell County Profile

Overview	
Total County Area (square miles)	469.13
Estimated Linear Miles of Railroad	30.45
Percent Total County in the Buffer Zone	6.49

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	10,779
Estimated Exposed Population	4,121
Percent Total County Population Exposed	38.23%
Total County Housing Units (2014)	4,916
Estimated Exposed Housing Units	1,912
Percent Total County Exposed Housing Units	38.89%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	8
K-12 Schools	6
Childcare Centers	1
Hospital Facilities	2
Nursing Homes	5
Town and City Halls	12
Water Intakes	0
Total County Exposed Facilities	35

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	236
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	2.60
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	2.60

7.62 Monona County Profile

Overview	
Total County Area (square miles)	694.07
Estimated Linear Miles of Railroad	25.71
Percent Total County in the Buffer Zone	3.70%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	8,996
Estimated Exposed Population	3,648
Percent Total County Population Exposed	40.56%
Total County Housing Units (2014)	4,715
Estimated Exposed Housing Units	1,817
Percent Total County Exposed Housing Units	38.53%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	6
K-12 Schools	4
Childcare Centers	1
Hospital Facilities	0
Nursing Homes	3
Town and City Halls	13
Water Intakes	0
Total County Exposed Facilities	28

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	11.07
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	11.07

7.63 Monroe County Profile

Overview	
Total County Area (square miles)	433.72
Estimated Linear Miles of Railroad	72.19
Percent Total County in the Buffer Zone	16.65%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	8,001
Estimated Exposed Population	4,207
Percent Total County Population Exposed	52.58%
Total County Housing Units (2014)	3,892
Estimated Exposed Housing Units	1,974
Percent Total County Exposed Housing Units	50.72%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	4
K-12 Schools	5
Childcare Centers	3
Hospital Facilities	5
Nursing Homes	8
Town and City Halls	8
Water Intakes	0
Total County Exposed Facilities	35

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	200
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	16.04
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	16.04

7.64 Montgomery County Profile

Overview	
Total County Area (square miles)	424.10
Estimated Linear Miles of Railroad	46.89
Percent Total County in the Buffer Zone	11.06%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	10,421
Estimated Exposed Population	4,724
Percent Total County Population Exposed	45.33%
Total County Housing Units (2014)	5,200
Estimated Exposed Housing Units	2,368
Percent Total County Exposed Housing Units	45.53%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	7
K-12 Schools	5
Childcare Centers	2
Hospital Facilities	2
Nursing Homes	4
Town and City Halls	18
Water Intakes	0
Total County Exposed Facilities	40

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	352
Significant Public Lakes (acres)	7.64
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	7.64
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	11.39
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	11.39

7.65 Muscatine County Profile

Overview	
Total County Area (square miles)	437.47
Estimated Linear Miles of Railroad	50.35
Percent Total County in the Buffer Zone	11.51%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	42,903
Estimated Exposed Population	16,641
Percent Total County Population Exposed	38.79%
Total County Housing Units (2014)	17,996
Estimated Exposed Housing Units	7,003
Percent Total County Exposed Housing Units	38.92%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	5
Courthouses, Prisons, and Public Safety	13
K-12 Schools	6
Childcare Centers	5
Hospital Facilities	3
Nursing Homes	1
Town and City Halls	19
Water Intakes	0
Total County Exposed Facilities	52

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	3,534
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	8.73
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	8.73
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	29.17
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	29.17

7.66 O'Brien County Profile

Overview	
Total County Area (square miles)	573.04
Estimated Linear Miles of Railroad	12.75
Percent Total County in the Buffer Zone	2.23%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	14,056
Estimated Exposed Population	3,673
Percent Total County Population Exposed	26.13%
Total County Housing Units (2014)	6,635
Estimated Exposed Housing Units	1,783
Percent Total County Exposed Housing Units	26.88%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	2
K-12 Schools	3
Childcare Centers	2
Hospital Facilities	6
Nursing Homes	4
Town and City Halls	12
Water Intakes	0
Total County Exposed Facilities	32

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	9.03
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	9.03

7.67 Osceola County Profile

Overview	
Total County Area (square miles)	398.68
Estimated Linear Miles of Railroad	18.00
Percent Total County in the Buffer Zone	4.51%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	6,218
Estimated Exposed Population	2,285
Percent Total County Population Exposed	36.75%
Total County Housing Units (2014)	2,968
Estimated Exposed Housing Units	1,047
Percent Total County Exposed Housing Units	35.27%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	3
K-12 Schools	0
Childcare Centers	0
Hospital Facilities	1
Nursing Homes	4
Town and City Halls	13
Water Intakes	0
Total County Exposed Facilities	22

