



# State of Mississippi

TATE REEVES  
GOVERNOR

## MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHRIS WELLS, EXECUTIVE DIRECTOR

August 23, 2024

Ms. Denisse Díaz, Director of Air and Radiation Division  
U.S. Environmental Protection Agency Region 4  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW  
Atlanta, GA 30303

Re: Amended MDEQ 2025 Annual Network Monitoring Plan and Amended Response to Comments

Dear Ms. Díaz:

On July 3, 2024, the Mississippi Department of Environmental Quality (MDEQ) submitted its Annual Networking Monitoring Plan (ANMP) for Fiscal Year 2025 ("FY25") in accordance with 40 CFR 58.10. In addition to the ANMP, MDEQ also submitted a "Response to Comments" document that outlined MDEQ's responses to all comments received during the corresponding 30-public notice period (i.e., May 28 – June 28, 2024).

For FY25, MDEQ's state-wide ambient air monitoring network includes a special purpose monitoring station that will be utilized to evaluate the ambient concentration of targeted pollutants within the Cherokee Community of Pascagoula, MS for up to one (1) year. Since the submission of the AMNP, MDEQ has officially decided to include particulate matter less than 2.5 in diameter (PM<sub>2.5</sub>) as a "targeted pollutant" that will be monitored at this specific station in accordance with the applicable requirements found in 40 CFR Part 58. As such, MDEQ hereby submits an amended AMNP that includes the necessary revisions to Section 4 and 5 to adequately reflect our decision regarding the evaluation of ambient PM<sub>2.5</sub> concentrations at the special purpose monitoring station.

Additionally, MDEQ hereby submits an amended "Response to Comments" document to revise our response to comment regarding the triggered collection of samples using the SENSIT® SPOD Sensor.

If you have any questions or need further information, please feel free to contact me [601-961-5566; [rcuevas@mdeq.ms.gov](mailto:rcuevas@mdeq.ms.gov)] or Mr. Michael Jordan [601-961-5790; [mjordan@mdeq.ms.gov](mailto:mjordan@mdeq.ms.gov)].

Sincerely,

Rodney Cuevas, BCES  
Meteorologist & Air Quality Management Branch Manager  
Air Division

cc: Corinna Wang, Air Data & Analysis Section  
Katy Lusky, Acting Manager, Air Analysis & Support Branch



MISSISSIPPI DEPARTMENT OF  
ENVIRONMENTAL QUALITY

## MONITORING NETWORK PLAN 2025



(Amended August 23, 2024)

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## 1.0 Background

Federal Regulations (40 CFR 58.10) require that State and Local Agencies operating an ambient air quality monitoring network shall review their air quality monitoring network on an annual basis. Any needed modifications to the network should be identified. A detailed monitoring network description should also be included. In addition, the plan shall be available for public comment. MDEQ's Monitoring Network Plan is available on the MDEQ website at <http://www.deq.state.ms.us>.

The Monitoring Network review that is specified in *40 CFR 58.10* contains the following elements that apply to each monitoring site:

- The Air Quality System (AQS) site identification number.
- The location, including street address and geographical coordinates.
- The sampling and analysis method(s) for each measured parameter.
- The operating schedules for each monitor.
- Any proposals to remove or move a monitoring station within a period of 18 months following plan submittal.
- The monitoring objective and spatial scale of representativeness for each monitor as defined in appendix D of 40 CFR Part 58.
- The identification of any sites that are suitable and sites that are not suitable for comparison against the annual Particulate Matter (PM)<sub>2.5</sub> and Ozone National Ambient Air Quality Standards (NAAQS) as described in 40 CFR 58.30.
- The Metropolitan Statistical Area (MSA), Core Based Statistical Area (CBSA), Consolidated Statistical Area (CSA) and other areas represented by the monitor.
- The annual monitoring network plans and or periodic network assessments are subject to Regional approval according to 40 CFR 58.14.

## 2.0 Overview

In the State of Mississippi, the Mississippi Department of Environmental Quality (MDEQ) is the only agency operating an ambient air quality network. There are no local agencies. In Mississippi, as in other State agencies, network monitors are operated for a variety of monitoring objectives. These objectives include determining if an area of the State meets the NAAQS, for public information such as the Environmental Protection Agency (EPA) AirNow data mapping web site, Air Quality Index (AQI) reporting for public information, background data collection, spatial considerations, and special projects. The AQI forecast is currently reported for the Jackson Metro area, Biloxi/Gulfport area and DeSoto County area on the MDEQ web site at <https://www.mdeq.ms.gov/air/air-quality-forecast/>. In addition, hourly Ozone (O<sub>3</sub>), Particulate Matter (PM), Nitrogen Dioxide (NO<sub>2</sub>), Sulfur Dioxide (SO<sub>2</sub>), and Carbon Monoxide (CO) data is reported to the EPA AirNow website, if applicable. Note: MDEQ initiated the EPA approved correction factor for all the Teledyne API T640/T640x particulate matter instruments in MDEQ's monitoring network. The data collection start-up date utilizing the correction factor began January 01, 2024.

All site data (except for the Pascagoula Cherokee site) are suitable for the NAAQS comparisons per appendices A, C, D, and E. MDEQ's Quality Management Plan (QMP) is current with an approval date of 10/03/2019, while the Criteria Pollutants Quality Assurance Project Plan (QAPP) has an EPA approval

date of 11/17/2023. The QMP is currently being reviewed and, if needed, revised. MDEQ's SOPs were updated, reviewed, and accepted/adopted by EPA as follows: Ozone – 4/6/2023, SO<sub>2</sub> – 4/6/2023, CO – 4/6/2023, NO<sub>2</sub> – 4/6/2023, NO<sub>y</sub> – 4/6/2023, FRM PM<sub>2.5</sub> – 11/28/2022, T640 and T640x- 11/28/2022, Carbon – 8/11/2011, Speciation – 7/27/2011, Data Handling and Data Validation – 4/6/2023, API Calibrators – 4/6/2023 and IML PM<sub>2.5</sub> Gravimetric Lab – 5/17/2021.

40 CFR Part 58 has set minimum monitoring requirements for the pollutants that are to be compared with the NAAQS. These minimum requirements are based on population, the level of monitored pollutants, and MSA as defined in the latest US Census information (See 10.0 for the US Census information). The tables below and the discussion on the following pages summarize this information.

### 3.0 Site Discussion

Mississippi's air quality monitoring network has been reviewed based on the historic monitoring data, air quality monitoring regulations, data representation based on spatial considerations, special data needs and changes needed based on the monitoring regulations. The items used in the evaluation were the AQS database, the 40 Code of Federal Regulations (CFR) Parts 53 and 58 documents, census data and maps. All monitors operated by MDEQ are State and Local Air Monitoring Stations (SLAMS), except for the Pascagoula Cherokee Monitoring Station.

The following sections describe the purposes and any changes related to each site in the ambient air monitoring network in the State of Mississippi based on our review of existing monitoring efforts.

### 4.0 Metropolitan Statistical Area (MSA)-NON MSA

#### Memphis MSA:

1. **Hernando** (DeSoto Co. 28.033.0002) – MDEQ operates an O<sub>3</sub> monitor, and a continuous Federal Equivalent Method (FEM) PM<sub>2.5</sub> monitor at this site that is designated as a transport monitor and therefore is a required monitor. MDEQ has a Regional Monitoring Agreement (RMA) with Shelby County, TN Health Department, and Arkansas Department of Energy and Environment Division of Environmental Quality to meet Appendix D requirements section 2, e. A copy of this agreement is attached (See Section 11.0) and is on file at EPA Region 4. MDEQ has no plans to change the current monitoring efforts at this site.

- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's siting criteria information.
- **Sampling train:** The probe tubing is Fluorinated Ethylene Propylene (FEP), and the probe fittings are Perfluoroalkoxy (PFA). The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's O<sub>3</sub> Residence Time.

#### Jackson MSA:

1. **Jackson NCore** (Hinds Co. 28.049.0020) – The NCore site contains a full complement of monitors, including meteorological. The monitoring parameters currently include O<sub>3</sub>, SO<sub>2</sub>, CO, Nitric Oxides as NO<sub>y</sub>, manual Federal Reference Method (FRM) PM<sub>2.5</sub>, continuous FEM PM<sub>2.5</sub>, continuous FEM PM<sub>10</sub>, FEM PM<sub>10-2.5</sub>, speciated PM<sub>2.5</sub>, wind speed, wind direction, ambient temperature, and relative humidity. The FEM PM<sub>2.5</sub> continuous monitor operates as the primary PM<sub>2.5</sub> monitor while the FRM PM<sub>2.5</sub> will operate on a 1-in-3-day schedule. MDEQ has no plans to change the current monitoring efforts at this site.

- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ’s Jackson NCore siting criteria information.
  - **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ’s O<sub>3</sub>, SO<sub>2</sub>, CO Residence Time.
2. **Jackson Metro MSA** (Hinds Co. 28.049.0021) – MDEQ operates an O<sub>3</sub> monitor, and a continuous FEM PM<sub>2.5</sub> monitor at this site. MDEQ has no plans to change the current monitoring efforts at this site.
- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ’s Hinds Co. siting criteria information.
  - **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ’s O<sub>3</sub> Residence Time.

#### **Hattiesburg MSA:**

1. **Hattiesburg** (Forrest Co. 28.035.0004) – MDEQ operates a continuous FEM PM<sub>2.5</sub> monitor at this site. In addition, a collocated FRM PM<sub>2.5</sub> monitor will continue to operate on a 1-in-6-day schedule to meet MDEQ’s collocated requirements. MDEQ has no plans to change the current monitoring efforts at this site.
- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ’s Hattiesburg siting criteria information.

#### **Gulfport-Biloxi-Pascagoula MSA:**

1. **Gulfport** (Harrison Co. 28.047.0008) – MDEQ operates an ozone monitor, and a continuous FEM PM<sub>2.5</sub> monitor at this site. MDEQ has no plans to change the current monitoring efforts at this site.
- **Site Approval Status:** MDEQ installed a new monitoring shelter that was placed next to the old monitoring shelter. MDEQ received verbal (01/03/2024) and email approval (01/04/2024), from EPA to reconfigure this site. The existing (old building) was shut down on 03/12/2024. The newly reconfigured Gulfport site began collecting data on 03/13/2024. Below is a summary of this reconfiguration:
    1. Relocated the T640 PM and ozone instruments from the current (old) monitoring building to the new one.
    2. Moved the sample probes approximately 25 feet south from the current building to the new sampling probe location.
    3. Set the ozone probe height on the new building at approximately 4.10 meters from the ground.
    4. Established the T640 sample head height on the new building at approximately 4.0 meters from the ground.
    5. Placed each probe on top of the new building, maintaining the same configuration as the old building.

6. The old Gulfport building GPS coordinates: Latitude 30.390127 degrees - Longitude 89.049714 degrees.
7. The reconfiguration/new building GPS coordinates: Latitude 30.390083 degrees - Longitude 89.049709 degrees.
8. The distance (new building) to the nearest tree is 44 meters to the west/southwest. The nearest road (Hancock AVE) is 45 meters east, and the nearest structure is 32 meters northeast (with a height of approximately 5.5 meters). This reconfiguration complies with all siting criteria and monitor operation standards defined in 40 CFR Part 58, Appendices A, C, D, and E.

Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's Gulfport siting criteria information.

- **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's OZONE Residence Time.
2. **Waveland** (Hancock Co. 28.045.0003) – MDEQ operates an ozone monitor, and a continuous FEM PM<sub>2.5</sub> monitor at this site. MDEQ has no plans to change the current monitoring efforts at this site.
    - **Site Approval Status:** MDEQ removed the current (old monitoring building), and then installed a new replacement monitoring shelter. MDEQ received verbal (01/03/2024) and email approval (01/04/2024), from EPA to reconfigure this site. The existing (old building) was shut down on 02/19/2024, and the newly reconfigured Waveland site began collecting data on 02/23/2024. Below is a summary of this reconfiguration:
      1. Relocated the T640 PM and ozone instruments from the current monitoring building to the new one.
      2. Placed each probe on top of the new building, maintaining the same configuration as the removed building.
      3. Set the ozone probe height on the new building at approximately 5.0 meters from the ground.
      4. Established the T640 sample head height on the new building at approximately 4.2 meters from the ground.
      5. The reconfiguration/new building GPS coordinates: Latitude 30.184 degrees - Longitude 89.2345 degrees. This is the same as the old monitoring building.
      6. This reconfiguration complies with all siting criteria and monitor operation standards defined in 40 CFR Part 58, Appendices A, C, D, and E. See Appendix A for a summary of MDEQ's Waveland siting criteria information. See Appendix A for a summary of MDEQ's Waveland siting criteria information.

Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's Waveland siting criteria information.

- **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's OZONE Residence Time.
3. **Pascagoula** (Jackson Co. 28.059.0006) – MDEQ operates an OZONE, SO<sub>2</sub>, nitrogen oxide (NO<sub>x</sub>) monitor, and a continuous FEM PM<sub>2.5</sub> monitor at this site. The NO<sub>x</sub> monitor is designated as an RA-

40 site. The SO<sub>2</sub> monitor is designated as a population weighted exposure index (PWEI) site. MDEQ has no plans to change the current monitoring efforts at this site.

- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's Pascagoula siting criteria information.
  - **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's OZONE, SO<sub>2</sub> and NO<sub>x</sub> Residence Time.
4. **Pascagoula Cherokee** (Jackson Co. 28.059.0007) – MDEQ is in the process of establishing a Special Purpose Monitoring (SPM) station in the Cherokee Community of Pascagoula, MS but does not have a definitive start-up date at the submittal date of this plan. This SPM air monitoring station will be operated for one (1) year near the Cherokee community, which is situated in close proximity to the Bayou Casotte Industrial Complex. The pollutants of concern identified by EPA and the Agency for Toxic Substances and Disease Registry (ATSDR) for the Cherokee Community include particulate matter smaller than 10 microns in diameter (PM<sub>10</sub>), particulate matter smaller than 2.5 microns in diameter (PM<sub>2.5</sub>), PM<sub>10</sub> metals, volatile organic compounds (VOCs), and total reduced sulfur (TRS) compounds. PM<sub>10</sub>, PM<sub>2.5</sub>, total VOCs, and TRS compounds will be monitored continuously, while PM<sub>10</sub> metals, speciated VOCs, and speciated reduced sulfur compounds will be sampled on a 1-in-6-day schedule. Additionally, triggered sample canisters are proposed for the project to capture any respectively high concentration VOC plumes or TRS plumes that may occur outside of a regularly scheduled sample day near the Bayou Casotte Industrial Complex.

This proposed multi-pollutant air quality monitoring project will obtain quality, long term monitoring data necessary to identify the presence of any air quality problem associated with the pollutants of greatest concern in the Cherokee community. The main concern for the Cherokee community is the potential for cumulative risk associated with the proximity to an industrial complex housing multiple types of industrial sources.

The benefit of identifying whether an air quality problem exists in this Environmental Justice (EJ) community will be to [1] put citizens' minds at ease should no air quality problem be found or [2] give MDEQ and other agencies the necessary data to identify ways to mitigate any air quality problem and/or reduce any unacceptable risk to the community.

- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's Pascagoula Cherokee siting criteria information.
- **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's TRS Residence Time.

### **Non- MSA Sites:**

1. **Meridian** (Lauderdale Co. 28.075.0003) – An OZONE monitor is operated at this site. MDEQ has no plans to change the current monitoring efforts at this site.
  - **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's Meridian siting criteria information.



- **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's OZONE Residence Time.
2. **Tupelo** (Lee Co. 28.081.0005) – An ozone monitor is operated at this site. MDEQ has no plans to change the current monitoring efforts at this site.
- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's siting criteria information.
  - **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's OZONE Residence Time.
3. **Cleveland** (Bolivar Co. 28.011.0002) – MDEQ operates an ozone monitor, and a continuous FEM PM<sub>2.5</sub> monitor (Background) at this site. MDEQ has no plans to change the current monitoring efforts at this site.
- **Site Approval Status:** Site and monitors meet all design criteria for the monitoring network. See Appendix A for a summary of MDEQ's Cleveland siting criteria information.
  - **Sampling train:** The probe tubing is FEP, and the probe fittings are PFA. The stainless-steel fitting at the funnel has been drilled and the FEP tubing pushed through the fitting and extends into the funnel. See Appendix A for a summary of MDEQ's OZONE Residence Time.

