EJScreen Report (Version 2.1)

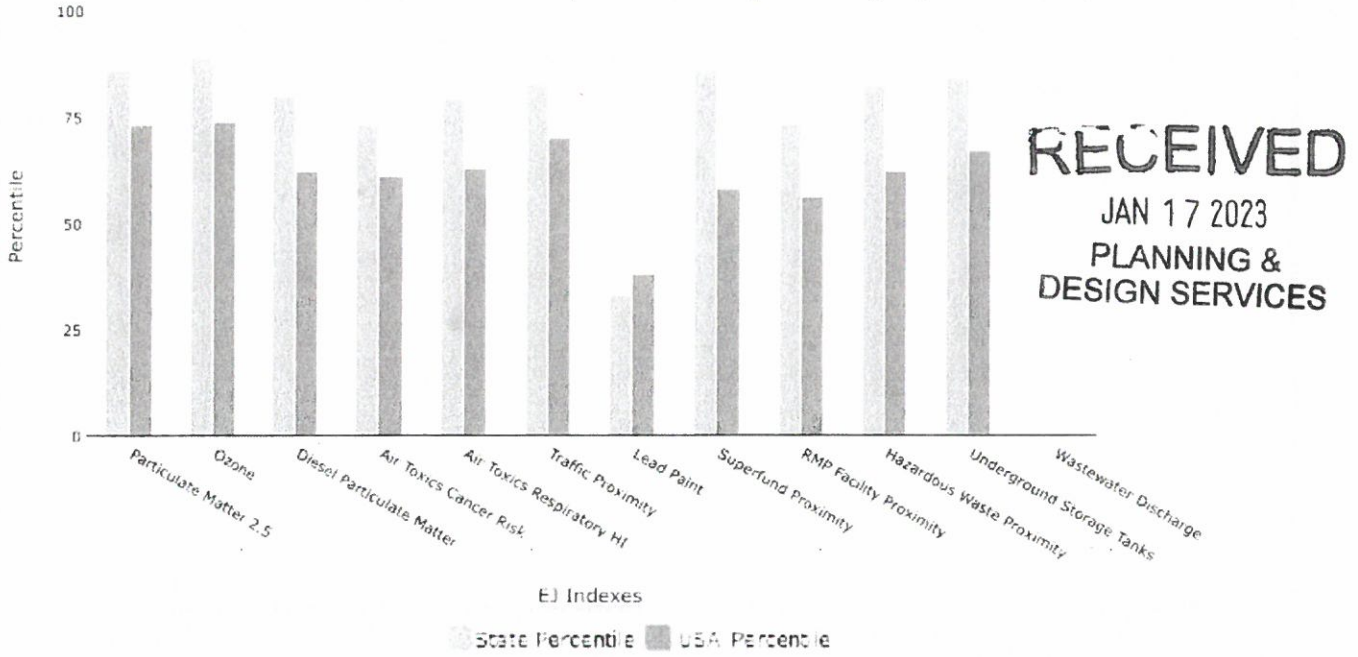
Blockgroup: 211110115091, KENTUCKY, EPA Region 4

Approximate Population: 587

Input Area (sq. miles): 0.60

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
EJ Index for Particulate Matter 2.5	86	73
EJ Index for Ozone	89	74
EJ Index for Diesel Particulate Matter*	80	62
EJ Index for Air Toxics Cancer Risk*	73	61
EJ Index for Air Toxics Respiratory HI*	79	63
EJ Index for Traffic Proximity	83	70
EJ Index for Lead Paint	33	38
EJ Index for Superfund Proximity	86	58
EJ Index for RMP Facility Proximity	73	56
EJ Index for Hazardous Waste Proximity	82	62
EJ Index for Underground Storage Tanks	84	67
EJ Index for Wastewater Discharge	N/A	N/A

EJ Index for the Selected Area Compared to All People's Blockgroups in the State/US



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22-ZONE-0012

EJScreen Report (Version 2.1)

