EJSCREEN Report (Version 2020)

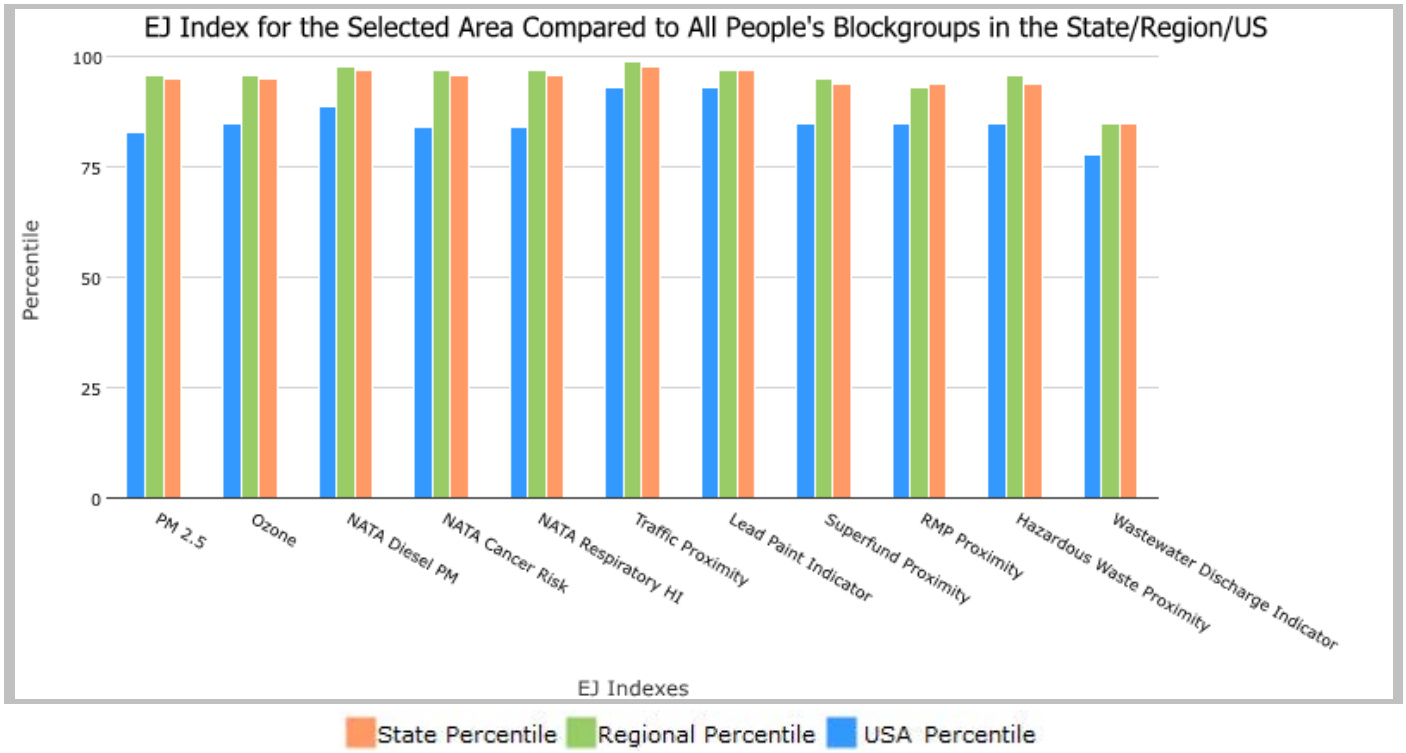
1 mile Ring Centered at 38.692749,-90.266789, MISSOURI, EPA Region 7

Approximate Population: 11,518

Input Area (sq. miles): 3.14

Former St. Louis Munitions Plant

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	95	96	83
EJ Index for Ozone	95	96	85
EJ Index for NATA* Diesel PM	97	98	89
EJ Index for NATA* Air Toxics Cancer Risk	96	97	84
EJ Index for NATA* Respiratory Hazard Index	96	97	84
EJ Index for Traffic Proximity and Volume	98	99	93
EJ Index for Lead Paint Indicator	97	97	93
EJ Index for Superfund Proximity	94	95	85
EJ Index for RMP Proximity	94	93	85
EJ Index for Hazardous Waste Proximity	94	96	85
EJ Index for Wastewater Discharge Indicator	85	85	78



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.