## 5.0 NCore Site Tables

AQS ID	MSA	Site Name	County	City	Latitude	Longitude	Street Address	Elevation (meters)	Site start date	Location Setting
28-049-0020	Jackson	Jackson NCore	Hinds	Jackson	32.19.45	90.10.58	232 E Woodrow Wilson	93	7/01/2013	Urban and city center
Parameter	Monitoring Objective	Measurement Scale	Designation	Type	Method	Schedule	Comment			
CO	Pop. Exp.	Neighborhood	NCore	Continuous Monitor	Non-Dispersive IR	Jan-Dec				
NO <sub>y</sub>	Pop. Exp.	Neighborhood / Urban	NCore	Continuous Monitor	Chemiluminescence	Jan-Dec				
O <sub>3</sub>	Pop. Exp.	Neighborhood / Urban	NCore	Continuous Monitor	UV Photometry	Jan-Dec				
SO <sub>2</sub>	Pop. Exp.	Neighborhood	NCore	Continuous Monitor	UV fluorescence	Jan-Dec				
FRM PM <sub>2.5</sub>	Pop. Exp.	Neighborhood	NCore	Manual Reference Monitor (3 Day)	Gravimetric Analysis	Jan-Dec				
FEM PM <sub>2.5</sub>	Pop. Exp.	Neighborhood	NCore	Continuous Monitor	Broadband Spectroscopy	Jan-Dec	T640x			
PM <sub>2.5</sub> Speciation	Pop. Exp.	Neighborhood	NCore	Manual Monitor (3 Day)	Multiple Methods	Jan-Dec				
PM coarse	Pop. Exp.	Neighborhood	NCore	Continuous Monitor	Difference by Broadband Spectroscopy	Jan-Dec	T640x			
Meteorological	--	--	NCore	--	Wind speed, direction, ambient temperature, humidity	Jan-Dec				
Radiation	Pop. Exp.	Urban	Rad Net	Continuous / Manual Monitor		Jan-Dec	Non NCore			

## 6.0 Network Tables

### NETWORK DESIGN TABLES MISSISSIPPI

#### PM<sub>10</sub>

Location	County	MSA	AQS ID	Monitoring Objective	Measurement Scale	MSA Min Required	Collocated	Type	Method	Schedule	Comment
Jackson NCore	Hinds	Jackson	28-049-0020	Pop. Exp.	Urban	1	No	Continuous	639	Jan-Dec	T640x
Pascagoula Cherokee	Jackson	Pascagoula	28-059-0007	Pop. Exp.	Neighborhood	0	No	Continuous	639	One Year from Startup	T640x

#### PM<sub>2.5</sub>

Location	County	MSA	AQS ID	Monitoring Objective	Measurement Scale	MSA Min Required	Collocated	Type	Method	Schedule
Hernando	DeSoto	Memphis	28-033-0002	Transport	Urban	1	No	Continuous	636 T640	Jan-Dec
Hattiesburg	Forrest	Hattiesburg	28-035-0004	Pop. Exp.	Neighborhood	1	Yes	Manual (1/6 day) collocated Continuous	145 SEQ 636 T640	Jan-Dec Jan-Dec

Location	County	MSA	AQS ID	Monitoring Objective	Measurement Scale	MSA Min Required	Collocated	Type	Method	Schedule
Waveland	Hancock	Gulf/Biloxi	28-045-0003	Pop. Exp.	Neighborhood	0	No	Continuous	636 T640	Jan-Dec
Gulfport	Harrison	Gulf/Biloxi	28-047-0008	Pop. Exp.	Neighborhood	1	No	Continuous	636 T640	Jan-Dec
Pascagoula	Jackson	Pascagoula	28-059-0006	Pop. Exp.	Neighborhood	0	No	Continuous	636 T640	Jan-Dec
Pascagoula Cherokee	Jackson	Pascagoula	28-059-0007	Pop. Exp.	Neighborhood	0	No	Continuous	636 T640x	One Year from Startup
Jackson NCore	Hinds	Jackson	28-049-0020	Pop. Exp.	Neighborhood	1	No	PM <sub>10-2.5</sub> (primary) Manual (3 Day) Continuous	638 T640x 640 T640x 145 SEQ	Jan-Dec Jan-Dec Jan-Dec
Jackson	Hinds	Jackson	28-049-0021	Pop. Exp.	Neighborhood	1	No	Continuous	636 T640	Jan-Dec
Cleveland	Bolivar	N/A	28-011-0002	Background	Neighborhood	1	No	Continuous	636 T640	Jan-Dec

**Comments:** All manual monitors are FRM and classified as SLAMS. The continuous FEM monitors will be primary.

## SO<sub>2</sub> and TRS

Location	County	MSA	AQS ID	Monitoring Objective	Measurement Scale	MSA Min Required	Type	Method	Schedule
Jackson NCore	Hinds	Jackson	28-049-0020	Pop. Exp.	Neighborhood	1	Continuous	600	Jan-Dec
Pascagoula	Jackson	Pascagoula	28-059-0006	Pop. Exp.	Neighborhood	0	Continuous	060	Jan-Dec
Pascagoula Cherokee	Jackson	Pascagoula	28-059-0007	Pop. Exp.	Neighborhood	0	Continuous	N/A	One year from startup

**Comments:** All monitors are classified as SLAMS. Except the Pascagoula Cherokee Site

## NO<sub>x</sub>/NO<sub>y</sub>

Location	County	MSA	AQS ID	Monitoring Objective	Measurement Scale	MSA Min Required	Type	Method	Schedule
Jackson NCore	Hinds	Jackson	28-049-0020	Pop. Exp.	Neighborhood / Urban	1	Continuous	699	Jan-Dec
Pascagoula	Jackson	Pascagoula	28-059-0006	Pop. Exp.	Neighborhood	0	Continuous	099	Jan-Dec

**Comments:** All monitors are classified as SLAMS

## CO

Location	County	MSA	AQS ID	Monitoring Objective	Measurement Scale	MSA Min Required	Type	Method	Schedule
Jackson NCore	Hinds	Jackson	28-049-0020	Pop. Exp.	Neighborhood	1	Continuous	055	Jan-Dec

**OZONE**

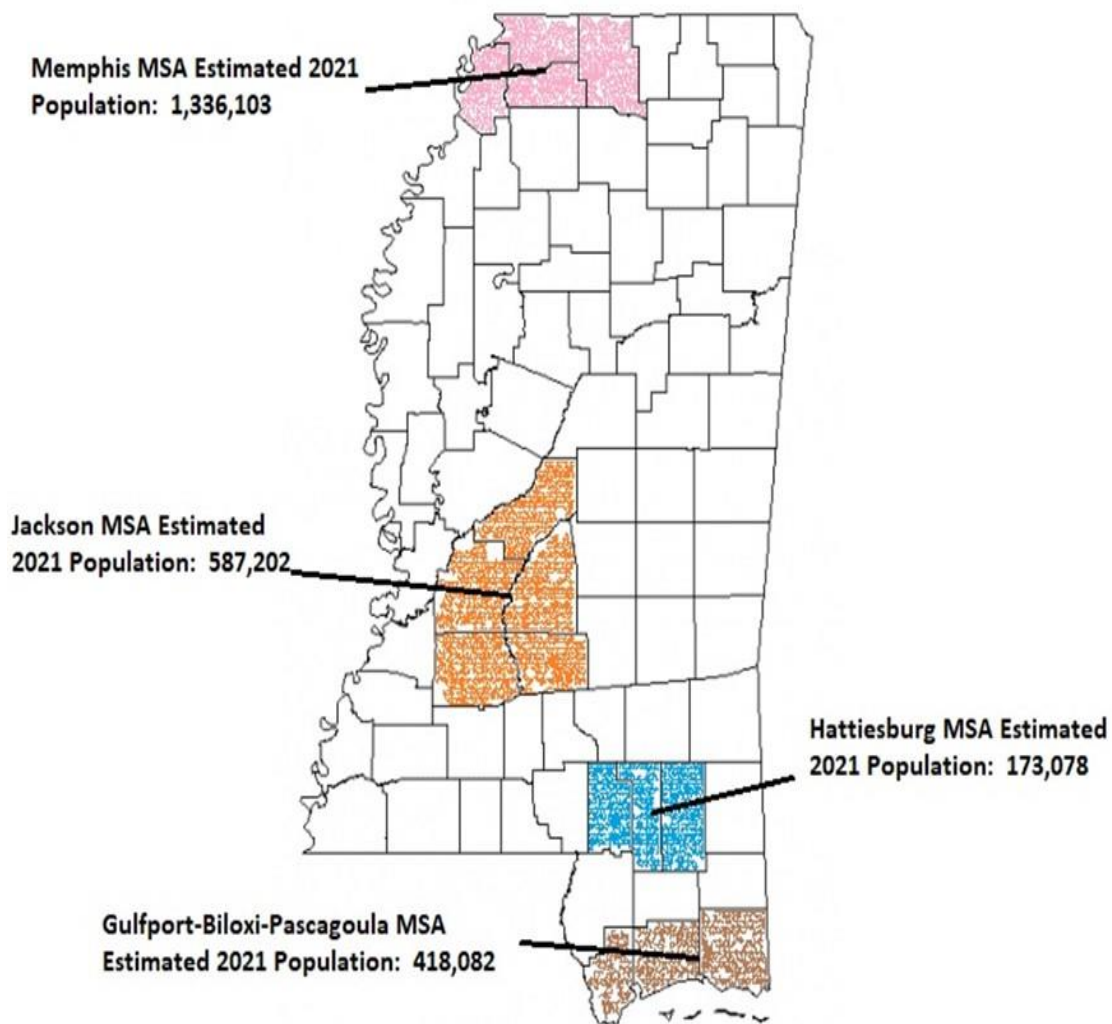
Location	County	MSA	AQS ID	Monitoring Objective	Measurement Scale	MSA Min Required	Type	Method	Schedule
Cleveland	Bolivar	N/A	28-011-0002	Pop. Exp.	Urban	0	Continuous	UV Absorp.	Mar - Oct
Gulfport	Harrison	Gulfport / Biloxi / Pascagoula	28-047-0008	Pop. Exp.	Urban	1	Continuous	UV Absorp.	Mar - Oct
Waveland	Hancock	Gulfport / Biloxi / Pascagoula	28-045-0003	Pop. Exp.	Urban	0	Continuous	UV Absorp.	Mar - Oct
Hernando	DeSoto	Memphis	28-033-0002	Pop. Exp.	Urban	1	Continuous	UV Absorp.	Mar - Oct
Jackson	Hinds	Jackson	28-049-0021	Pop. Exp.	Urban	1	Continuous	UV Absorp.	Mar - Oct
Jackson NCore	Hinds	Jackson	28-049-0020	Pop. Exp.	Urban	1	Continuous	UV Absorp.	Jan - Dec
Meridian	Lauderdale	N/A	28-075-0003	Pop. Exp.	Urban	0	Continuous	UV Absorp.	Mar - Oct
Pascagoula	Jackson	Gulfport / Biloxi / Pascagoula	28-059-0006	Pop. Exp.	Urban	1	Continuous	UV Absorp.	Mar - Oct
Tupelo	Lee	N/A	28-081-0005	Pop. Exp.	Urban	0	Continuous	UV Absorp.	Mar - Oct

Comments: All monitors are classified as SLAMS

## 7.0 Site Location Coordinates

Site ID	Latitude	Longitude	Site Name	County	Address
28-011-0002	33.453	-90.443	Cleveland	Bolivar	HWY 8 Cleveland, MS (Delta State)
28-033-0002	34.4914	-89.5916	Hernando	Desoto	5 East Sout Street
28-035-0004	31.1926	-89.1732	Hattiesburg	Forrest	101 Ferguson Street
28-045-0003	30.184	-89.2345	Waveland	Hancock	400 Baltic Street
28-047-0008	30.2324	-89.259	Gulfport YC	Harrison	47 Maples Drive
28-049-0021	32.1914	-90.1050	Hinds CC	Hinds	3925 Sunset Drive
28-049-0020	32.1945	-90.1058	Jackson NCore	Hinds	232 E. Woodrow Wilson
28-059-0006	30.2241	-88.322	Pascagoula	Jackson	Hospital Rd./LT Eugene J Majure Dr.
28-075-0003	32.2152	-88.4353	Meridian	Lauderdale	HWY 19 and 53 <sup>rd</sup> Ave.
28-081-0005	34.1554	-88.4558	Tupelo	Lee	West Jackson at Tupelo Airport
28-059-0007	30.3524	-88.5090	Pascagoula (Cherokee)	Jackson	5305 Ladner Rd

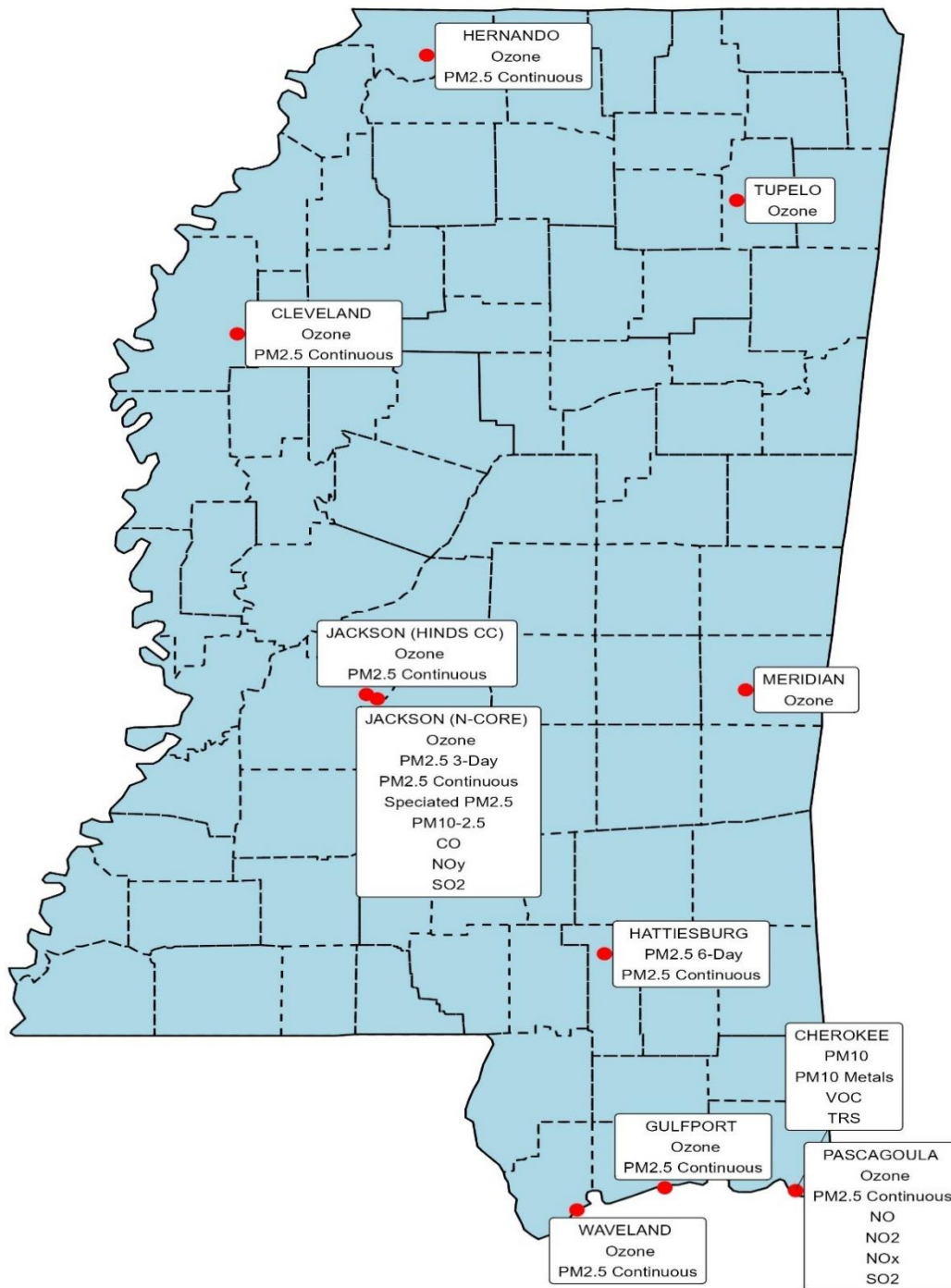
## 8.0 MSA and Pollutant Maps



MISSISSIPPI MSA AREAS 2025

- MEMPHIS – DeSoto, Tunica, Marshall, Tate
- JACKSON – Hinds, Rankin, Copiah, Simpson, Madison
- HATTIESBURG – Lamar, Forrest, Perry
- GULFPORT-BILOXI-PASAGOULA – Hancock, Harrison, Jackson

# 2024 MDEQ Air Monitoring Network



## 9.0 Site Maps and Current Photos

### CLEVELAND



Cleveland-North (2024)



Cleveland-South (2024)



Cleveland-East (2024)

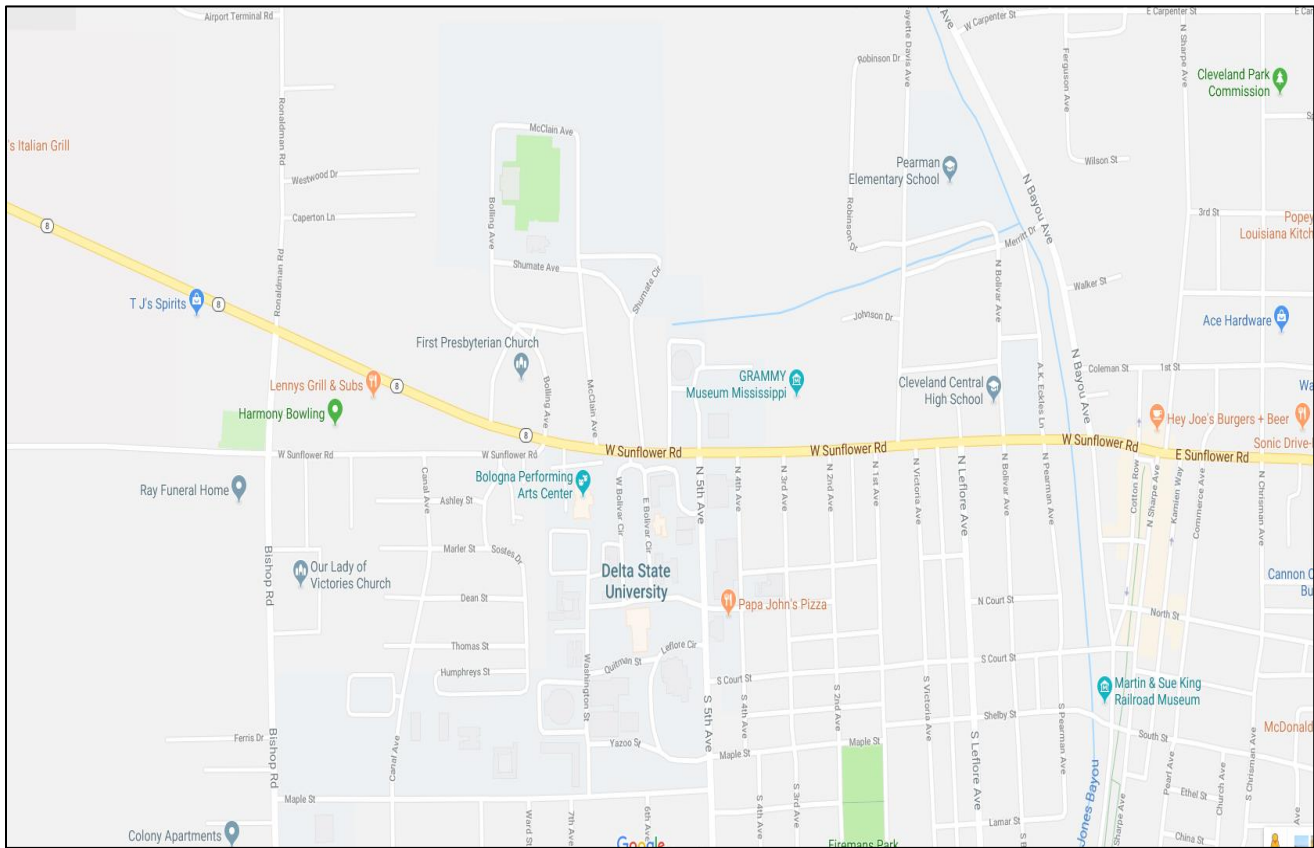


Cleveland-West (2024)



Cleveland-28-011-0002 (2024)





**HERNANDO**



Hernando-North (2024)



Hernando-South (2024)