Blockgroup: 211110115091, KENTUCKY, EPA Region 4

Approximate Population: 587

Input Area (sq. miles): 0.60

Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

22-ZONE-0012

EJScreen Report (Version 2.1)

Blockgroup: 211110115091, KENTUCKY, EPA Region 4

Approximate Population: 587

Input Area (sq. miles): 0.60

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
Pollution and Sources					
Particulate Matter 2.5 ($\mu g/m^3$)	9.75	8.86	83	8.67	80
Ozone (ppb)	45	42.3	94	42.5	75
Diesel Particulate Matter* ($\mu g/m^3$)	0.283	0.221	71	0.294	50-60th
Air Toxics Cancer Risk* (lifetime risk per million)	30	28	99	28	80-90th
Air Toxics Respiratory HI*	0.4	0.36	95	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	870	420	87	760	79
Lead Paint (% Pre-1960 Housing)	0.052	0.23	20	0.27	26
Superfund Proximity (site count/km distance)	0.055	0.039	83	0.13	47
RMP Facility Proximity (facility count/km distance)	0.29	0.69	57	0.77	48
Hazardous Waste Proximity (facility count/km distance)	1.2	0.76	81	2.2	60
Underground Storage Tanks (count/km^2)	3	1.1	88	3.9	67
Wastewater Discharge (toxicity-weighted concentration/m distance)	N/A	1.1	N/A	12	N/A
Socioeconomic Indicators					
Demographic Index	31%	26%	70	35%	53
People of Color	37%	16%	87	40%	57
Low Income	26%	36%	32	30%	47
Unemployment Rate	0%	5%	0	5%	0
Limited English Speaking Households	0%	1%	0	5%	0
Less Than High School Education	9%	13%	38	12%	51
Under Age 5	7%	6%	68	6%	69
Over Age 64	36%	16%	97	16%	94

*Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

For additional information, see: www.epa.gov/environmentaljustice

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EJScreen Report (Version 2.1)

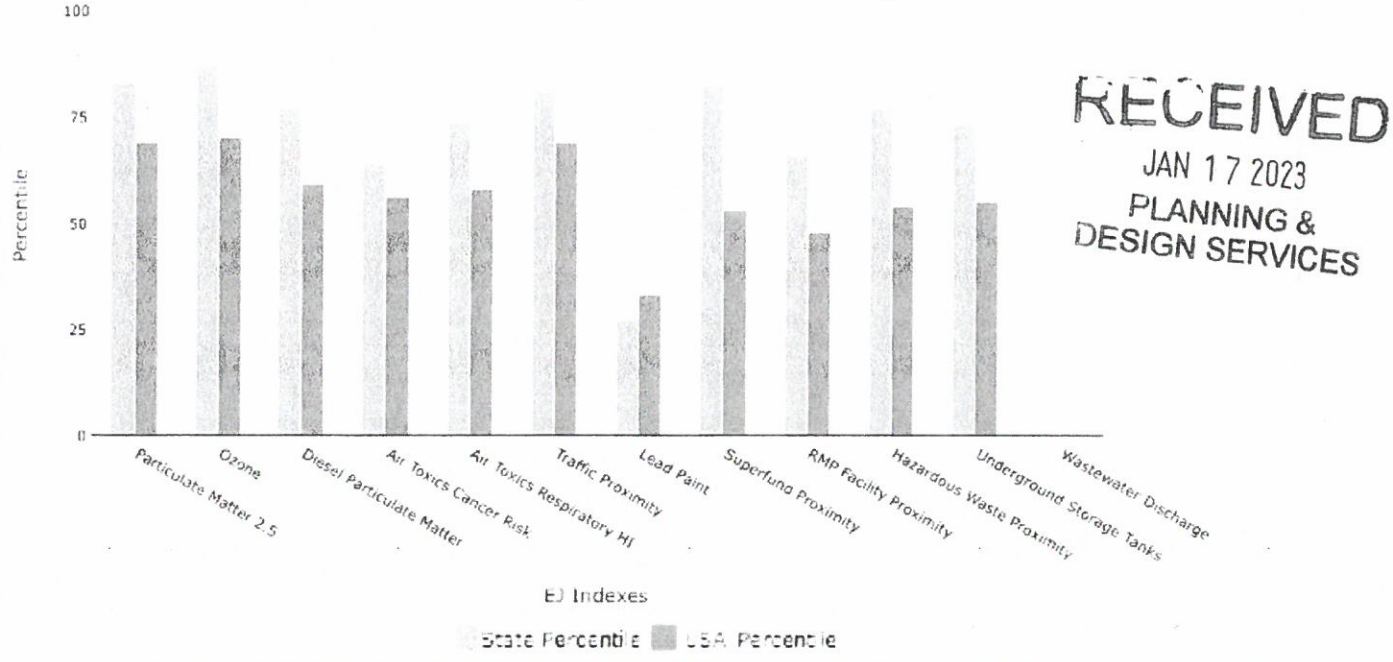
the User Specified Area, KENTUCKY, EPA Region 4