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	139
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	7.60
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	7.60

7.68 Page County Profile

Overview	
Total County Area (square miles)	534.94
Estimated Linear Miles of Railroad	11.83
Percent Total County in the Buffer Zone	2.21%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	15,496
Estimated Exposed Population	3,263
Percent Total County Population Exposed	21.06%
Total County Housing Units (2014)	7,186
Estimated Exposed Housing Units	1,677
Percent Total County Exposed Housing Units	23.34%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	4
K-12 Schools	5
Childcare Centers	2
Hospital Facilities	0
Nursing Homes	3
Town and City Halls	4
Water Intakes	0
Total County Exposed Facilities	19

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	199
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	2.99
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	2.99

7.69 Palo Alto County Profile

Overview	
Total County Area (square miles)	563.84
Estimated Linear Miles of Railroad	51.61
Percent Total County in the Buffer Zone	9.15%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	9,099
Estimated Exposed Population	5,701
Percent Total County Population Exposed	62.66%
Total County Housing Units (2014)	4,617
Estimated Exposed Housing Units	2,820
Percent Total County Exposed Housing Units	61.08%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	0
Courthouses, Prisons, and Public Safety	10
K-12 Schools	12
Childcare Centers	5
Hospital Facilities	5
Nursing Homes	9
Town and City Halls	25
Water Intakes	0
Total County Exposed Facilities	66

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,187
Significant Public Lakes (acres)	252.59
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	252.59
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	2.66
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	2.66

7.70 Plymouth County Profile

Overview	
Total County Area (square miles)	862.89
Estimated Linear Miles of Railroad	84.80
Percent Total County in the Buffer Zone	9.83%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	24,874
Estimated Exposed Population	10,627
Percent Total County Population Exposed	42.72%
Total County Housing Units (2014)	10,668
Estimated Exposed Housing Units	4,672
Percent Total County Exposed Housing Units	43.80%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	13
K-12 Schools	15
Childcare Centers	5
Hospital Facilities	8
Nursing Homes	8
Town and City Halls	26
Water Intakes	0
Total County Exposed Facilities	79

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	142
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	72.42
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	72.42

7.71 Pocahontas County Profile

Overview	
Total County Area (square miles)	577.24
Estimated Linear Miles of Railroad	36.87
Percent Total County in the Buffer Zone	6.39%

Railroad Incident Exposures Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	7,138
Estimated Exposed Population	2,882
Percent Total County Population Exposed	40.37%
Total County Housing Units (2014)	3,771
Estimated Exposed Housing Units	1,536
Percent Total County Exposed Housing Units	40.74%

Railroad Incident Exposures Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	5
K-12 Schools	8
Childcare Centers	1
Hospital Facilities	0
Nursing Homes	4
Town and City Halls	8
Water Intakes	0
Total County Exposed Facilities	28

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	90
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	1.16
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	1.16

7.72 Polk County Profile

Overview	
Total County Area (square miles)	573.80
Estimated Linear Miles of Railroad	56.62
Percent Total County in the Buffer Zone	9.87%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	459,862
Estimated Exposed Population	41,180
Percent Total County Population Exposed	8.95%
Total County Housing Units (2014)	192,980
Estimated Exposed Housing Units	18,136
Percent Total County Exposed Housing Units	9.40%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	5
Courthouses, Prisons, and Public Safety	59
K-12 Schools	12
Childcare Centers	19
Hospital Facilities	31
Nursing Homes	16
Town and City Halls	128
Water Intakes	2
Total County Exposed Facilities	272

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	2,917
Significant Public Lakes (acres)	67.56
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	180.35
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	247.92
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	25.52
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	25.52

7.73 Pottawattamie County Profile

Overview	
Total County Area (square miles)	950.28
Estimated Linear Miles of Railroad	126.60
Percent Total County in the Buffer Zone	13.32%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	93,128
Estimated Exposed Population	29,784
Percent Total County Population Exposed	31.98%
Total County Housing Units (2014)	39,589
Estimated Exposed Housing Units	12,529
Percent Total County Exposed Housing Units	31.65%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	5
Courthouses, Prisons, and Public Safety	20
K-12 Schools	17
Childcare Centers	17
Hospital Facilities	16
Nursing Homes	10
Town and City Halls	31
Water Intakes	0
Total County Exposed Facilities	116