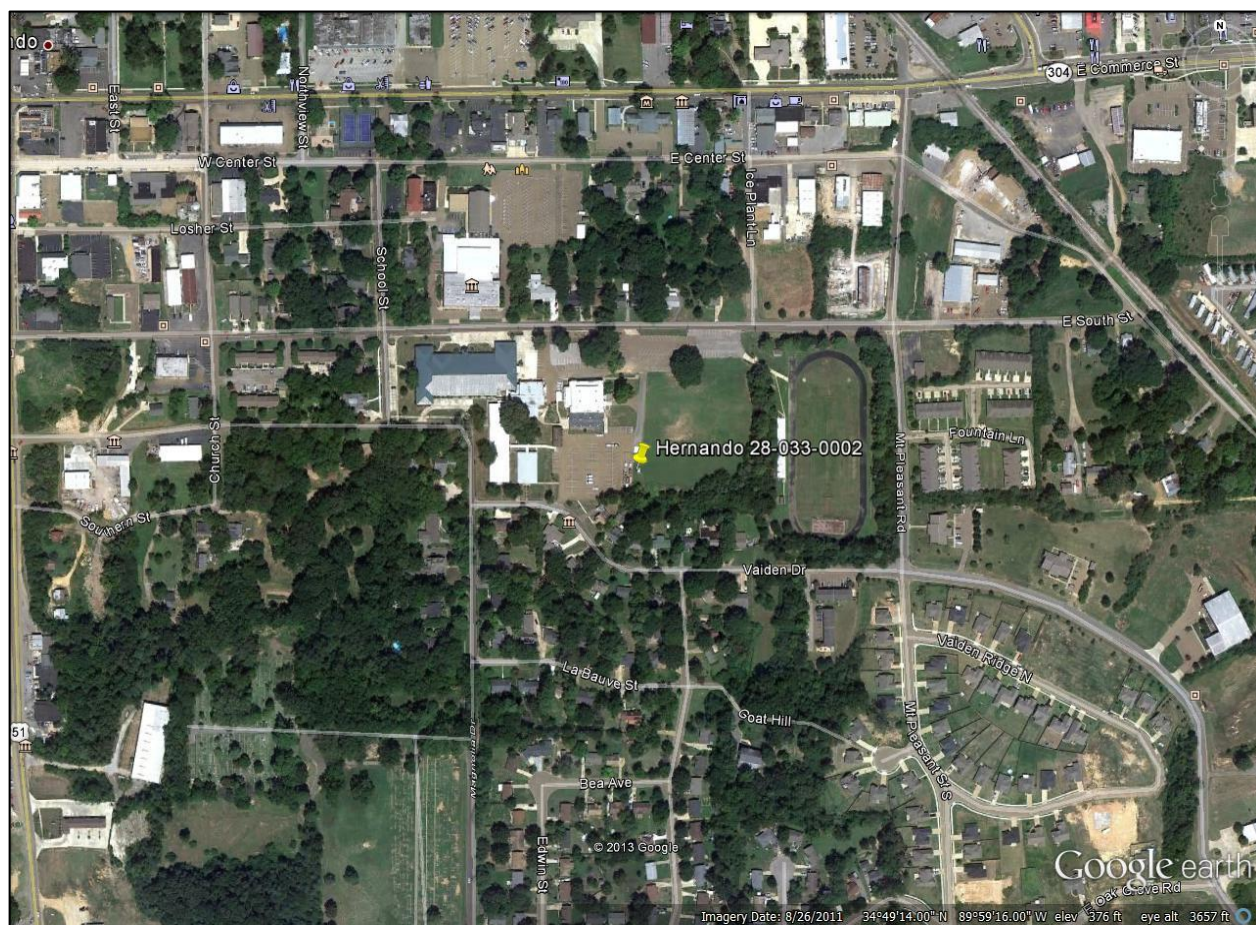
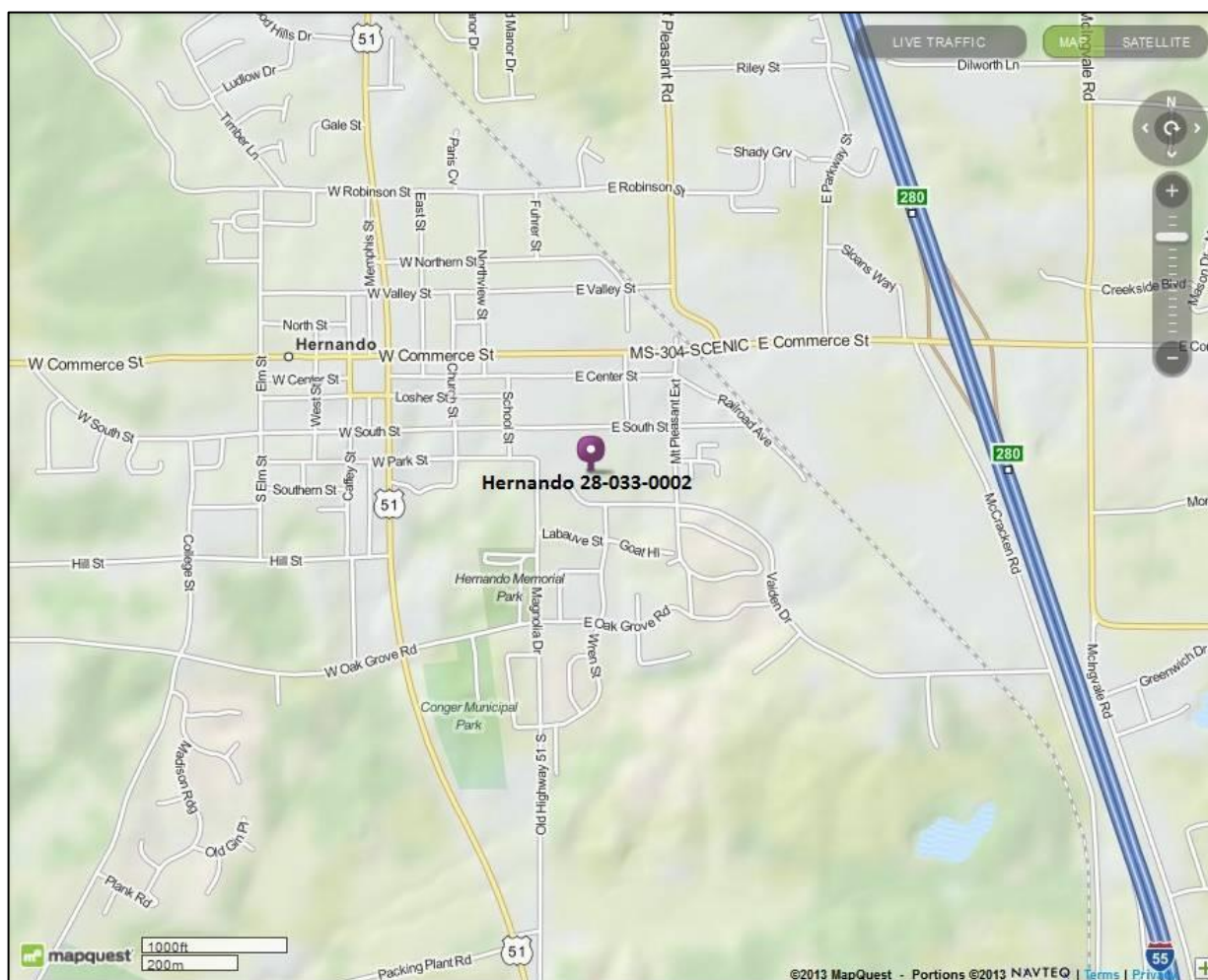
Hernando-East (2024)



Hernando-West (2024)



Hernando-28-033-0008 (2024)



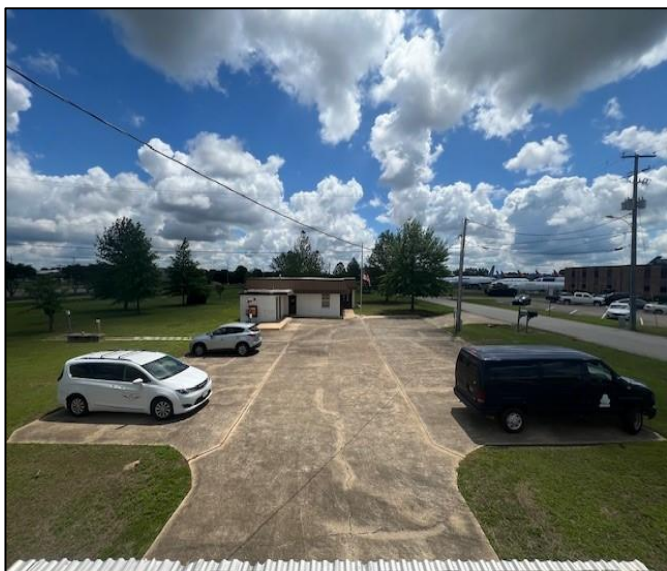
# TUPELO



Tupelo-North (2024)



Tupelo-South (2024)



Tupelo-East (2024)



Tupelo-South (2024)



Tupelo-28-081-0005 (2024)



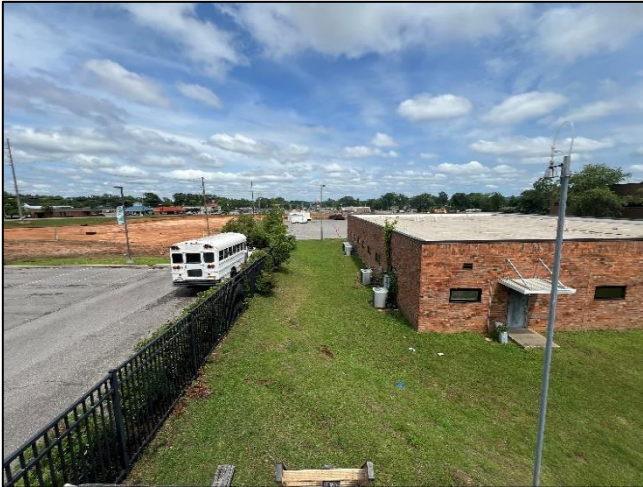
**MERIDIAN**



Meridian-North (2024)



Meridian-South (2024)



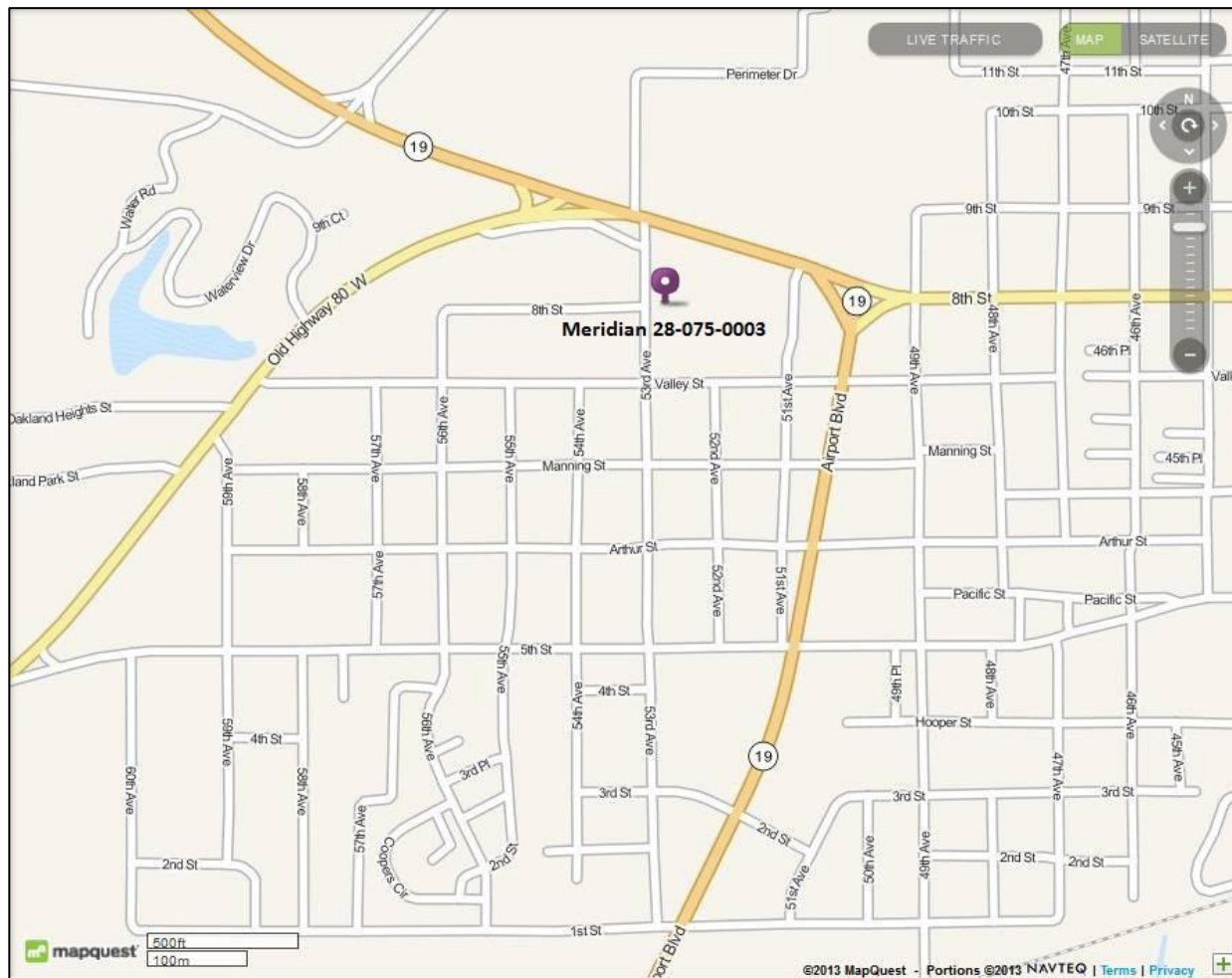
Meridian-East (2024)



Meridian-West (2024)



Meridian-28-075-0003 (2024)



# Jackson NCore



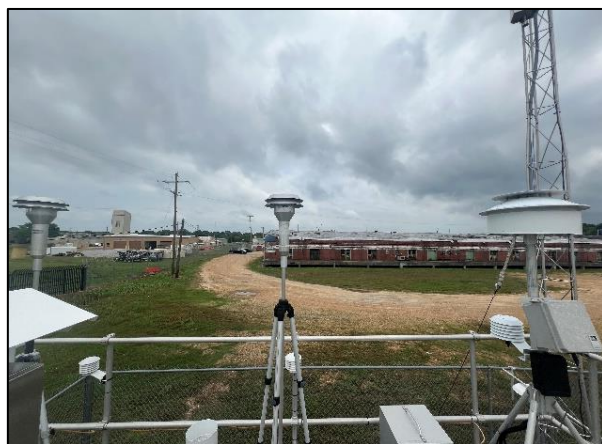
NCore-North (2024)



NCore-South (2024)



NCore-East (2024)

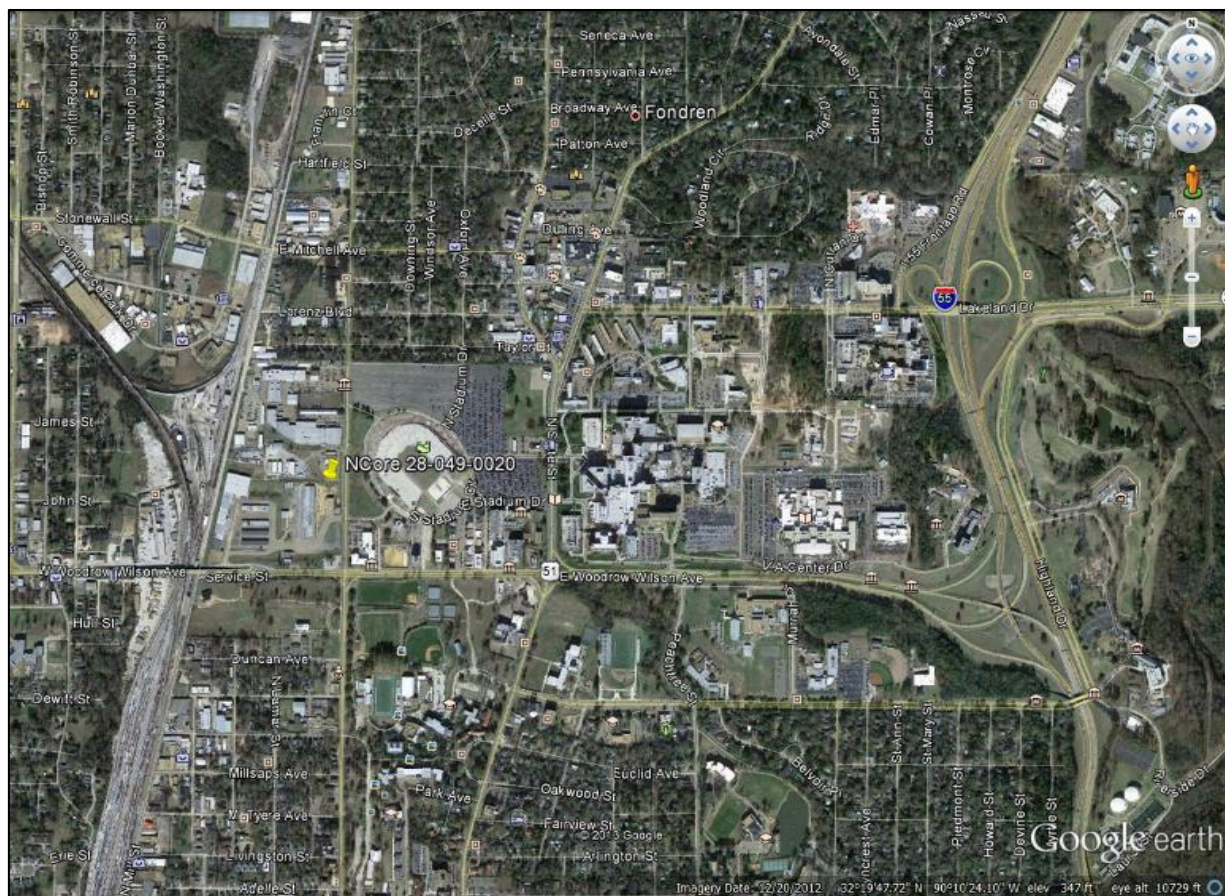
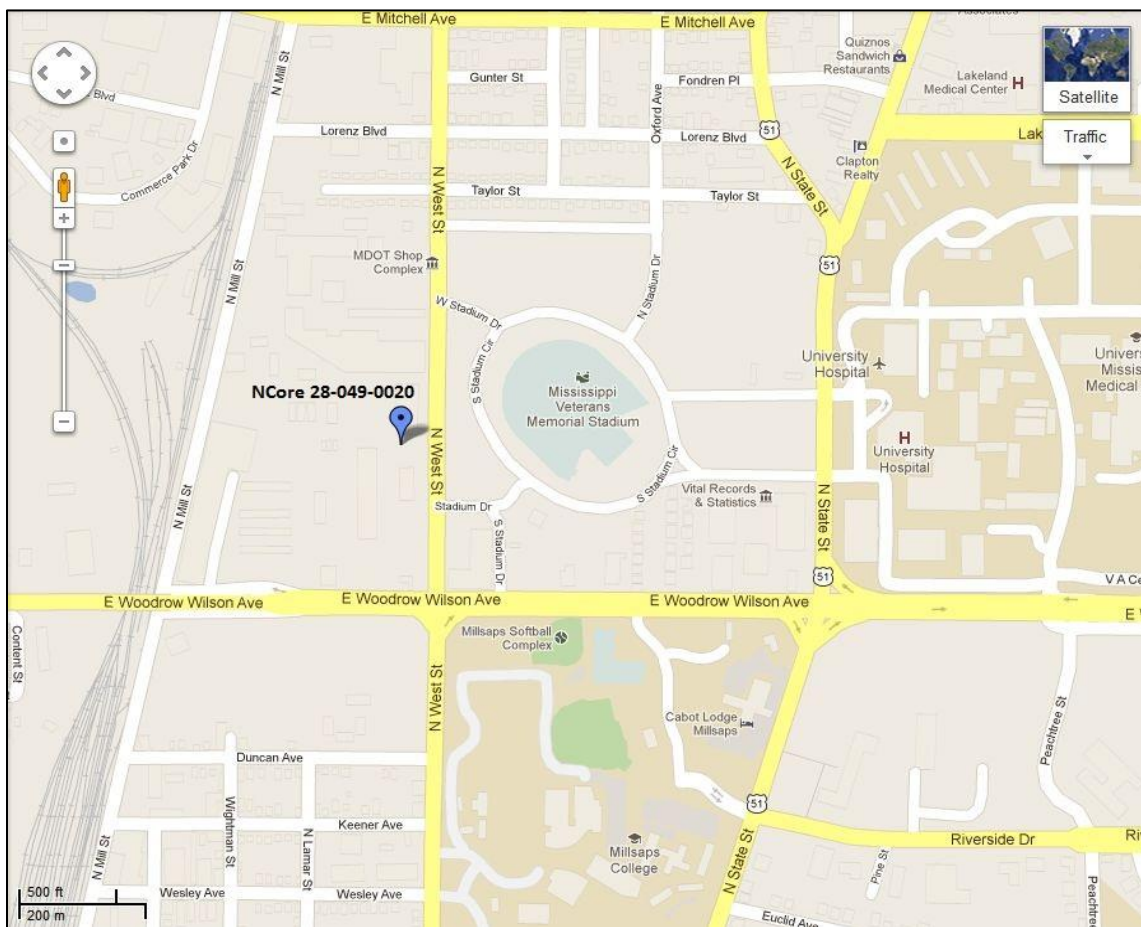