Approximate Population: 1,147

Input Area (sq. miles): 0.17

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
EJ Index for Particulate Matter 2.5	83	69
EJ Index for Ozone	87	70
EJ Index for Diesel Particulate Matter*	77	59
EJ Index for Air Toxics Cancer Risk*	64	56
EJ Index for Air Toxics Respiratory HI*	74	58
EJ Index for Traffic Proximity	81	69
EJ Index for Lead Paint	27	33
EJ Index for Superfund Proximity	82	53
EJ Index for RMP Facility Proximity	66	48
EJ Index for Hazardous Waste Proximity	77	54
EJ Index for Underground Storage Tanks	73	55
EJ Index for Wastewater Discharge	N/A	N/A

EJ Index for the Selected Area Compared to All People's Blockgroups in the State/US



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

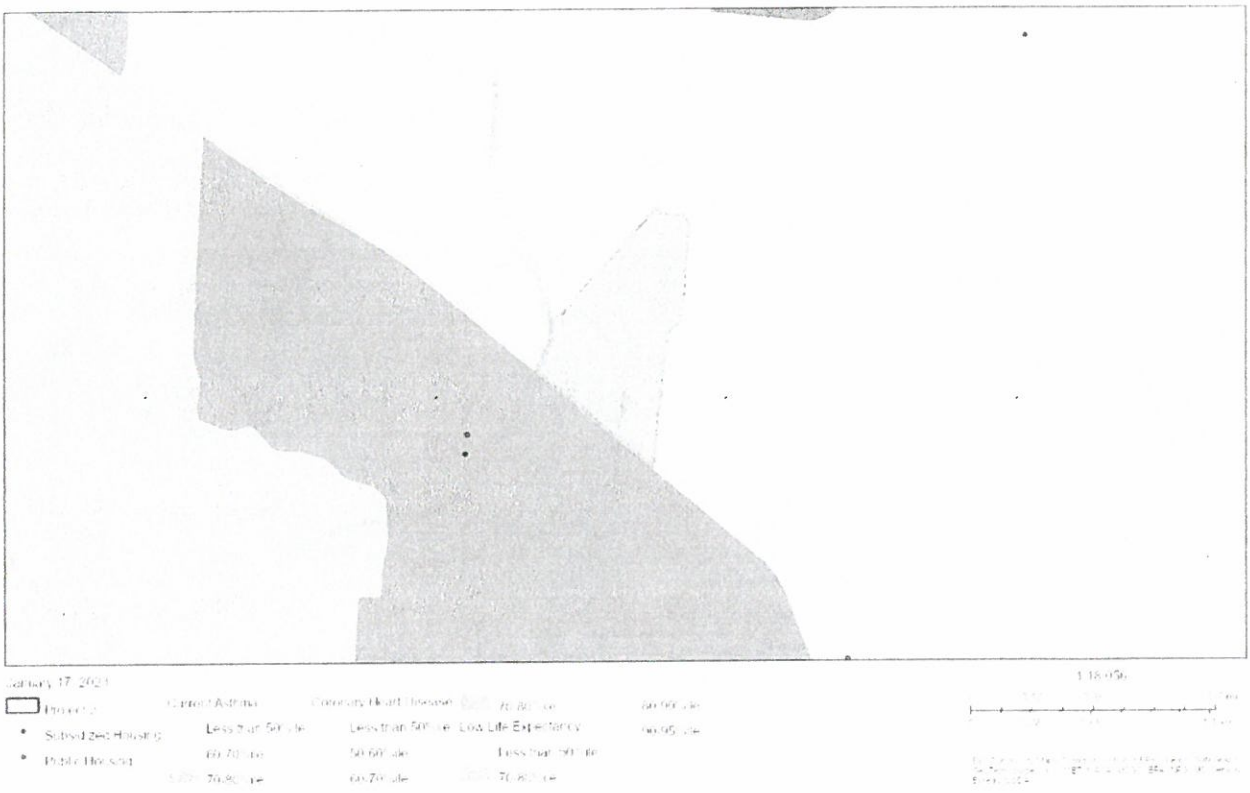
22-ZONE-0012

EJScreen Report (Version 2.1)

the User Specified Area, KENTUCKY, EPA Region 4

Approximate Population: 1,147

Input Area (sq. miles): 0.17



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJScreen Report (Version 2.1)

the User Specified Area, KENTUCKY, EPA Region 4

Approximate Population: 1,147

Input Area (sq. miles): 0.17

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
Pollution and Sources					
Particulate Matter 2.5 ($\mu g/m^3$)	9.75	8.86	83	8.67	81
Ozone (ppb)	45	42.3	96	42.5	76
Diesel Particulate Matter* ($\mu g/m^3$)	0.291	0.221	72	0.294	60-70th
Air Toxics Cancer Risk* (lifetime risk per million)	30	28	99	28	80-90th
Air Toxics Respiratory HI*	0.4	0.36	95	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	1700	420	95	760	89
Lead Paint (% Pre-1960 Housing)	0.045	0.23	18	0.27	25
Superfund Proximity (site count/km distance)	0.053	0.039	81	0.13	46
RMP Facility Proximity (facility count/km distance)	0.23	0.69	52	0.77	42
Hazardous Waste Proximity (facility count/km distance)	0.86	0.76	75	2.2	53
Underground Storage Tanks (count/km^2)	1.2	1.1	68	3.9	50
Wastewater Discharge (toxicity-weighted concentration/m distance)	N/A	1.1	N/A	12	N/A
Socioeconomic Indicators					
Demographic Index	27%	26%	59	35%	47
People of Color	49%	16%	92	40%	66
Low Income	6%	36%	5	30%	9
Unemployment Rate	15%	5%	91	5%	92
Limited English Speaking Households	0%	1%	0	5%	0
Less Than High School Education	11%	13%	46	12%	59
Under Age 5	1%	6%	11	6%	14
Over Age 64	13%	16%	37	16%	41

*Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

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22-ZONE-0012

EJScreen Report (Version 2.1)