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	771
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	36.44
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	36.44

7.74 Poweshiek County Profile

Overview	
Total County Area (square miles)	584.93
Estimated Linear Miles of Railroad	48.63
Percent Total County in the Buffer Zone	8.31%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	18,668
Estimated Exposed Population	9,641
Percent Total County Population Exposed	51.64%
Total County Housing Units (2014)	8,953
Estimated Exposed Housing Units	4,097
Percent Total County Exposed Housing Units	45.76%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	5
K-12 Schools	5
Childcare Centers	1
Hospital Facilities	6
Nursing Homes	3
Town and City Halls	13
Water Intakes	1
Total County Exposed Facilities	37

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	312
Significant Public Lakes (acres)	6.44
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	6.44
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	26.75
Protected Streams (length in miles)	0.00
Total Exposed Length of Streams (length in miles)	26.75

7.75 Sac County Profile

Overview	
Total County Area (square miles)	575.01
Estimated Linear Miles of Railroad	35.05
Percent Total County in the Buffer Zone	6.09%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	10,035
Estimated Exposed Population	1,768
Percent Total County Population Exposed	17.62%
Total County Housing Units (2014)	5,407
Estimated Exposed Housing Units	867
Percent Total County Exposed Housing Units	16.04%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	3
K-12 Schools	4
Childcare Centers	0
Hospital Facilities	1
Nursing Homes	2
Town and City Halls	9
Water Intakes	0
Total County Exposed Facilities	20

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	621
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	1094.30
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	1094.30
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	20.46
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	20.46

7.76 Scott County Profile

Overview	
Total County Area (square miles)	458.09
Estimated Linear Miles of Railroad	62.49
Percent Total County in the Buffer Zone	13.64%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	171,387
Estimated Exposed Population	38,248
Percent Total County Population Exposed	22.32%
Total County Housing Units (2014)	73,040
Estimated Exposed Housing Units	17,511
Percent Total County Exposed Housing Units	23.97%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	5
Courthouses, Prisons, and Public Safety	14
K-12 Schools	20
Childcare Centers	13
Hospital Facilities	11
Nursing Homes	6
Town and City Halls	31
Water Intakes	1
Total County Exposed Facilities	101

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	5,698
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	16.15
Protected Streams (length in miles)	1.55
Total Exposed Length of Streams (length in miles)	17.70

7.77 Shelby County Profile

Overview	
Total County Area (square miles)	590.78
Estimated Linear Miles of Railroad	24.16
Percent Total County in the Buffer Zone	4.09%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	11,948
Estimated Exposed Population	1,304
Percent Total County Population Exposed	10.91%
Total County Housing Units (2014)	5,561
Estimated Exposed Housing Units	587
Percent Total County Exposed Housing Units	10.55%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	5
K-12 Schools	3
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	2
Town and City Halls	3
Water Intakes	0
Total County Exposed Facilities	17

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	12
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	19.40
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	19.40

7.78 Sioux County Profile

Overview	
Total County Area (square miles)	768.33
Estimated Linear Miles of Railroad	59.56
Percent Total County in the Buffer Zone	7.75%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	34,681
Estimated Exposed Population	7,824
Percent Total County Population Exposed	22.56%
Total County Housing Units (2014)	12,582
Estimated Exposed Housing Units	3,135
Percent Total County Exposed Housing Units	24.92%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	3
K-12 Schools	8
Childcare Centers	2
Hospital Facilities	10
Nursing Homes	5
Town and City Halls	11
Water Intakes	0
Total County Exposed Facilities	43

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	0
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	58.41
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	58.41

7.79 Story County Profile

Overview	
Total County Area (square miles)	572.82
Estimated Linear Miles of Railroad	90.94
Percent Total County in the Buffer Zone	15.88%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	94,073
Estimated Exposed Population	34,614
Percent Total County Population Exposed	36.79%
Total County Housing Units (2014)	38,103
Estimated Exposed Housing Units	14,280
Percent Total County Exposed Housing Units	37.48%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	7
Courthouses, Prisons, and Public Safety	16
K-12 Schools	14
Childcare Centers	6
Hospital Facilities	11
Nursing Homes	6
Town and City Halls	37
Water Intakes	0
Total County Exposed Facilities	97

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	743
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	10.70
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	10.70