NCore-West (2024)



NCore-28-049-0020 (2024)





**HINDS COMMUNITY COLLEGE (CC)**



Hinds-North (2024)



Hinds-South (2024)



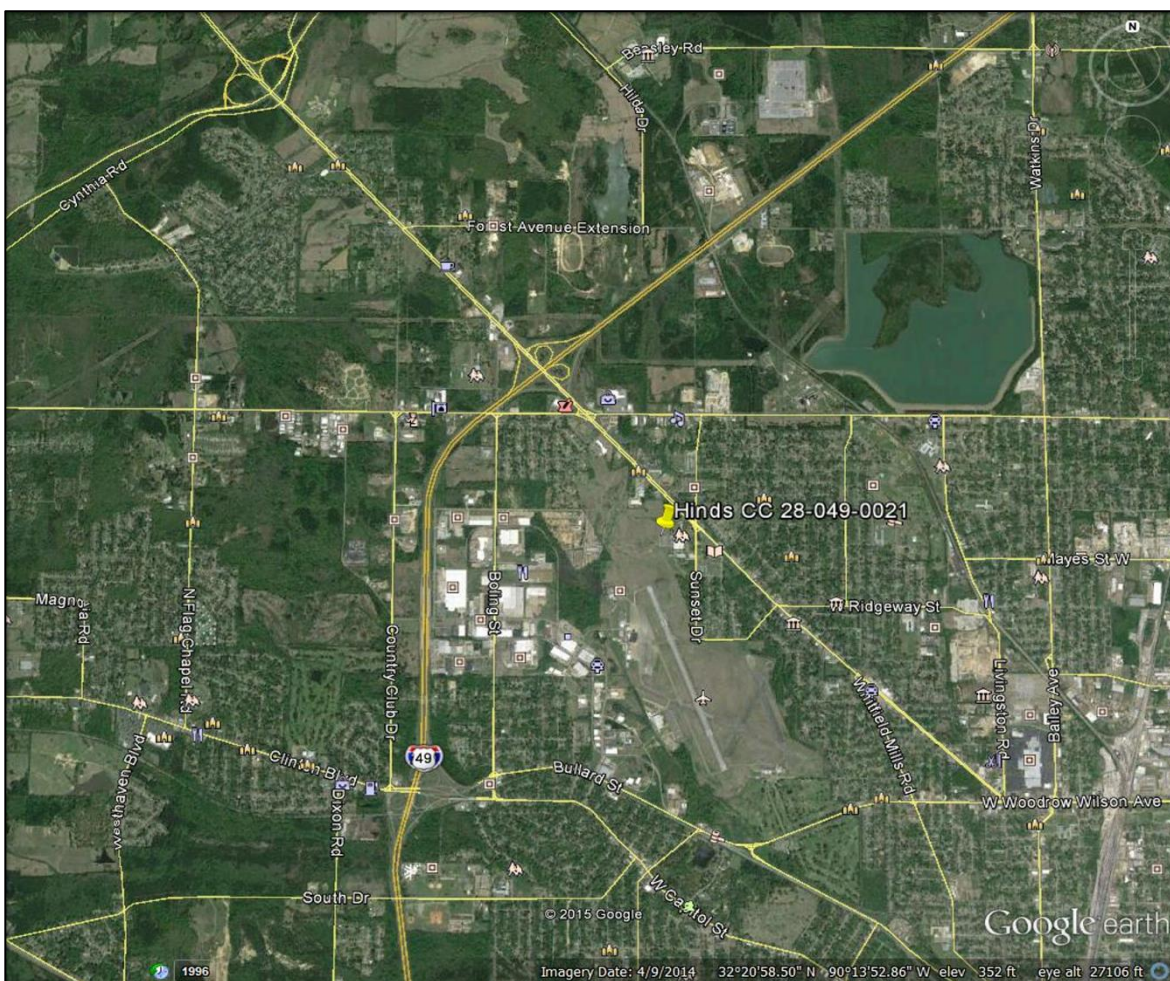
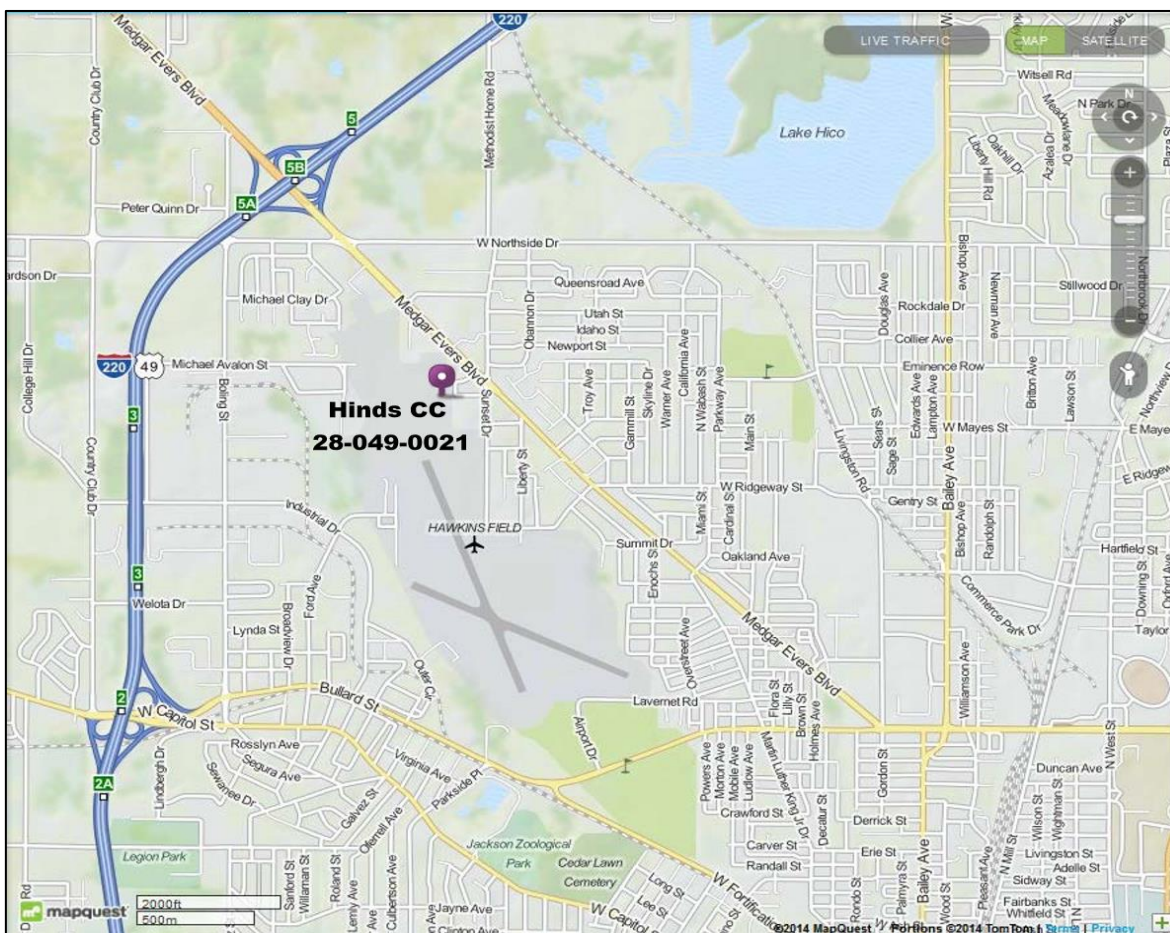
Hinds-East (2024)



Hinds-West (2024)



Hinds-049-0021 (2024)



# GULFPORT



Gulfport-North (2024)



Gulfport-South (2024)



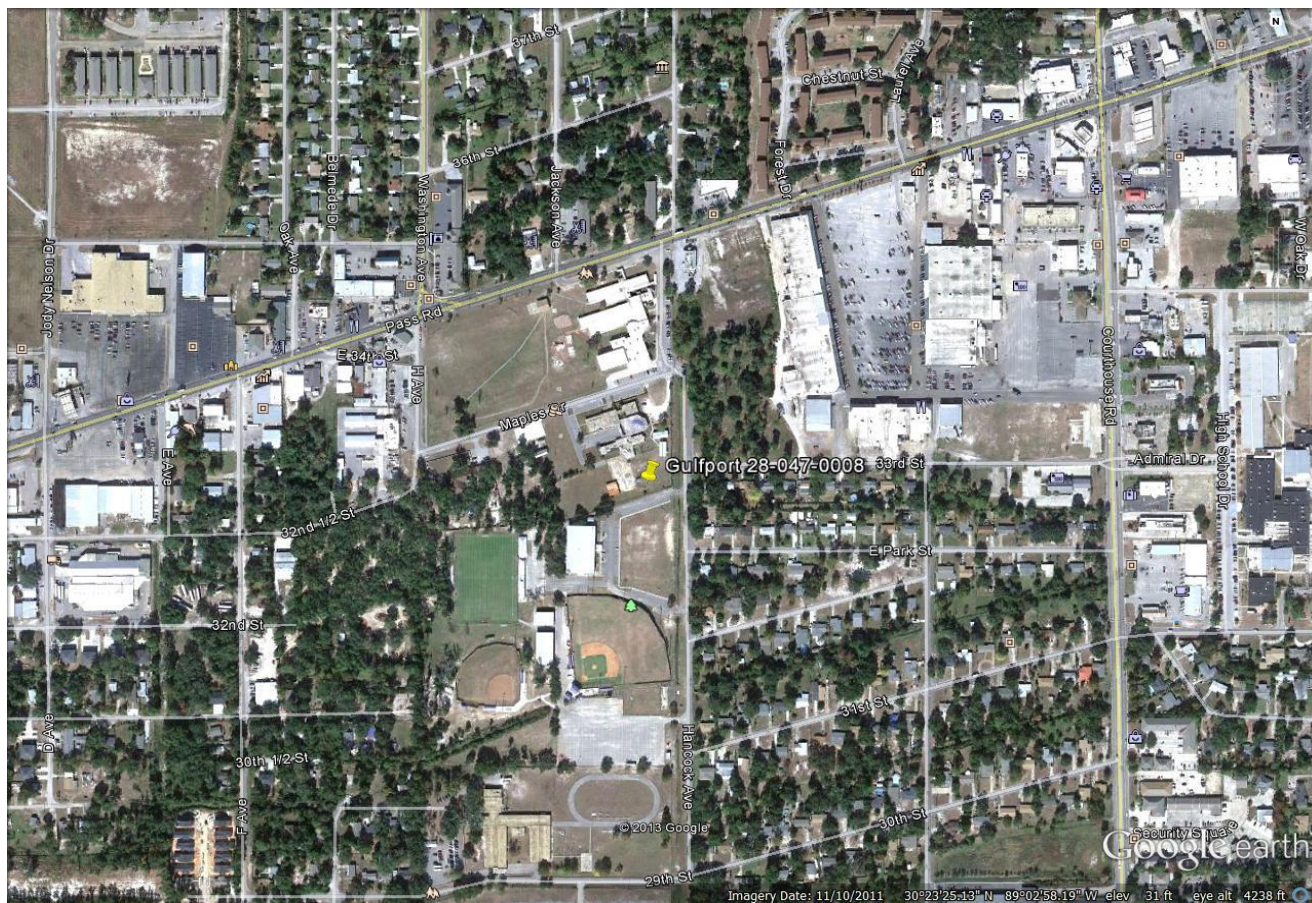
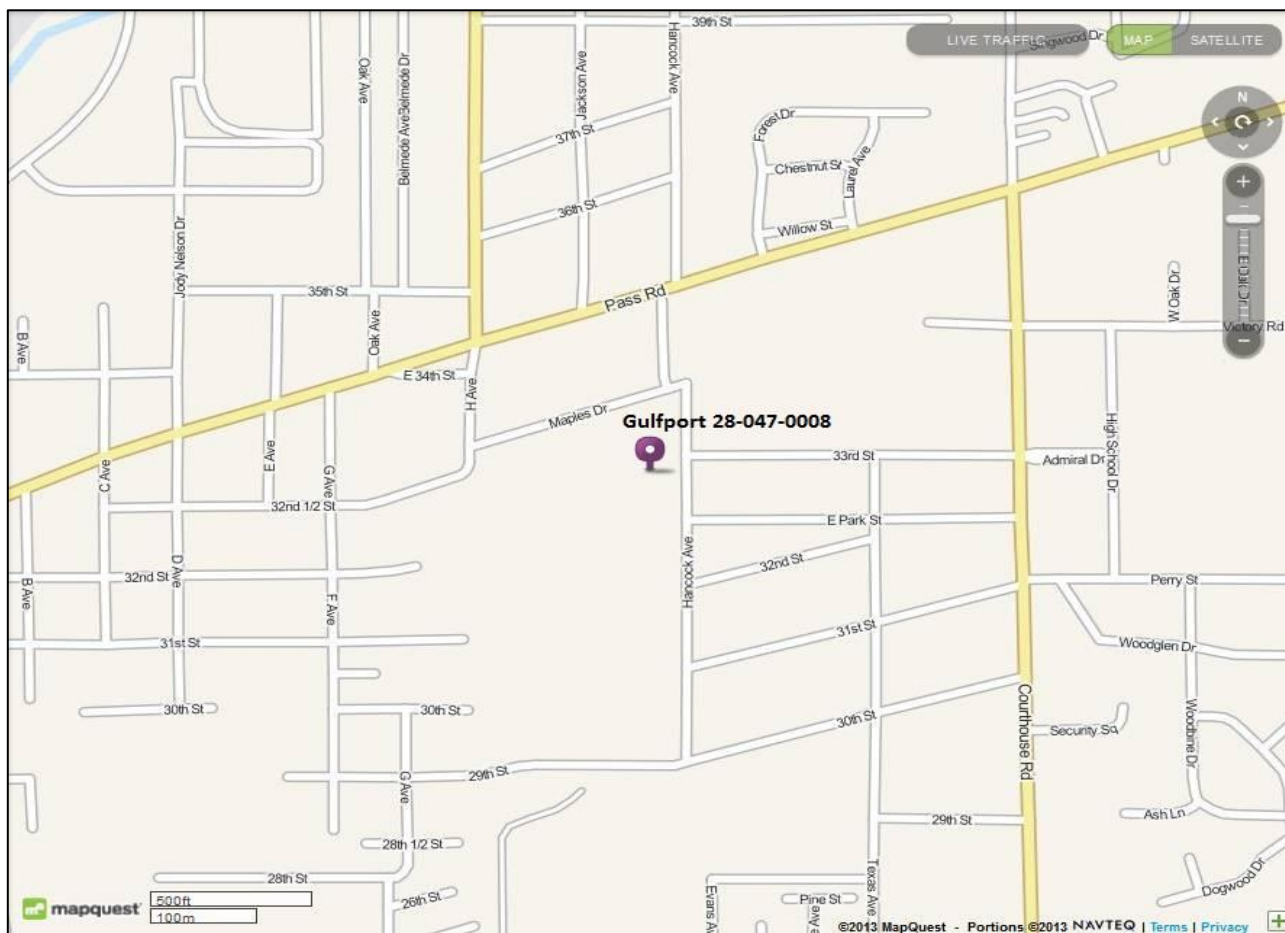
Gulfport-East (2024)



Gulfport-West (2024)



Gulfport-28-047-0008 (2024)