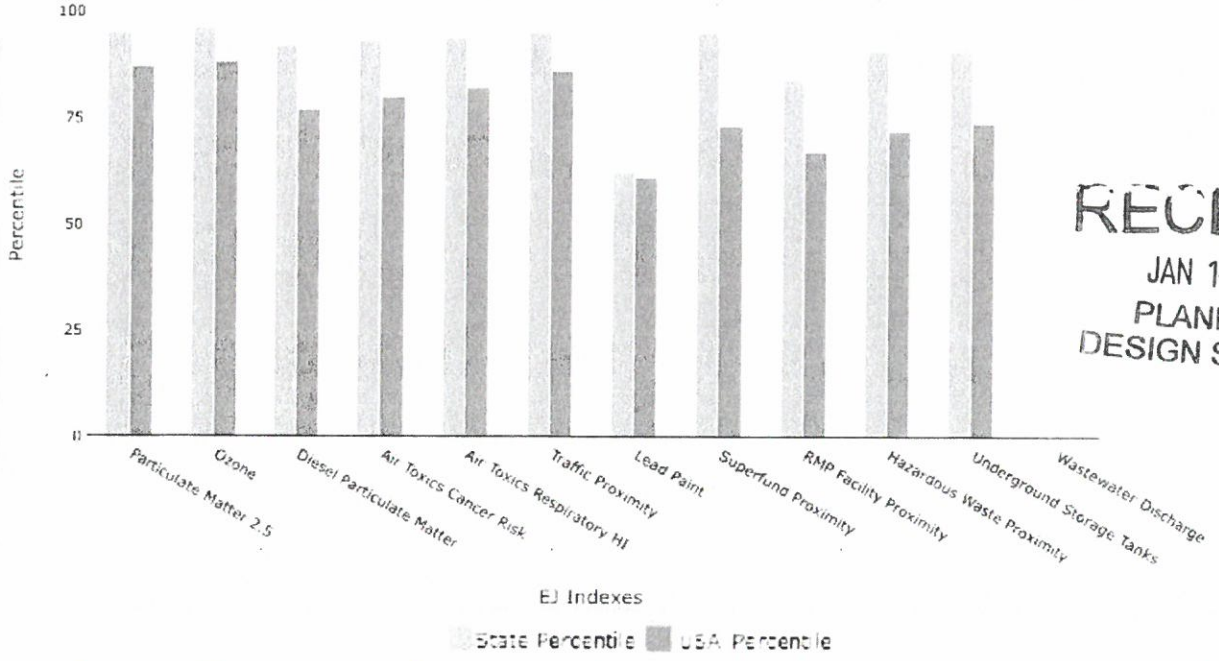
Blockgroup: 211110115093, KENTUCKY, EPA Region 4

Approximate Population: 2,160

Input Area (sq. miles): 0.51

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
EJ Index for Particulate Matter 2.5	95	87
EJ Index for Ozone	96	88
EJ Index for Diesel Particulate Matter*	92	77
EJ Index for Air Toxics Cancer Risk*	93	80
EJ Index for Air Toxics Respiratory HI*	94	82
EJ Index for Traffic Proximity	95	86
EJ Index for Lead Paint	62	61
EJ Index for Superfund Proximity	95	73
EJ Index for RMP Facility Proximity	84	67
EJ Index for Hazardous Waste Proximity	91	72
EJ Index for Underground Storage Tanks	91	74
EJ Index for Wastewater Discharge	N/A	N/A

EJ Index for the Selected Area Compared to All People's Blockgroups in the State/US