7.80 Tama County Profile

Overview	
Total County Area (square miles)	721.01
Estimated Linear Miles of Railroad	50.75
Percent Total County in the Buffer Zone	7.04%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	17,451
Estimated Exposed Population	2,678
Percent Total County Population Exposed	15.35%
Total County Housing Units (2014)	7,753
Estimated Exposed Housing Units	1,125
Percent Total County Exposed Housing Units	14.52%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	4
K-12 Schools	5
Childcare Centers	0
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	7
Water Intakes	0
Total County Exposed Facilities	18

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	2,943
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	2,565.67
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	2,565.67
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	19.48
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	19.48

7.81 Union County Profile

Overview	
Total County Area (square miles)	423.65
Estimated Linear Miles of Railroad	44.23
Percent Total County in the Buffer Zone	10.44%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	12,516
Estimated Exposed Population	6,067
Percent Total County Population Exposed	48.48%
Total County Housing Units (2014)	5,907
Estimated Exposed Housing Units	2,933
Percent Total County Exposed Housing Units	49.65%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	7
K-12 Schools	8
Childcare Centers	4
Hospital Facilities	2
Nursing Homes	5
Town and City Halls	13
Water Intakes	1
Total County Exposed Facilities	42

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	491
Significant Public Lakes (acres)	12.41
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	12.41
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	10.05
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	10.05

7.82 Wapello County Profile

Overview	
Total County Area (square miles)	421.83
Estimated Linear Miles of Railroad	84.24
Percent Total County in the Buffer Zone	19.97%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	35,212
Estimated Exposed Population	10,088
Percent Total County Population Exposed	28.65%
Total County Housing Units (2014)	16,019
Estimated Exposed Housing Units	4,536
Percent Total County Exposed Housing Units	28.32%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	10
K-12 Schools	8
Childcare Centers	2
Hospital Facilities	9
Nursing Homes	3
Town and City Halls	22
Water Intakes	5
Total County Exposed Facilities	63

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	68
Significant Public Lakes (acres)	12.64
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	12.64
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	25.07
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	25.07

7.83 Warren County Profile

Overview	
Total County Area (square miles)	569.83
Estimated Linear Miles of Railroad	14.04
Percent Total County in the Buffer Zone	2.46%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	47,956
Estimated Exposed Population	2,447
Percent Total County Population Exposed	5.10%
Total County Housing Units (2014)	19,162
Estimated Exposed Housing Units	1,000
Percent Total County Exposed Housing Units	5.22%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	2
K-12 Schools	3
Childcare Centers	2
Hospital Facilities	0
Nursing Homes	0
Town and City Halls	1
Water Intakes	0
Total County Exposed Facilities	10

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	884
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	5.77
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	5.77

7.84 Washington County Profile

Overview	
Total County Area (square miles)	568.84
Estimated Linear Miles of Railroad	25.62
Percent Total County in the Buffer Zone	4.50%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	22,070
Estimated Exposed Population	4,773
Percent Total County Population Exposed	21.63%
Total County Housing Units (2014)	9,540
Estimated Exposed Housing Units	2,127
Percent Total County Exposed Housing Units	22.30%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	7
K-12 Schools	4
Childcare Centers	2
Hospital Facilities	2
Nursing Homes	2
Town and City Halls	13
Water Intakes	0
Total County Exposed Facilities	31

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	341
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	8.81
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	8.81

7.85 Wayne County Profile

Overview	
Total County Area (square miles)	525.44
Estimated Linear Miles of Railroad	43.00
Percent Total County in the Buffer Zone	8.18%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	6,395
Estimated Exposed Population	2,591
Percent Total County Population Exposed	40.52%
Total County Housing Units (2014)	3,181
Estimated Exposed Housing Units	1,358
Percent Total County Exposed Housing Units	42.71%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	7
K-12 Schools	7
Childcare Centers	1
Hospital Facilities	6
Nursing Homes	2
Town and City Halls	9
Water Intakes	1
Total County Exposed Facilities	36

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	222
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	1.48
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	1.48

7.86 Webster County Profile

Overview	
Total County Area (square miles)	715.62
Estimated Linear Miles of Railroad	86.74
Percent Total County in the Buffer Zone	12.12%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	36,955
Estimated Exposed Population	18,314
Percent Total County Population Exposed	49.56%
Total County Housing Units (2014)	17,035
Estimated Exposed Housing Units	7,901
Percent Total County Exposed Housing Units	46.38%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	7
Courthouses, Prisons, and Public Safety	22
K-12 Schools	15
Childcare Centers	9
Hospital Facilities	15
Nursing Homes	9
Town and City Halls	49
Water Intakes	0
Total County Exposed Facilities	126