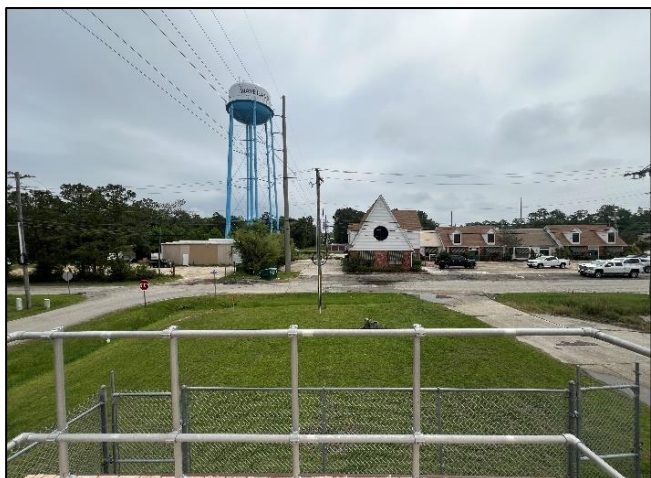
## WAVELAND



Waveland-North (2024)



Waveland-South (2024)



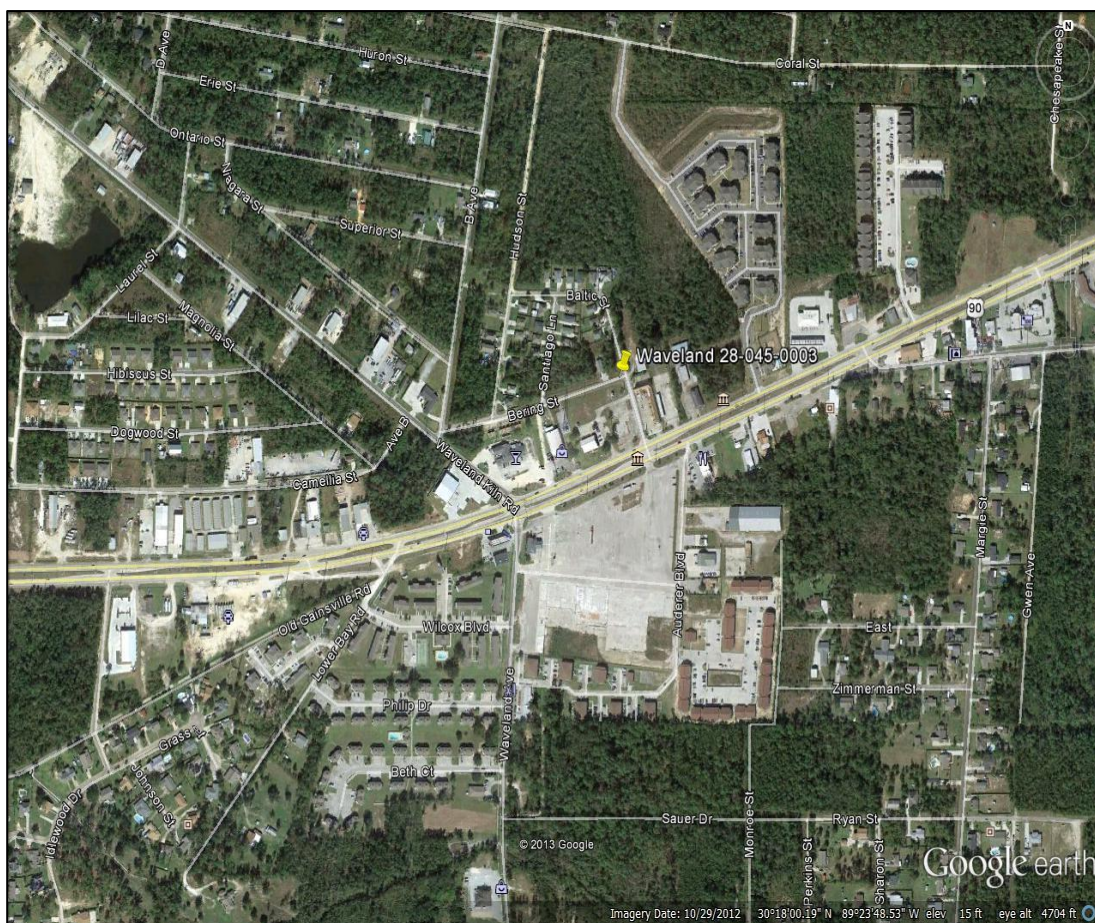
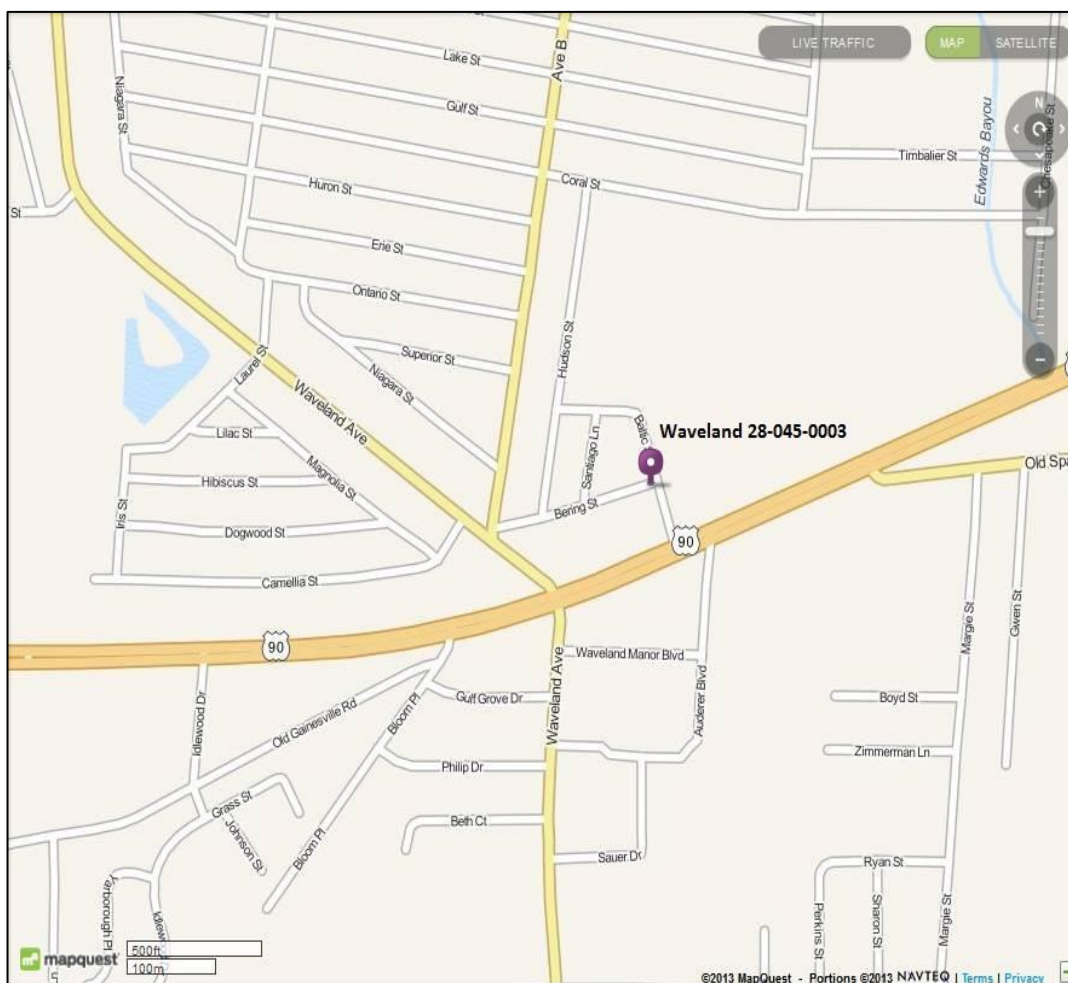
Waveland-East (2024)



Waveland-West (2024)



Waveland-28-045-0003 (2024)



# PASCAGOULA



Pascagoula-North (2024)



Pascagoula-South (2024)



Pascagoula-East (2024)

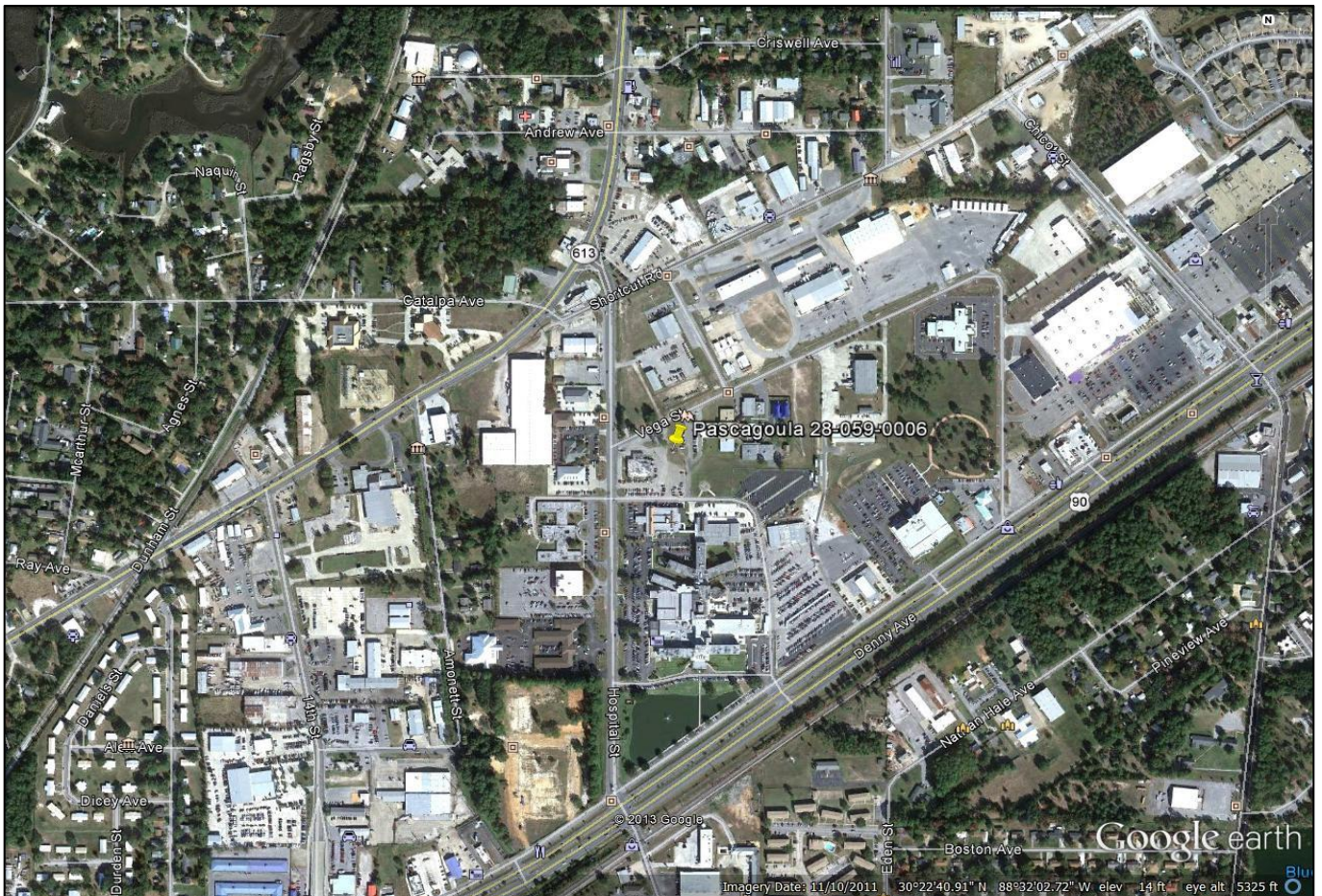
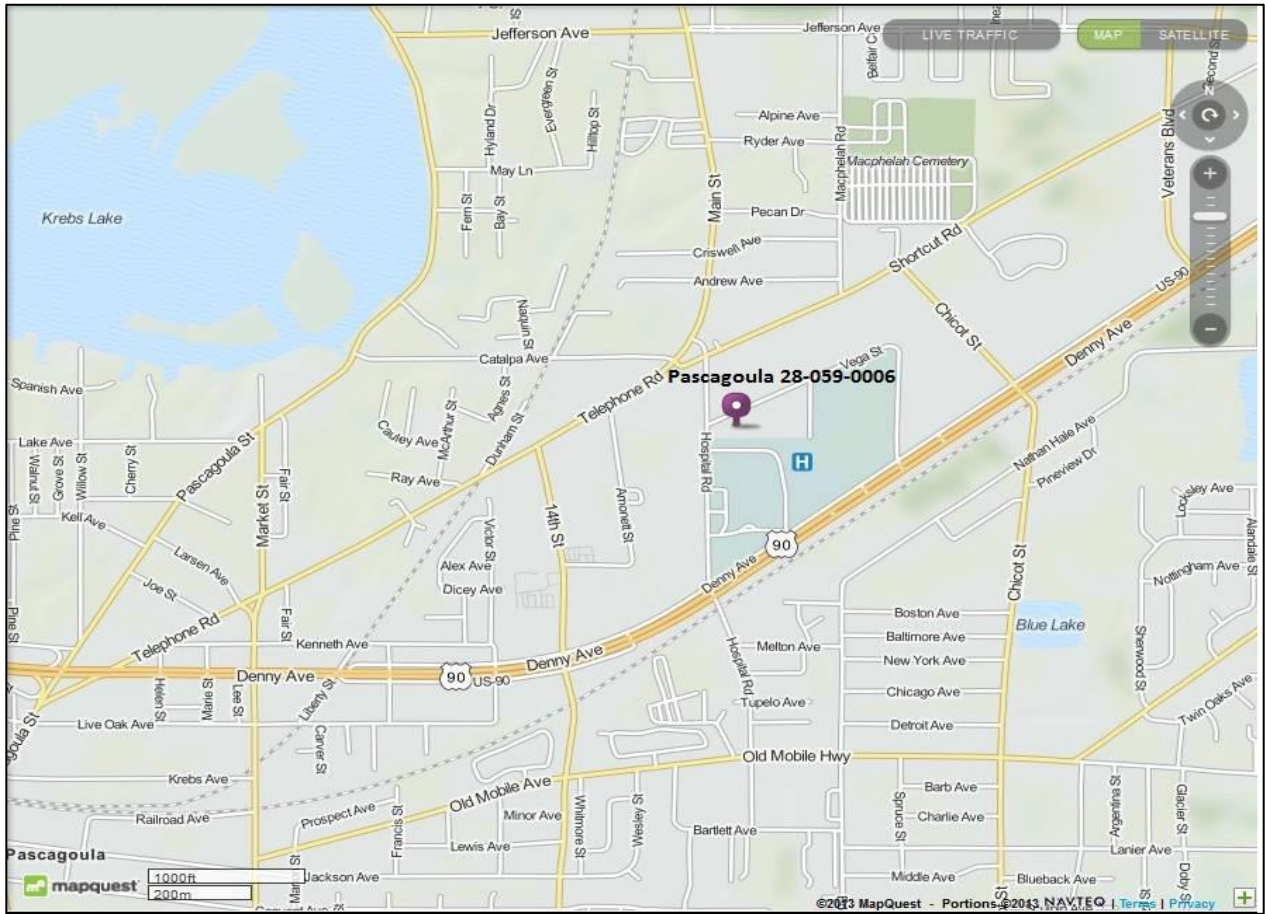


Pascagoula-West (2024)



Pascagoula-28-059-0006 (2024)





# HATTIESBURG



Hattiesburg-North (2024)



Hattiesburg-South (2024)