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22-BONE-0012

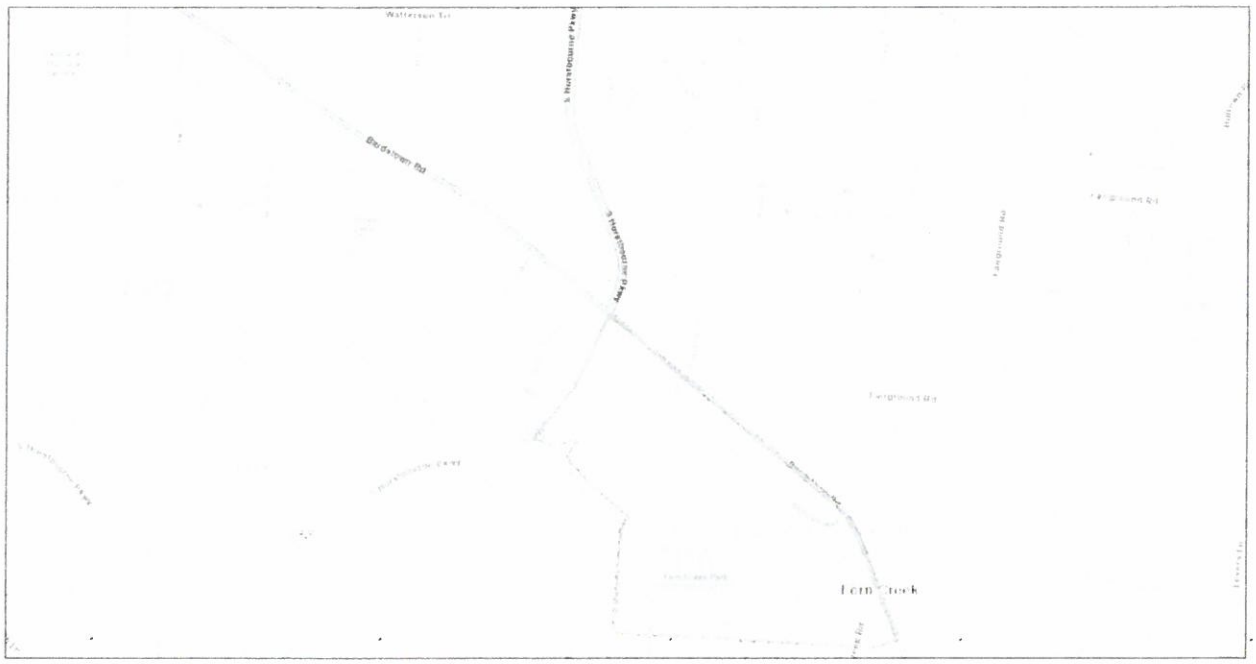
22-ZONE-8012

EJScreen Report (Version 2.1)

Blockgroup: 211110115093, KENTUCKY, EPA Region 4