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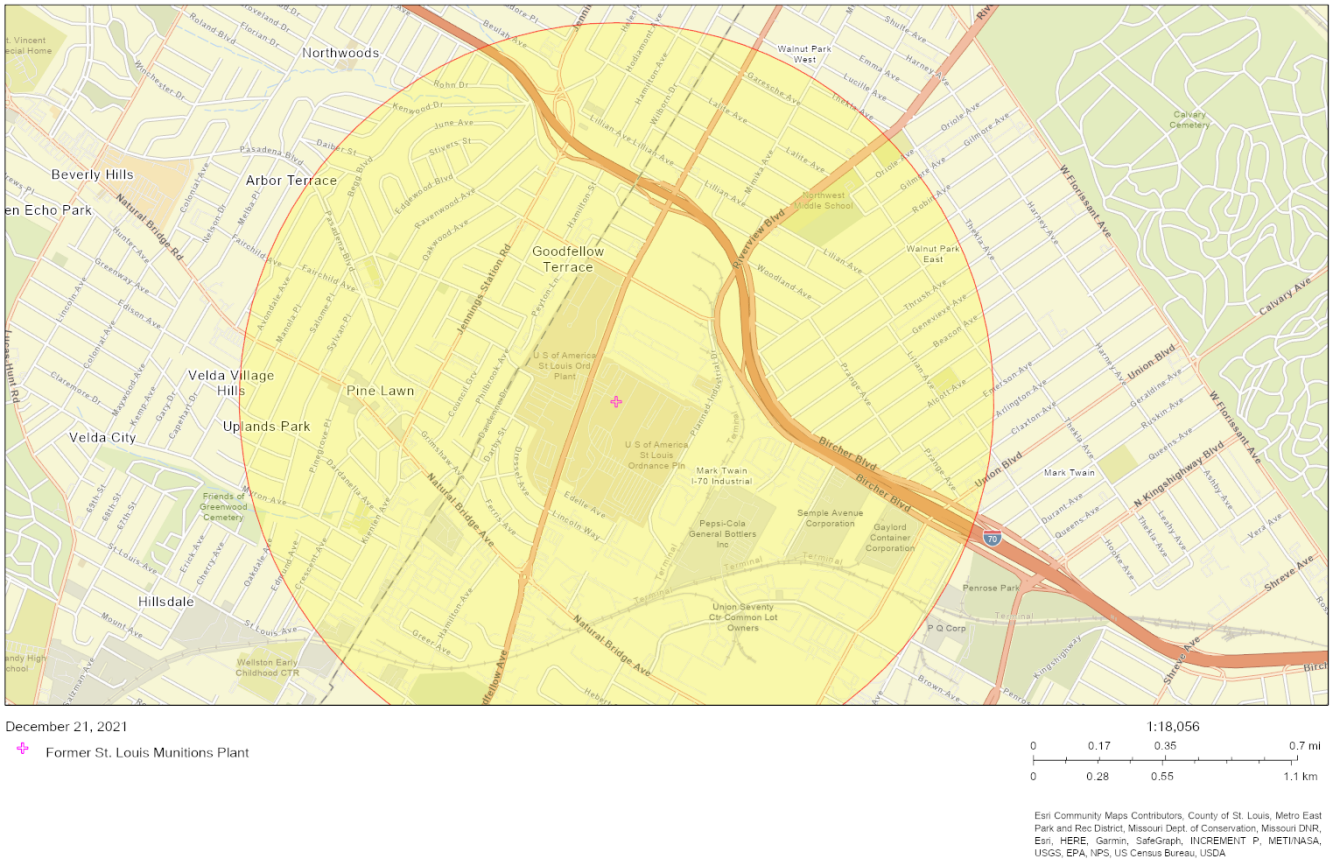

Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	1

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Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m^3)	9.37	8.56	90	8.17	95	8.55	76
Ozone (ppb)	48.8	45.6	96	44.4	98	42.9	86
NATA* Diesel PM (µg/m^3)	0.888	0.447	93	0.367	95-100th	0.478	90-95th
NATA* Cancer Risk (lifetime risk per million)	38	32	95	27	95-100th	32	70-80th
NATA* Respiratory Hazard Index	0.52	0.42	95	0.36	95-100th	0.44	70-80th
Traffic Proximity and Volume (daily traffic count/distance to road)	2000	370	96	330	97	750	90
Lead Paint Indicator (% Pre-1960 Housing)	0.78	0.29	92	0.34	92	0.28	92
Superfund Proximity (site count/km distance)	0.11	0.099	69	0.098	75	0.13	69
RMP Proximity (facility count/km distance)	0.87	0.64	76	0.95	63	0.74	73
Hazardous Waste Proximity (facility count/km distance)	2.8	1.6	81	1.3	85	5	73
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	1.2E-05	8	36	4	36	9.4	45
Demographic Indicators							
Demographic Index	82%	27%	98	25%	99	36%	97
People of Color Population	98%	20%	98	20%	99	39%	96
Low Income Population	67%	33%	93	31%	94	33%	93
Linguistically Isolated Population	1%	1%	74	2%	68	4%	46
Population With Less Than High School Education	24%	10%	93	9%	93	13%	85
Population Under 5 years of age	8%	6%	76	6%	73	6%	74
Population over 64 years of age	16%	16%	53	16%	54	15%	59

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

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

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. 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. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.