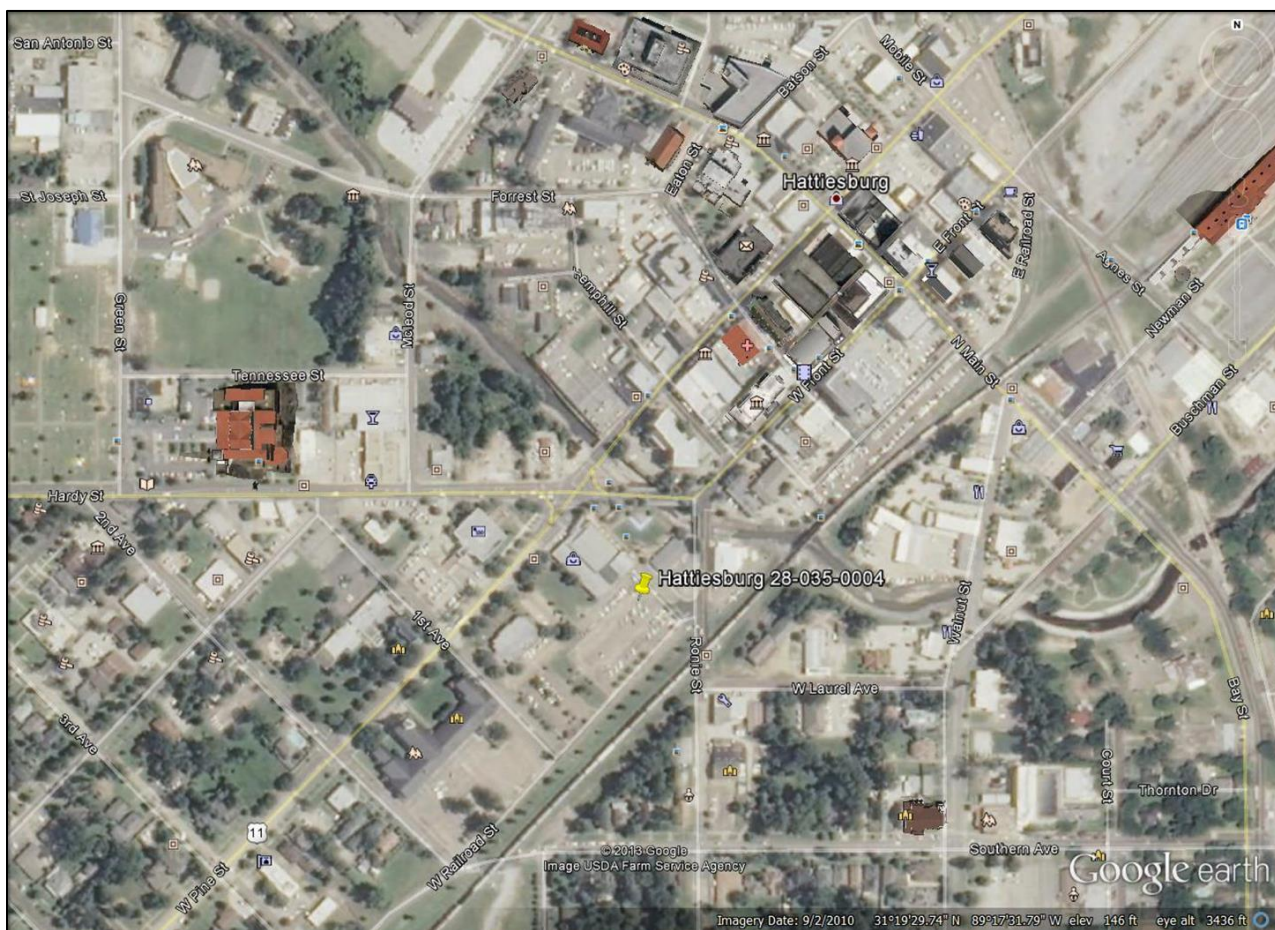
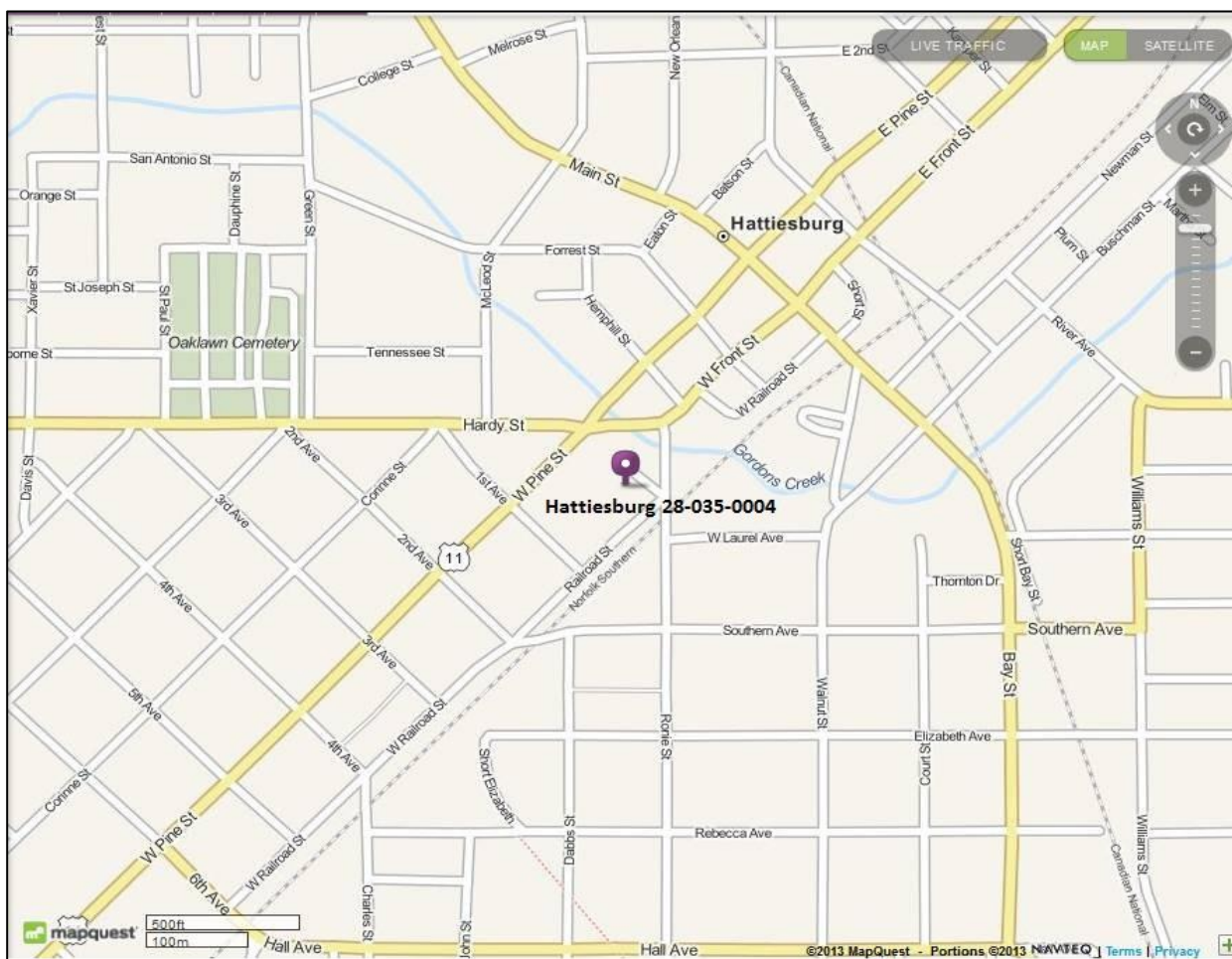
Hattiesburg-East (2024)



Hattiesburg-West (2024)



Hattiesburg-28-035-0004 (2024)



# PASCAGOULA (CHEROKEE)



Pascagoula Cherokee-North (2024)



Pascagoula Cherokee-South (2024)



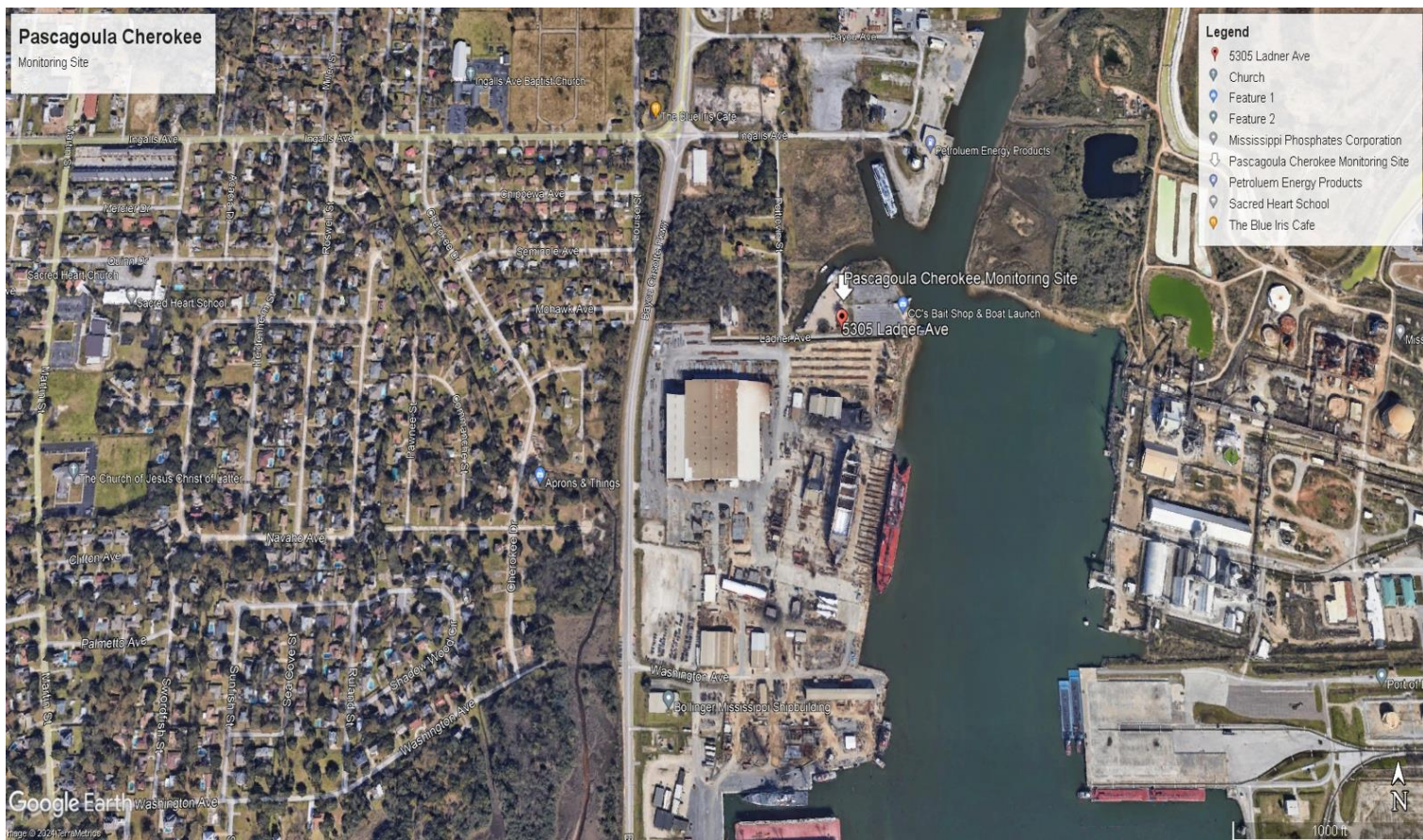
Pascagoula Cherokee-East (2024)



Pascagoula Cherokee-West (2024)



Pascagoula Cherokee-28-059-0007 (2024)



## 10.0 US Census Information

Annual Estimates of the Resident Population for Metropolitan Statistical Areas in the United States and Puerto Rico:			
Geographic Area	April 1, 2020 Estimates Base	Population Estimate (as of July 1)	
		2020	2021
<b>United States</b>	<b>331,449,281</b>	<b>331,501,080</b>	<b>331,893,745</b>
Gulfport-Biloxi, MS Metro Area	416,259	416,312	418,082
Hattiesburg, MS Metro Area	172,231	172,287	173,078
Jackson, MS Metro Area	591,978	590,626	587,202
Memphis, TN-MS-AR Metro Area	1,337,779	1,337,311	1,336,103

Note: The estimates are developed from a base that incorporates the 2020 Census, Vintage 2020 estimates, and (for the U.S. only) 2020 Demographic Analysis estimates. For population estimates methodology statements, see <http://www.census.gov/programs-surveys/popest/technical-documentation/methodology.html>. The estimates feature geographic boundaries from the Vintage 2020 estimates series; the geographic boundaries for these 2021 population estimates are as of January 1, 2020. The Office of Management and Budget's statistical area delineations for metropolitan, micropolitan, and combined statistical areas, as well as metropolitan divisions, are those issued by that agency in March 2020.

**Suggested Citation:**

Annual Estimates of the Resident Population for Metropolitan Statistical Areas in the United States and Puerto Rico: April 1, 2020 to July 1, 2021 (CBSA-MET-EST2021-POP)

Source: U.S. Census Bureau, Population Division

Release Date: March 2022

## 11.0 Regional Monitoring Agreement



LEE HARRIS  
MAYOR

### SHELBY COUNTY HEALTH DEPARTMENT



Public Health  
Prevent. Promote. Protect.  
Shelby County Health Department  
MICHELLE A. TAYLOR, MD DRPH, MPA  
HEALTH DIRECTOR & OFFICER

May 9, 2024

Ms. Michelle Walker Owenby, Air Director  
Tennessee Department of Environment and Conservation Air Pollution Control Division  
Davy Crockett Tower  
500 James Robertson Parkway, 7th Floor  
Nashville, Tennessee 37243

Mr. Jaricus Whitlock, P.E., Chief, Air Division  
Mississippi Department of Environmental Quality  
Office of Pollution Control  
P.O. Box 2261  
Jackson, Mississippi 39225

Demetria Kimbrough, Associate Director, Office of Air Quality  
Division of Environmental Quality  
Arkansas Department of Energy and Environment  
5301 Northshore Drive  
North Little Rock, AR 72118

Dear All,

In accordance with the provisions of the Memorandum of Agreement (MOA) signed in May and June of between the Shelby County Health Department (SCHD), Mississippi Department of Environmental Quality (MDEQ), and the Arkansas Department of Energy and Environment-Division of Environmental Quality (DEQ), this letter serves as a notification that each respective agency in the MOA have been contacted by the SCHD. Although no changes have occurred, there are a few planned changes later in the year (see chart below) within the SCHD and DEQ portions of the network. With this MOA, all agencies are meeting EPA monitoring requirements.

If you have any questions, please call me at (901) 222-9193.

Sincerely,

Kasia Smith Alexander  
Bureau Director, Environmental Health and Sustainability Bureau  
Shelby County Health Department

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Mission

*To promote, protect and improve the health of ALL in Shelby County.*

814 Jefferson Avenue ♦ Memphis, TN 38105 ♦ 901 222-9000 ♦ [www.shelbytnhealth.com](http://www.shelbytnhealth.com)

**MEMORANDUM OF AGREEMENT  
ON AIR QUALITY MONITORING FOR CRITERIA  
POLLUTANTS FOR  
THE MEMPHIS, TN- MS- AR  
METROPOLITAN STATISTICAL AREA (MSA)**

Participating Agencies:

Shelby County Health Department (SCHD)  
Air Pollution Control Program

Mississippi Department of Environmental Quality (MDEQ)  
Office of Pollution Control, Air Division

Arkansas Department of Energy and Environment  
Division of Environmental Quality (DEQ)

**PURPOSE / OBJECTIVE / GOALS**

The purpose of this Memorandum of Agreement (MOA) is to inform the entities of the Memphis, Tennessee-Mississippi-Arkansas Metropolitan Statistical Area of monitoring network changes. The MOA between SCHD, MDEQ, and DEQ is to collectively meet United States Environmental Protection Agency (EPA) minimum monitoring requirements for particles of an aerodynamic diameter of 10 micrometers and less (PM<sub>2.5</sub>), and ozone; as well as other criteria pollutants air quality monitoring deemed necessary to meet the needs of the MSA as determined reasonable by all parties. This MOA will formalize and reaffirm the collective agreement in order to provide adequate criteria pollutant monitoring for the Memphis, TN-MS-AR MSA as required by 40 CFR 58 Appendix D, Section 2, (e).



PM<sub>2.5</sub> MSA monitoring network include:

<u>County</u>	<u>Federal Referenced Method PM<sub>2.5</sub></u>	<u>Federal Equivalent Method PM<sub>2.5</sub></u>	<u>Continuous PM<sub>2.5</sub></u>	<u>Speciation PM<sub>2.5</sub></u>	<u>Collocated PM<sub>2.5</sub></u>
Shelby County, TN SCHD	4 (includes 2 at Alabama, 1 at NCore, and 1 at the Near Road station*)	3*		1	2
Crittenden County, AR DEQ	1	1**	1		
DeSoto County, MS MDEQ		1			

\*The SCHD plans to replace two FRM PM<sub>2.5</sub> samplers with a T640x at Alabama Ave, later this year. Plans also include adding a T640x at Near Rd site.

\*\*The DEQ has added a T640 at the Marion, AR site.

Criteria Air Pollutant MSA monitoring network include:

<u>County</u>	<u>PM<sub>10</sub></u>	<u>PM<sub>10-2.5</sub></u>	<u>O<sub>3</sub></u>	<u>NO<sub>2</sub>/NO<sub>y</sub>/NO/NO<sub>2</sub></u>	<u>CO</u>	<u>SO<sub>2</sub></u>
Shelby County, TN SCHD	4 (1 TEOM at Alabama Ave., 3-T640x at NCore, Near Rd., & Alabama Ave****)	1	3	3 (includes 1 NO/NO <sub>2</sub> /NO <sub>x</sub> at Near Road Station, 1 NO/NO <sub>y</sub> (trace) at NCore/, 1 True NO <sub>2</sub> (trace) at NCore-PAMS)	2 (includes 1 trace at NCore and 1 at the Near Road Station)	1 (trace at NCore)
Crittenden County, AR DEQ			1	1		
DeSoto County, MS MDEQ			1			

\*\*\*\*The SCHD plans to replace the continuous PM<sub>10</sub> TEOM with a T640x at Alabama Ave, and add PM<sub>10</sub> at the Near Rd. site with a new T640x later this year. After the replacement, there will be three PM<sub>10</sub> samplers (all T640x), two FRM PM<sub>2.5</sub> samplers, and three FEM PM<sub>2.5</sub> (same T640x) samplers operating in Shelby County.

### **RESPONSIBILITIES / ACTIONS**

Each of the parties to this Agreement is responsible for ensuring that its obligations under the MOA are met. As conditions warrant, the affected agencies may conduct telephone conference calls, meetings, or other communications to discuss monitoring activities for the MSA. Each affected agency shall inform the other affected agencies via telephone or email of any monitoring changes occurring within its jurisdiction of the MSA at its earliest convenience, after learning of the need for the change or making the changes. Such unforeseen changes may include evictions from monitoring sites, destruction of monitoring sites due to natural disasters, or any occurrences that result in an extended (greater than one quarter) or permanent change in the monitoring network.

### **LIMITATIONS**

- All commitments made in this MOA are subject to the availability of appropriated funds and each agency's budget priorities. Nothing in this MOA obligates SCHD, MDEQ, or DEQ to expend appropriations or to enter into any contract, assistance agreement, interagency agreement or other financial obligation.
- This MOA is neither a fiscal nor a funds obligation document. Any endeavor involving reimbursement or contribution of funds between parties to this agreement will be handled in accordance with applicable laws, regulations, and procedures, and will be subject to separate agreements that will be affected in writing by representatives of the parties.
- This MOA does not create any right or benefit enforceable by law or equity against SCHD, MDEQ, or DEQ, their officers or employees, or any other person. This MOA does not apply to any entity outside SCHD, MDEQ, or DEQ.
- No proprietary information or intellectual property is anticipated to arise out of this MOA.

### **TERMINATION**

This Memorandum of Agreement may be revised upon the mutual consent of SCHD, MDEQ and DEQ. Each party reserves the right to terminate this MOA. A thirty (30) day written notice must be given prior to the date of termination.