Approximate Population: 2,160

Input Area (sq. miles): 0.51



January 17, 2023

1:18,056

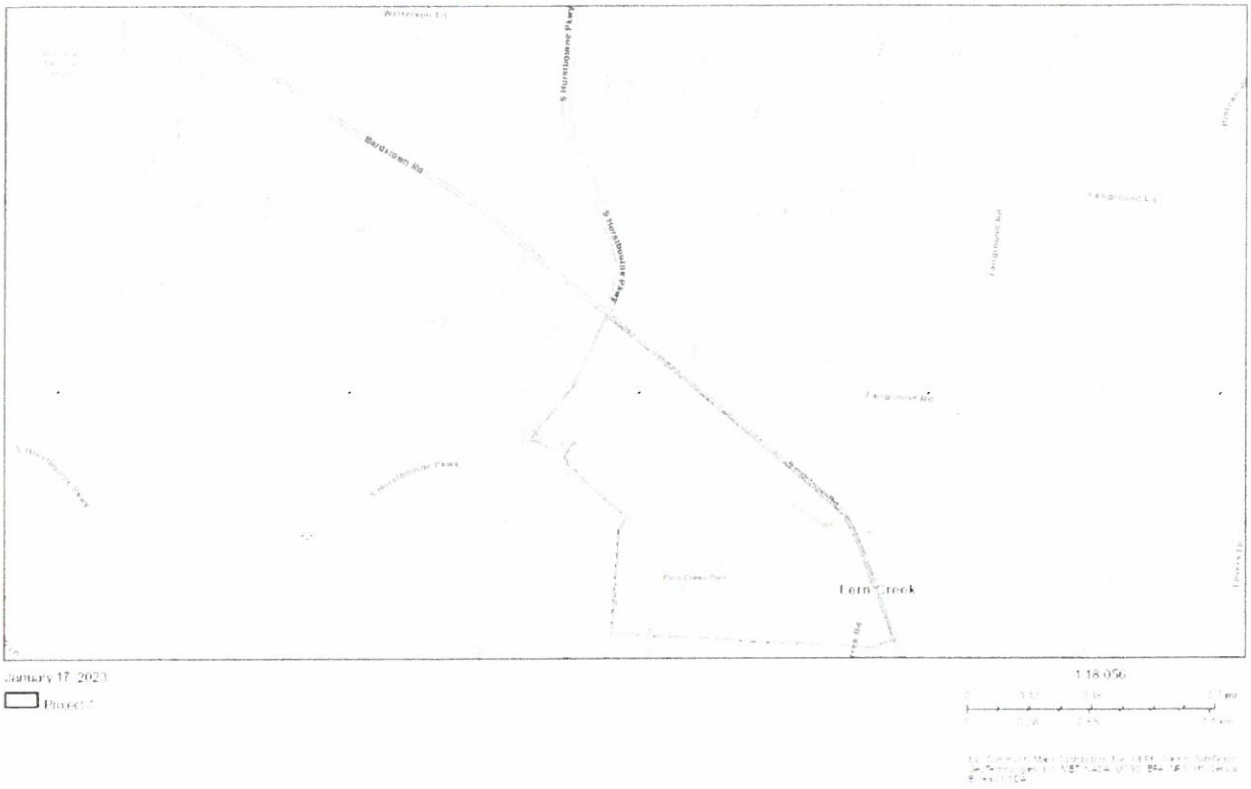
Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJScreen Report (Version 2.1)