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	33
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	17.23
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	17.23

7.87 Winnebago County Profile

Overview	
Total County Area (square miles)	400.49
Estimated Linear Miles of Railroad	16.32
Percent Total County in the Buffer Zone	4.08%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	10,559
Estimated Exposed Population	2,188
Percent Total County Population Exposed	20.72%
Total County Housing Units (2014)	5,183
Estimated Exposed Housing Units	1,112
Percent Total County Exposed Housing Units	21.46%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	2
Courthouses, Prisons, and Public Safety	3
K-12 Schools	5
Childcare Centers	2
Hospital Facilities	2
Nursing Homes	2
Town and City Halls	8
Water Intakes	0
Total County Exposed Facilities	24

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	626
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	867.51
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	867.51
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	3.77
Protected Streams (length in miles)	0

7.88 Winneshiek County Profile

Overview	
Total County Area (square miles)	689.87
Estimated Linear Miles of Railroad	29.71
Percent Total County in the Buffer Zone	4.31%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	20,768
Estimated Exposed Population	2,708
Percent Total County Population Exposed	13.04%
Total County Housing Units (2014)	8,813
Estimated Exposed Housing Units	1,238
Percent Total County Exposed Housing Units	14.05%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	3
Courthouses, Prisons, and Public Safety	4
K-12 Schools	7
Childcare Centers	2
Hospital Facilities	3
Nursing Homes	0
Town and City Halls	8
Water Intakes	0
Total County Exposed Facilities	27

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	202
Significant Public Lakes (acres)	26.77
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	26.77
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	6.50
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	6.50

7.89 Woodbury County Profile

Overview	
Total County Area (square miles)	872.83
Estimated Linear Miles of Railroad	41.16
Percent Total County in the Buffer Zone	4.72%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	102,271
Estimated Exposed Population	31,035
Percent Total County Population Exposed	30.35%
Total County Housing Units (2014)	41,510
Estimated Exposed Housing Units	12,231
Percent Total County Exposed Housing Units	29.46%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	4
Courthouses, Prisons, and Public Safety	22
K-12 Schools	23
Childcare Centers	22
Hospital Facilities	24
Nursing Homes	8
Town and City Halls	46
Water Intakes	1
Total County Exposed Facilities	150

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,292
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	9.30
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	9.30

7.90 Worth County Profile

Overview	
Total County Area (square miles)	400.12
Estimated Linear Miles of Railroad	45.33
Percent Total County in the Buffer Zone	11.33%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	7,624
Estimated Exposed Population	4,022
Percent Total County Population Exposed	52.75%
Total County Housing Units (2014)	3,523
Estimated Exposed Housing Units	1,928
Percent Total County Exposed Housing Units	54.73%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	6
Courthouses, Prisons, and Public Safety	12
K-12 Schools	6
Childcare Centers	3
Hospital Facilities	2
Nursing Homes	4
Town and City Halls	14
Water Intakes	0
Total County Exposed Facilities	47

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	1,348
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	5.80
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	5.80

7.91 Wright County Profile

Overview	
Total County Area (square miles)	580.42
Estimated Linear Miles of Railroad	21.63
Percent Total County in the Buffer Zone	3.73%

Railroad Incident Exposures	
Exposed Population Data (Populations in the Buffer Zone)	
Total County Population (2014 Census Estimate)	12,840
Estimated Exposed Population	3,843
Percent Total County Population Exposed	29.93%
Total County Housing Units (2014)	6,494
Estimated Exposed Housing Units	1,801
Percent Total County Exposed Housing Units	27.73%

Railroad Incident Exposures	
Exposed Facilities (Facilities in the Buffer Zone)	
Fire and EMS	1
Courthouses, Prisons, and Public Safety	3
K-12 Schools	3
Childcare Centers	2
Hospital Facilities	2
Nursing Homes	2
Town and City Halls	3
Water Intakes	0
Total County Exposed Facilities	16

Vulnerable Environmental Areas (Areas in the Buffer Zone)	
Total Exposed Conservation and Recreation Lands (acres)	60
Significant Public Lakes (acres)	0
Federal Reservoirs (acres)	0
Protected Wetlands and Setbacks (acres)	0
Total Exposed Lakes, Reservoirs, & Wetlands (acres)	0
Outstanding Streams (length in miles)	0
Designated Streams (length in miles)	10.14
Protected Streams (length in miles)	0
Total Exposed Length of Streams (length in miles)	10.14