## 12.0 Appendix: A (Siting Criteria and Residence Time Summary)

### 2024 Siting Criteria and Residence Time Summary

AQS #	Site Name:	Parameter	Probe Tubing and Fittings	Probe Rain Shield Material	Height of Probe from ground to Inlet (meters)	Residence Time Seconds	Nearest Road/ Meters	Obstructions < 10 Meters	Tree Drip Line < 10 Meters	270 Degrees Unrestricted Airflow (yes/no)
28-011-0002	Cleveland	Ozone	Teflon	Stainless	4.5 m	4.47s	Shumate Circle / 63.2 m	No	No	Yes
28-011-0002	Cleveland	PM	N/A	N/A	4.2 m	N/A	Shumate Circle / 62.2 m	No	No	Yes
28-033-0002	Hernando	Ozone	Teflon	Stainless	4.5 m	4.58 s	Vaiden Dr / 72.5 m	No	No	Yes
28-033-0002	Hernando	PM	N/A	N/A	4.2 m	N/A	Vaiden Dr / 71.5 m	No	No	Yes
28-045-0003	Waveland	Ozone	Teflon	Stainless	5.0 m	4.26 s	Bering St / 16.92 m	No	No	Yes
28-045-0003	Waveland	PM	N/A	N/A	4.75 m	N/A	Bering St / 14.5 m	No	No	Yes
28-047-0008	Gulfport YC	Ozone	Teflon	Stainless	4.10 m	4.28 s	Hancock AVE / 45 m	No	No	Yes
28-047-0008	Gulfport YC	PM	N/A	N/A	4.00 m	N/A	Hancock AVE / 45 m	No	No	Yes
28-049-0021	Hinds CC	Ozone	Teflon	Stainless	4.5 m	4.57 s	Medgar Evers Dr / > 300 m	No	No	Yes
28-049-0021	Hinds CC	PM	N/A	N/A	4.0 m	N/A	Medgar Evers Dr / > 300 m	No	No	Yes
28-075-0003	Meridian	Ozone	Teflon	Stainless	4.5 m	4.60 s	53rd Ave / 22 m	No	No	Yes
28-035-0004	Hattiesburg	PM	N/A	N/A	3.5 m	N/A	Ronie St. / 13.72 m	No	No	Yes
28-081-0005	Tupelo	Ozone	Teflon	Stainless	4.35 m	3.69 s	W. Jackson St / 4.63 m	No	No	Yes
28-049-0020	NCORE	Ozone	Teflon	Stainless	4.5 m	5.18 s	N. West St./ 42 m	No	No	Yes
28-049-0020	NCORE	SO2	Teflon	Stainless	4.5 m	6.26 s	N. West St./ 42 m	No	No	Yes
28-049-0020	NCORE	CO	Teflon	Stainless	4.5 m	2.57 s	N. West St./ 42 m	No	No	Yes
28-049-0020	NCORE	PM	N/A	N/A	4.0 m	N/A	N. West St./ 42 m	No	No	Yes
28-059-0006	Pascagoula	Ozone	Teflon	Stainless	4.57 m	3.86 s	LT Eugene J Majure Dr./ 12.95 m	No	No	Yes
28-059-0006	Pascagoula	SO2	Teflon	Stainless	4.57 m	5.71 s	LT Eugene J Majure Dr./ 12.95 m	No	No	Yes
28-059-0006	Pascagoula	NOx	Teflon	Stainless	4.57 m	7.40 s	LT Eugene J Majure Dr./ 12.95 m	No	No	Yes
28-059-0006	Pascagoula	PM	N/A	N/A	4.42 m	N/A	LT Eugene J Majure Dr./ 12.95 m	No	No	Yes
28-059-0007	Pascagoula	*TRS	Teflon	Stainless	4.55m	5.59 s	Poitevin St/ 383.89 m	No	No	Yes
28-059-0007	Pascagoula	PM10	N/A	N/A	4.25 m	N/A	Poitevin St/ 383.89 m	No	No	Yes

\*TRS - Total Reduced Sulfur

## **13.0 Appendix: B (EJScreen Community Reports)**

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Cleveland, MS

3 miles Ring Centered at 33.747633,-90.735637

Population: 16,183

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	98%
Spanish	1%
Total Non-English	2%



Low income:  
52 percent



People of color:  
62 percent



Less than high school education:  
17 percent



Limited English households:  
0 percent



Unemployment:  
5 percent



Persons with disabilities:  
19 percent



Male:  
47 percent



Female:  
53 percent

76 years

Average life expectancy

\$29,330

Per capita income

House icon  
Number of households:  
5,868



Owner occupied:  
59 percent

### BREAKDOWN BY RACE



White: 38%



Black: 53%



American Indian:  
0%



Asian: 1%



Hawaiian/Pacific Islander: 0%



Other race: 0%



Two or more races: 5%



Hispanic: 2%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

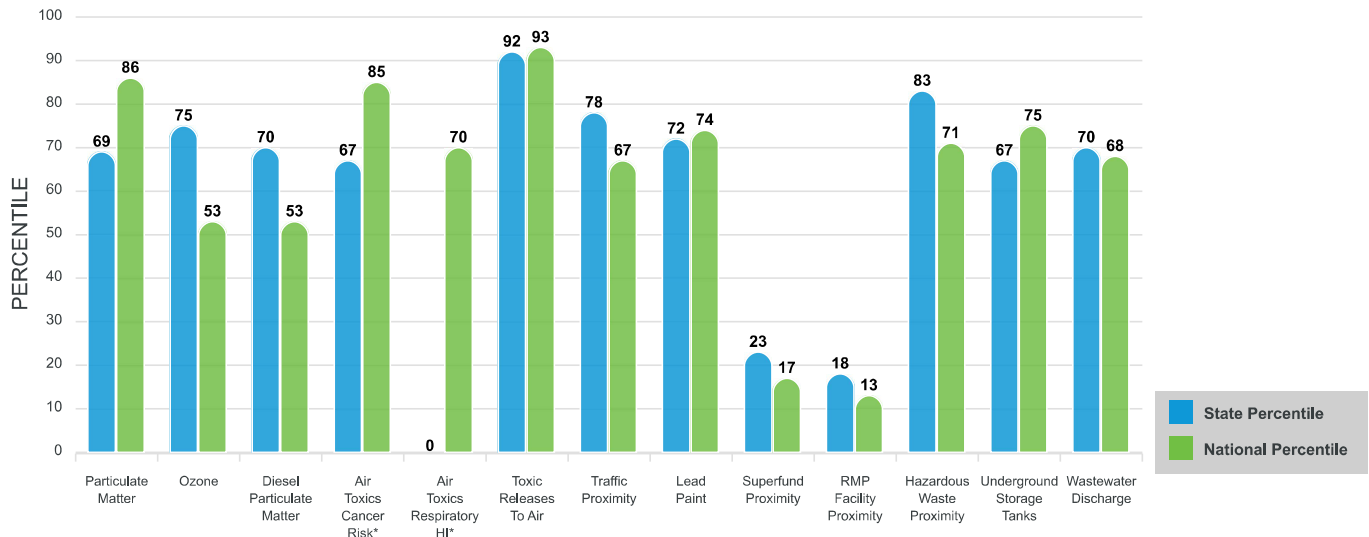
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

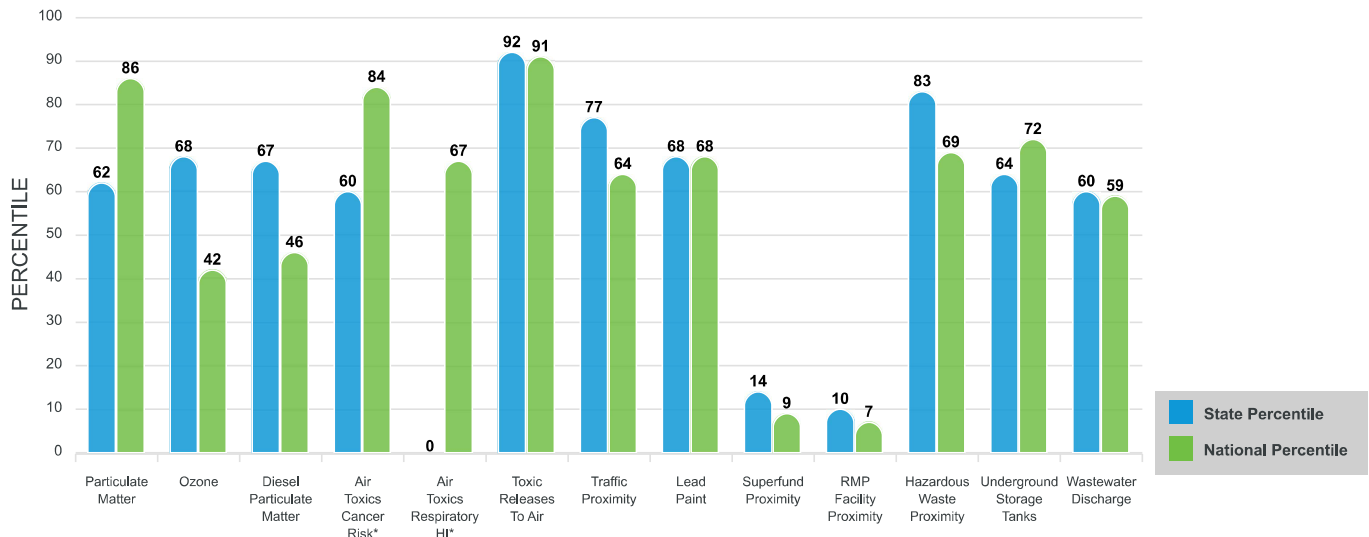
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 33.747633,-90.735637

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	8.97	9	47	8.08	73
Ozone (ppb)	57.9	57.9	55	61.6	23
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.126	0.136	54	0.261	24
Air Toxics Cancer Risk* (lifetime risk per million)	30	30	4	25	52
Air Toxics Respiratory HI*	0.3	0.38	0	0.31	31
Toxic Releases to Air	38,000	2,100	99	4,600	98
Traffic Proximity (daily traffic count/distance to road)	61	44	75	210	44
Lead Paint (% Pre-1960 Housing)	0.22	0.16	73	0.3	50
Superfund Proximity (site count/km distance)	0.012	0.069	13	0.13	6
RMP Facility Proximity (facility count/km distance)	0.029	0.33	9	0.43	4
Hazardous Waste Proximity (facility count/km distance)	0.42	0.31	79	1.9	47
Underground Storage Tanks (count/km <sup>2</sup> )	2.3	2.9	64	3.9	61
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0036	0.023	89	22	59
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	57%	44%	68	35%	80
Supplemental Demographic Index	20%	18%	61	14%	77
People of Color	62%	45%	67	39%	73
Low Income	52%	43%	65	31%	82
Unemployment Rate	5%	7%	54	6%	60
Limited English Speaking Households	1%	1%	86	5%	57
Less Than High School Education	17%	15%	63	12%	76
Under Age 5	7%	6%	62	6%	65
Over Age 64	15%	17%	46	17%	47
Low Life Expectancy	23%	23%	49	20%	80

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	1
Water Dischargers .....	16
Air Pollution .....	2
Brownfields .....	1
Toxic Release Inventory .....	6

### Other community features within defined area:

Schools .....	8
Hospitals .....	1
Places of Worship .....	13

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .  
..... Yes

*Report for 3 miles Ring Centered at 33.747633,-90.735637*



# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	23%	23%	49	20%	80
Heart Disease	7.3	7.3	45	6.1	72
Asthma	11.2	10.2	78	10	82
Cancer	5.6	6.1	25	6.1	37
Persons with Disabilities	18.2%	17.6%	56	13.4%	80

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	8%	15%	29	12%	58
Wildfire Risk	0%	23%	0	14%	0

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	22%	24%	51	14%	78
Lack of Health Insurance	16%	12%	74	9%	86
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 33.747633,-90.735637

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Hernando, MS

3 miles Ring Centered at 34.820969,-89.987992

Population: 18,092

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	96%
Spanish	3%
Total Non-English	4%



Low income:  
23 percent



People of color:  
22 percent



Less than high school education:  
11 percent



Limited English households:  
1 percent



Unemployment:  
3 percent



Persons with disabilities:  
15 percent



Male:  
48 percent



Female:  
52 percent

80 years

Average life expectancy

\$33,769

Per capita income

House icon  
Number of households:  
6,745



Owner occupied:  
82 percent

### BREAKDOWN BY RACE



White: 78%



Black: 15%



American Indian:  
0%



Asian: 1%



Hawaiian/Pacific Islander: 0%



Other race: 0%



Two or more races: 2%



Hispanic: 4%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

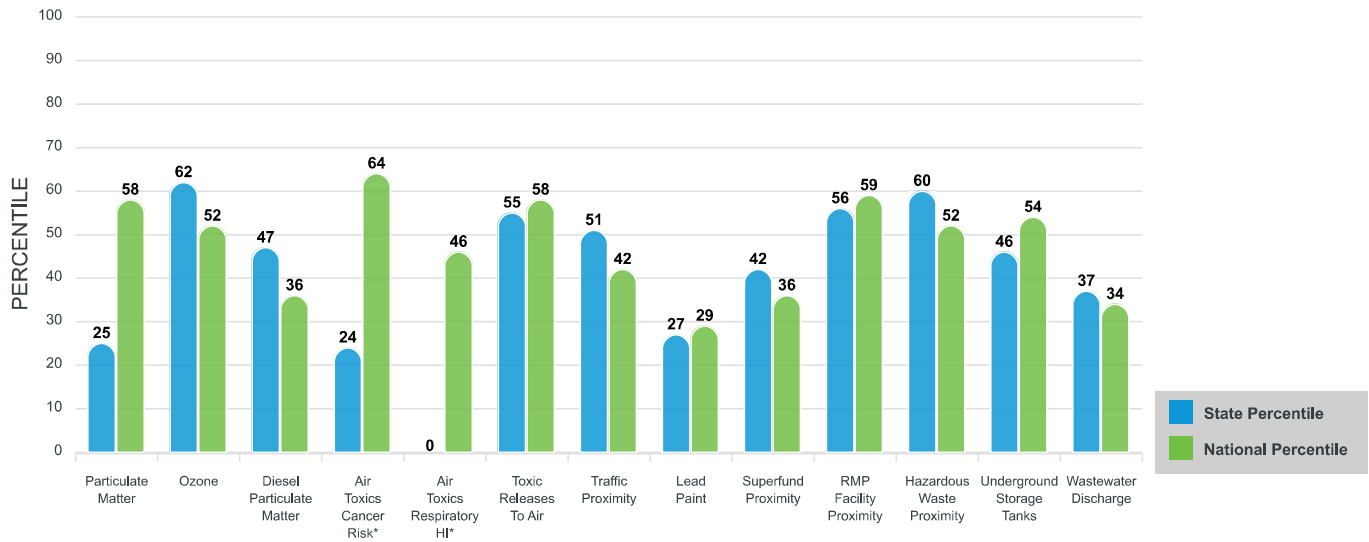
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

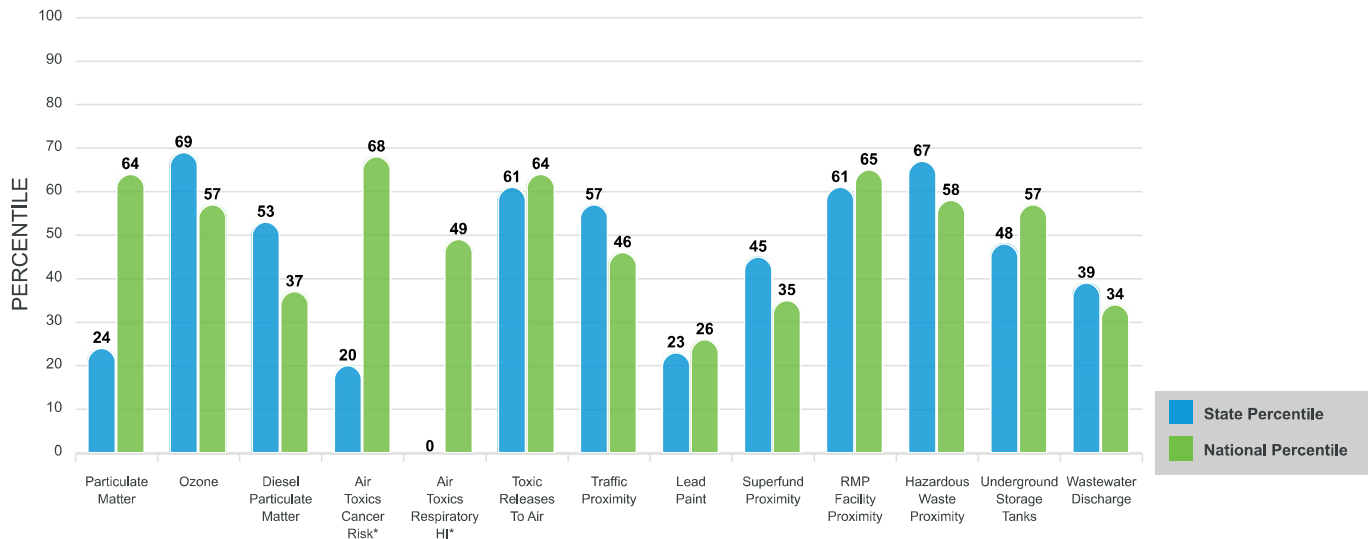
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 34.820969,-89.987992

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	8.82	9	35	8.08	68
Ozone (ppb)	61.8	57.9	96	61.6	56
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.152	0.136	67	0.261	32
Air Toxics Cancer Risk* (lifetime risk per million)	30	30	4	25	52
Air Toxics Respiratory HI*	0.3	0.38	0	0.31	31
Toxic Releases to Air	1,500	2,100	84	4,600	66
Traffic Proximity (daily traffic count/distance to road)	61	44	75	210	44
Lead Paint (% Pre-1960 Housing)	0.035	0.16	24	0.3	23
Superfund Proximity (site count/km distance)	0.034	0.069	57	0.13	31
RMP Facility Proximity (facility count/km distance)	0.46	0.33	80	0.43	75
Hazardous Waste Proximity (facility count/km distance)	0.93	0.31	91	1.9	60
Underground Storage Tanks (count/km <sup>2</sup> )	2.3	2.9	64	3.9	61
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00014	0.023	54	22	33
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	23%	44%	21	35%	38
Supplemental Demographic Index	11%	18%	18	14%	42
People of Color	22%	45%	29	39%	40
Low Income	23%	43%	21	31%	43
Unemployment Rate	3%	7%	39	6%	39
Limited English Speaking Households	1%	1%	87	5%	59
Less Than High School Education	11%	15%	40	12%	61
Under Age 5	7%	6%	68	6%	72
Over Age 64	19%	17%	61	17%	62
Low Life Expectancy	18%	23%	11	20%	41

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	2
Water Dischargers .....	35
Air Pollution .....	8
Brownfields .....	31
Toxic Release Inventory .....	4

### Other community features within defined area:

Schools .....	5
Hospitals .....	0
Places of Worship .....	9

### Other environmental data:

Air Non-attainment .....	Yes
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	No

Selected location contains an EPA IRA disadvantaged community . . . . .

.....

Yes

*Report for 3 miles Ring Centered at 34.820969,-89.987992*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	18%	23%	11	20%	41
Heart Disease	5.6	7.3	15	6.1	41
Asthma	8.9	10.2	9	10	20
Cancer	6.5	6.1	61	6.1	54
Persons with Disabilities	13.1%	17.6%	26	13.4%	54

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	4%	15%	9	12%	34
Wildfire Risk	18%	23%	67	14%	82

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	12%	24%	29	14%	54
Lack of Health Insurance	8%	12%	19	9%	54
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 34.820969,-89.987992

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Tupelo, MS

3 miles Ring Centered at 34.265020,-88.763609

Population: 24,777

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	94%
Spanish	4%
Other Asian and Pacific Island	1%
Total Non-English	6%



Low income:  
27 percent



People of color:  
40 percent



Less than high school education:  
9 percent



Limited English households:  
3 percent



Unemployment:  
5 percent



Persons with disabilities:  
14 percent



Male:  
46 percent



Female:  
54 percent

79 years

Average life expectancy

\$38,994

Per capita income

House icon  
Number of households:  
9,692



Owner occupied:  
67 percent

### BREAKDOWN BY RACE



White: 60%



Black: 31%



American Indian:  
0%



Asian: 1%



Hawaiian/Pacific Islander: 0%



Other race: 1%



Two or more races: 2%



Hispanic: 5%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017 -2021. Life expectancy data comes from the Centers for Disease Control.