Blockgroup: 211110115093, KENTUCKY, EPA Region 4

Approximate Population: 2,160

Input Area (sq. miles): 0.51



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

22-ZONE-0012

2100-3NQ2-22

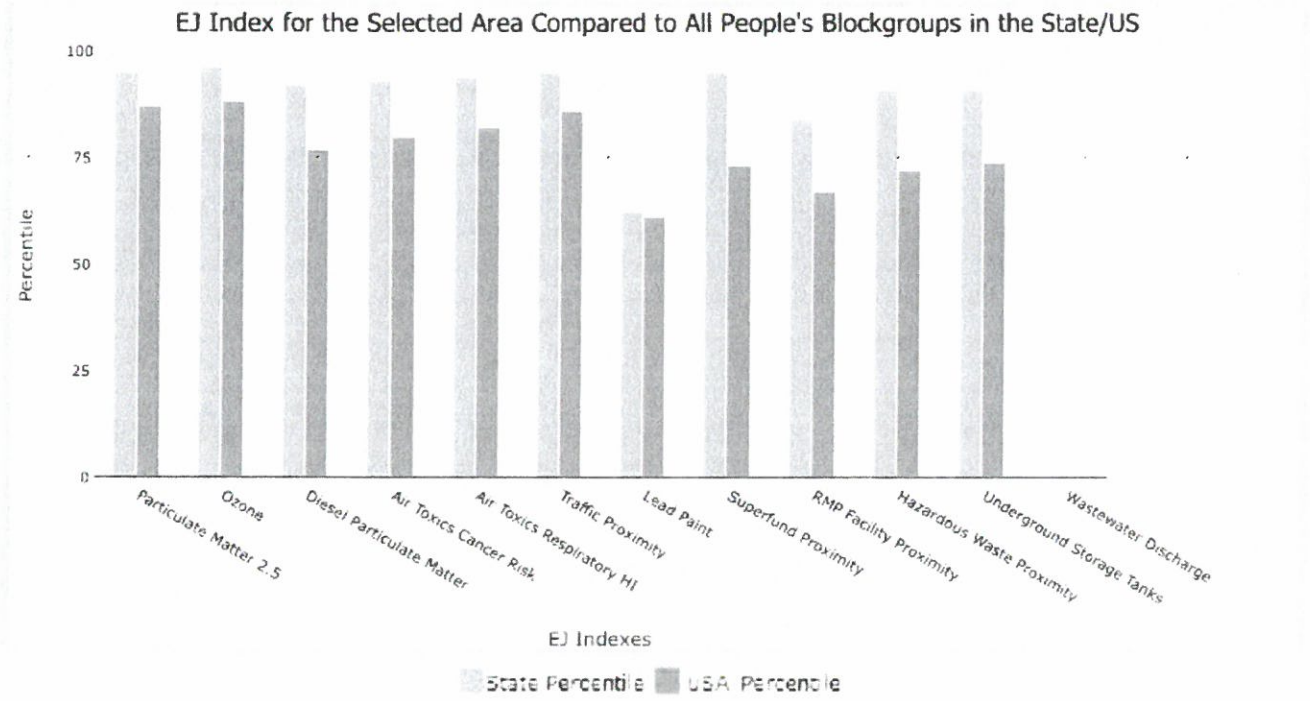
EJScreen Report (Version 2.1)

Blockgroup: 211110115093, KENTUCKY, EPA Region 4

Approximate Population: 2,160

Input Area (sq. miles): 0.51

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
EJ Index for Particulate Matter 2.5	95	87
EJ Index for Ozone	96	88
EJ Index for Diesel Particulate Matter*	92	77
EJ Index for Air Toxics Cancer Risk*	93	80
EJ Index for Air Toxics Respiratory HI*	94	82
EJ Index for Traffic Proximity	95	86
EJ Index for Lead Paint	62	61
EJ Index for Superfund Proximity	95	73
EJ Index for RMP Facility Proximity	84	67
EJ Index for Hazardous Waste Proximity	91	72
EJ Index for Underground Storage Tanks	91	74
EJ Index for Wastewater Discharge	N/A	N/A



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EJScreen Report (Version 2.1)

Blockgroup: 211110115093, KENTUCKY, EPA Region 4

Approximate Population: 2,160

Input Area (sq. miles): 0.51

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
Pollution and Sources					
Particulate Matter 2.5 ($\mu g/m^3$)	9.75	8.86	83	8.67	80
Ozone (ppb)	45	42.3	94	42.5	75
Diesel Particulate Matter* ($\mu g/m^3$)	0.283	0.221	71	0.294	50-60th
Air Toxics Cancer Risk* (lifetime risk per million)	30	28	99	28	80-90th
Air Toxics Respiratory HI*	0.4	0.36	95	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	910	420	88	760	79
Lead Paint (% Pre-1960 Housing)	0.077	0.23	26	0.27	31
Superfund Proximity (site count/km distance)	0.056	0.039	83	0.13	47
RMP Facility Proximity (facility count/km distance)	0.22	0.69	51	0.77	41
Hazardous Waste Proximity (facility count/km distance)	0.7	0.76	71	2.2	50
Underground Storage Tanks (count/km^2)	1.4	1.1	70	3.9	52
Wastewater Discharge (toxicity-weighted concentration/m distance)	N/A	1.1	N/A	12	N/A
Socioeconomic Indicators					
Demographic Index	53%	26%	93	35%	77
People of Color	62%	16%	95	40%	74
Low Income	44%	36%	63	30%	74
Unemployment Rate	7%	5%	68	5%	69
Limited English Speaking Households	10%	1%	96	5%	84
Less Than High School Education	10%	13%	42	12%	55
Under Age 5	11%	6%	86	6%	87
Over Age 64	4%	16%	5	16%	8

*Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

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22-ZONE-0012

2100-ZONE-22

United States Environmental Protection Agency

EJScreen Report (Version 2.1)

Blockgroup: 211110115093, KENTUCKY, EPA Region 4

Approximate Population: 2,160

Input Area (sq. miles): 0.51

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Pollution and Sources					
Particulate Matter 2.5 ($\mu g/m^3$)	9.75	8.86	83	8.67	80
Ozone (ppb)	45	42.3	94	42.5	75
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Traffic Proximity (daily traffic count/distance to road)	910	420	88	760	79
Lead Paint (% Pre-1960 Housing)	0.077	0.23	26	0.27	31
Superfund Proximity (site count/km distance)	0.056	0.039	83	0.13	47
RMP Facility Proximity (facility count/km distance)	0.22	0.69	51	0.77	41
Hazardous Waste Proximity (facility count/km distance)	0.7	0.76	71	2.2	50
Underground Storage Tanks (count/km^2)	1.4	1.1	70	3.9	52
Wastewater Discharge (toxicity-weighted concentration/m distance)	N/A	1.1	N/A	12	N/A
Socioeconomic Indicators					
Demographic Index	53%	26%	93	35%	77
People of Color	62%	16%	95	40%	74
Low Income	44%	36%	63	30%	74
Unemployment Rate	7%	5%	68	5%	69
Limited English Speaking Households	10%	1%	96	5%	84
Less Than High School Education	10%	13%	42	12%	55
Under Age 5	11%	6%	86	6%	87
Over Age 64	4%	16%	5	16%	8

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