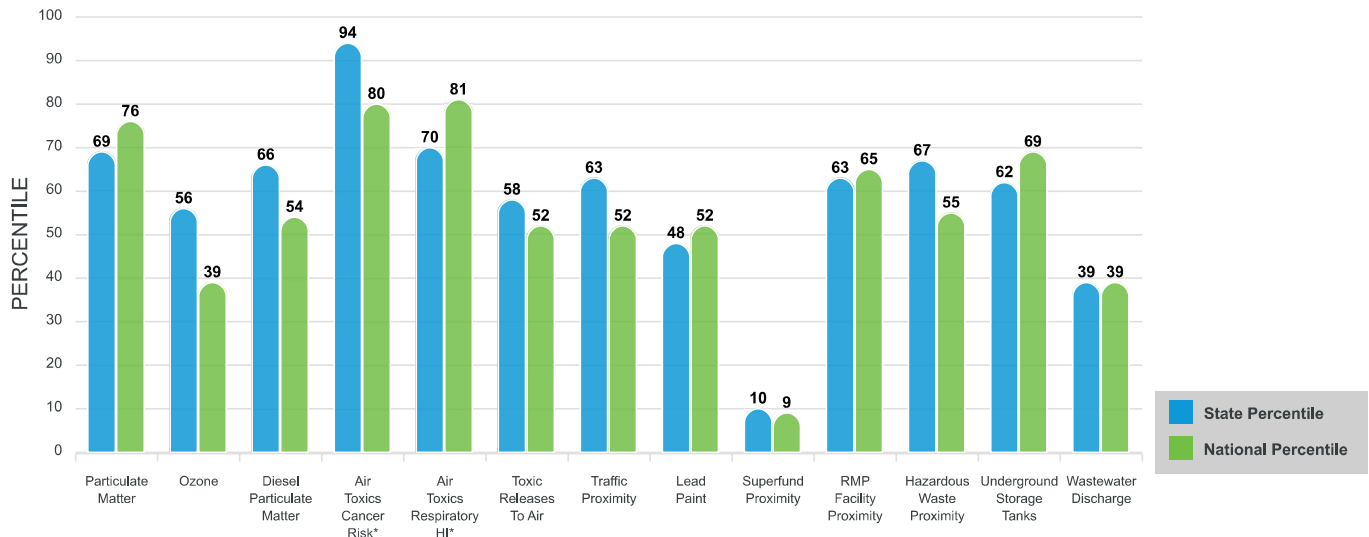
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

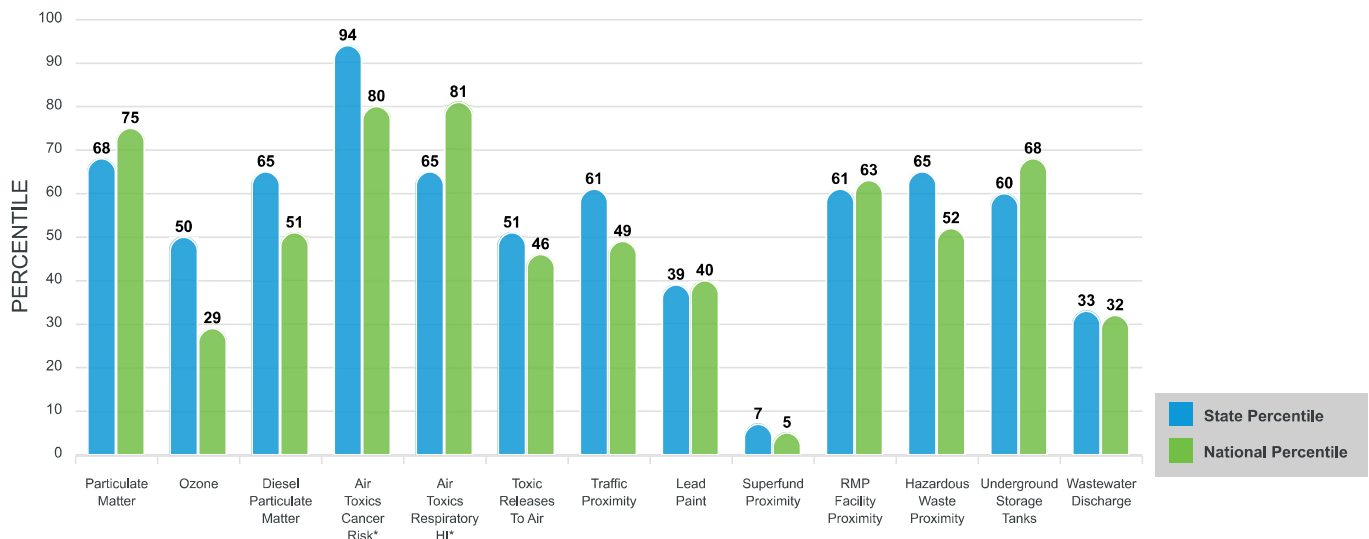
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 34.265020,-88.763609



# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	9.33	9	79	8.08	80
Ozone (ppb)	58	57.9	57	61.6	24
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.177	0.136	76	0.261	39
Air Toxics Cancer Risk* (lifetime risk per million)	35	30	4	25	52
Air Toxics Respiratory HI*	0.42	0.38	31	0.31	70
Toxic Releases to Air	300	2,100	60	4,600	38
Traffic Proximity (daily traffic count/distance to road)	54	44	73	210	42
Lead Paint (% Pre-1960 Housing)	0.12	0.16	50	0.3	38
Superfund Proximity (site count/km distance)	0.011	0.069	8	0.13	5
RMP Facility Proximity (facility count/km distance)	0.31	0.33	74	0.43	68
Hazardous Waste Proximity (facility count/km distance)	0.38	0.31	77	1.9	45
Underground Storage Tanks (count/km <sup>2</sup> )	3.9	2.9	74	3.9	72
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0024	0.023	86	22	56
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	34%	44%	40	35%	57
Supplemental Demographic Index	13%	18%	26	14%	51
People of Color	40%	45%	48	39%	59
Low Income	27%	43%	27	31%	51
Unemployment Rate	5%	7%	53	6%	59
Limited English Speaking Households	3%	1%	90	5%	67
Less Than High School Education	9%	15%	35	12%	56
Under Age 5	7%	6%	63	6%	67
Over Age 64	16%	17%	51	17%	52
Low Life Expectancy	20%	23%	19	20%	54

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	1
Water Dischargers .....	28
Air Pollution .....	9
Brownfields .....	0
Toxic Release Inventory .....	5

### Other community features within defined area:

Schools .....	10
Hospitals .....	0
Places of Worship .....	26

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .

.....

Yes

*Report for 3 miles Ring Centered at 34.265020,-88.763609*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	20%	23%	19	20%	54
Heart Disease	6.6	7.3	30	6.1	62
Asthma	9.7	10.2	39	10	46
Cancer	6.8	6.1	74	6.1	62
Persons with Disabilities	13.8%	17.6%	31	13.4%	58

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	8%	15%	27	12%	57
Wildfire Risk	0%	23%	0	14%	0

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	18%	24%	41	14%	69
Lack of Health Insurance	12%	12%	47	9%	75
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 34.265020,-88.763609

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Meridian, MS

3 miles Ring Centered at 32.365636,-88.731799

Population: 23,465

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	98%
Spanish	1%
Total Non-English	2%



Low income:  
71 percent



People of color:  
81 percent



Less than high school education:  
23 percent



Limited English households:  
1 percent



Unemployment:  
9 percent



Persons with disabilities:  
22 percent



Male:  
45 percent



Female:  
55 percent

74 years

Average life expectancy

\$20,083

Per capita income

House icon  
Number of households:  
10,221



Owner occupied:  
43 percent

### BREAKDOWN BY RACE



White: 19%



Black: 78%



American Indian:  
0%



Asian: 0%



Hawaiian/Pacific Islander: 0%



Other race: 0%

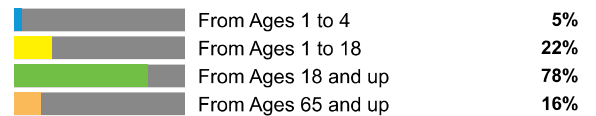


Two or more races: 1%



Hispanic: 2%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

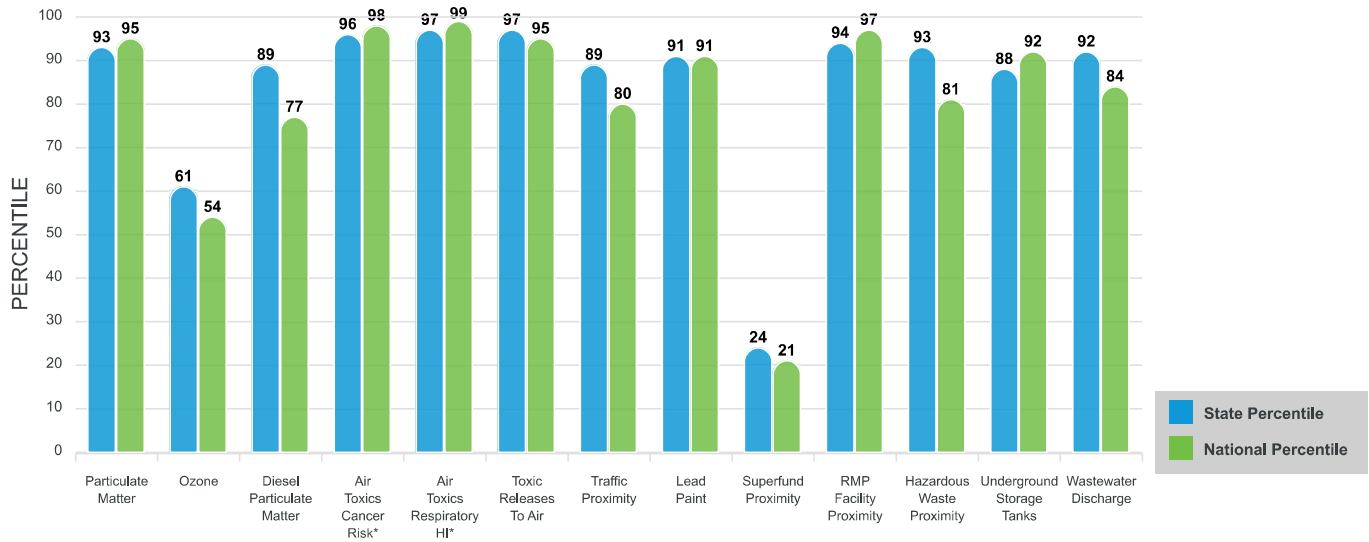
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

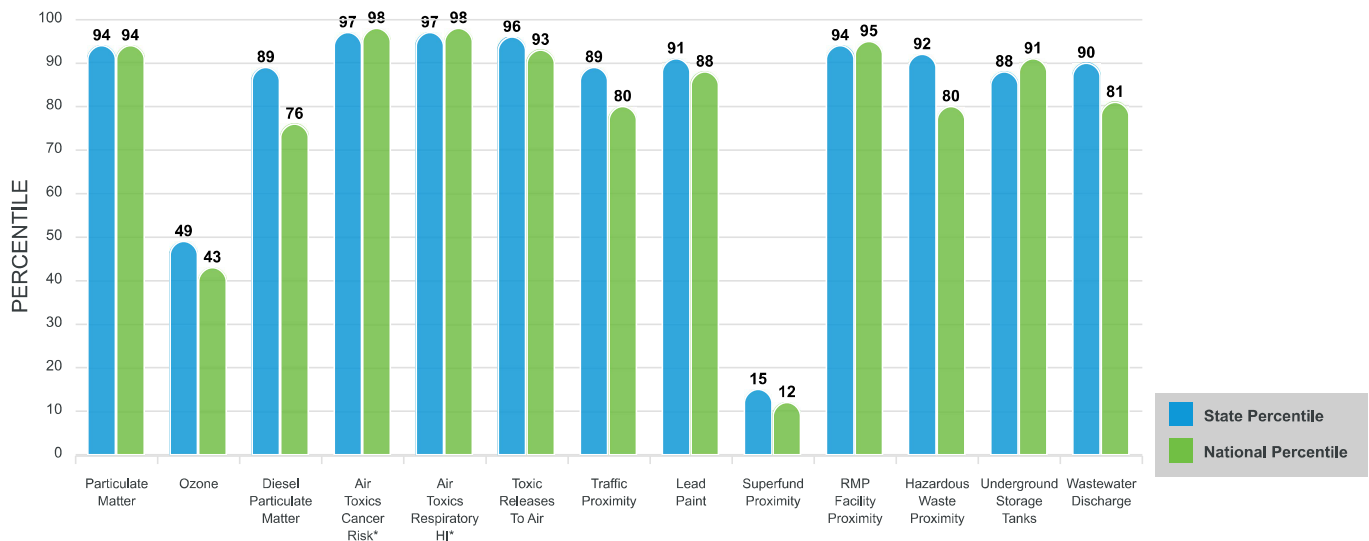
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 32.365636,-88.731799

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	9.39	9	82	8.08	81
Ozone (ppb)	56.9	57.9	28	61.6	18
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.18	0.136	77	0.261	40
Air Toxics Cancer Risk* (lifetime risk per million)	39	30	4	25	52
Air Toxics Respiratory HI*	0.52	0.38	93	0.31	92
Toxic Releases to Air	4,500	2,100	94	4,600	85
Traffic Proximity (daily traffic count/distance to road)	89	44	84	210	53
Lead Paint (% Pre-1960 Housing)	0.39	0.16	89	0.3	66
Superfund Proximity (site count/km distance)	0.011	0.069	10	0.13	5
RMP Facility Proximity (facility count/km distance)	1.1	0.33	92	0.43	89
Hazardous Waste Proximity (facility count/km distance)	0.51	0.31	81	1.9	50
Underground Storage Tanks (count/km <sup>2</sup> )	7.6	2.9	87	3.9	85
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0064	0.023	91	22	64
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	76%	44%	87	35%	93
Supplemental Demographic Index	26%	18%	87	14%	90
People of Color	81%	45%	81	39%	84
Low Income	71%	43%	88	31%	94
Unemployment Rate	9%	7%	71	6%	80
Limited English Speaking Households	1%	1%	86	5%	57
Less Than High School Education	23%	15%	79	12%	85
Under Age 5	5%	6%	51	6%	53
Over Age 64	16%	17%	50	17%	51
Low Life Expectancy	24%	23%	62	20%	86

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	1
Water Dischargers .....	65
Air Pollution .....	31
Brownfields .....	5
Toxic Release Inventory .....	19

### Other community features within defined area:

Schools .....	12
Hospitals .....	5
Places of Worship .....	73

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .

.....

Yes

*Report for 3 miles Ring Centered at 32.365636,-88.731799*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	24%	23%	62	20%	86
Heart Disease	8.2	7.3	70	6.1	86
Asthma	11.7	10.2	85	10	88
Cancer	5.8	6.1	28	6.1	39
Persons with Disabilities	20.6%	17.6%	69	13.4%	87

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	10%	15%	42	12%	66
Wildfire Risk	0%	23%	0	14%	0

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	30%	24%	66	14%	88
Lack of Health Insurance	12%	12%	50	9%	76
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 32.365636,-88.731799



# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Jackson, MS

3 miles Ring Centered at 32.326912,-90.184741

Population: 53,601

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	97%
Spanish	2%
Total Non-English	3%



Low income:  
59 percent



People of color:  
81 percent



Less than high school education:  
18 percent



Limited English households:  
1 percent



Unemployment:  
12 percent



Persons with disabilities:  
16 percent



Male:  
45 percent



Female:  
55 percent

74 years

Average life expectancy

\$21,941

Per capita income

House icon  
Number of households:  
22,207



Owner occupied:  
40 percent

### BREAKDOWN BY RACE



White: 19%



Black: 78%



American Indian:  
0%



Asian: 0%



Hawaiian/Pacific Islander: 0%



Other race: 0%



Two or more races: 1%



Hispanic: 2%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

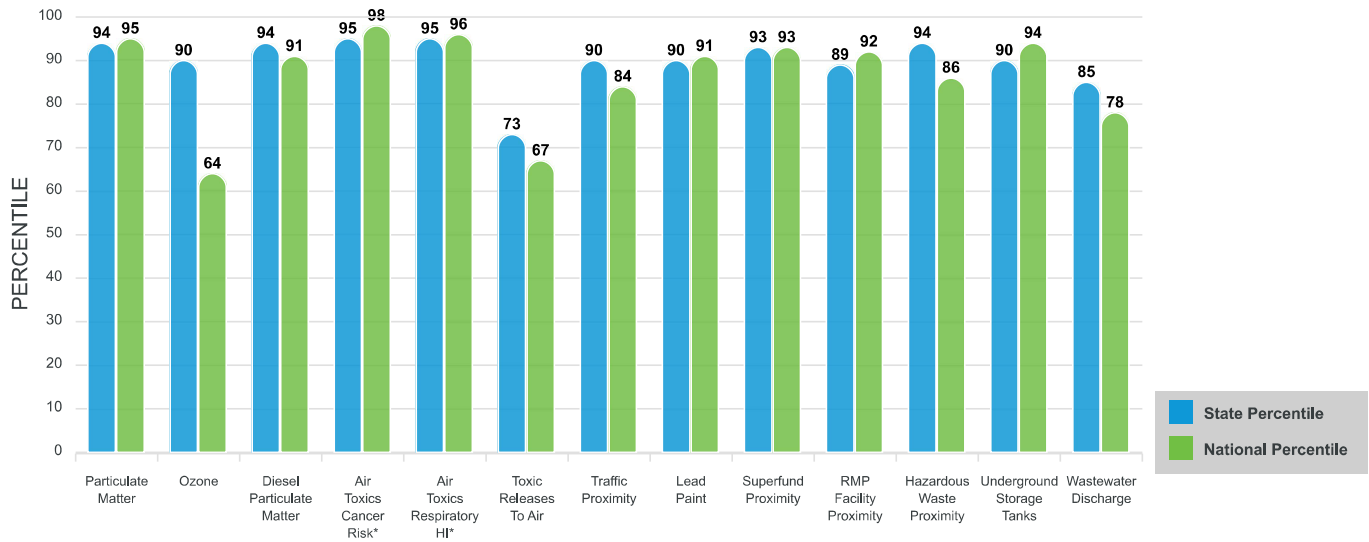
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

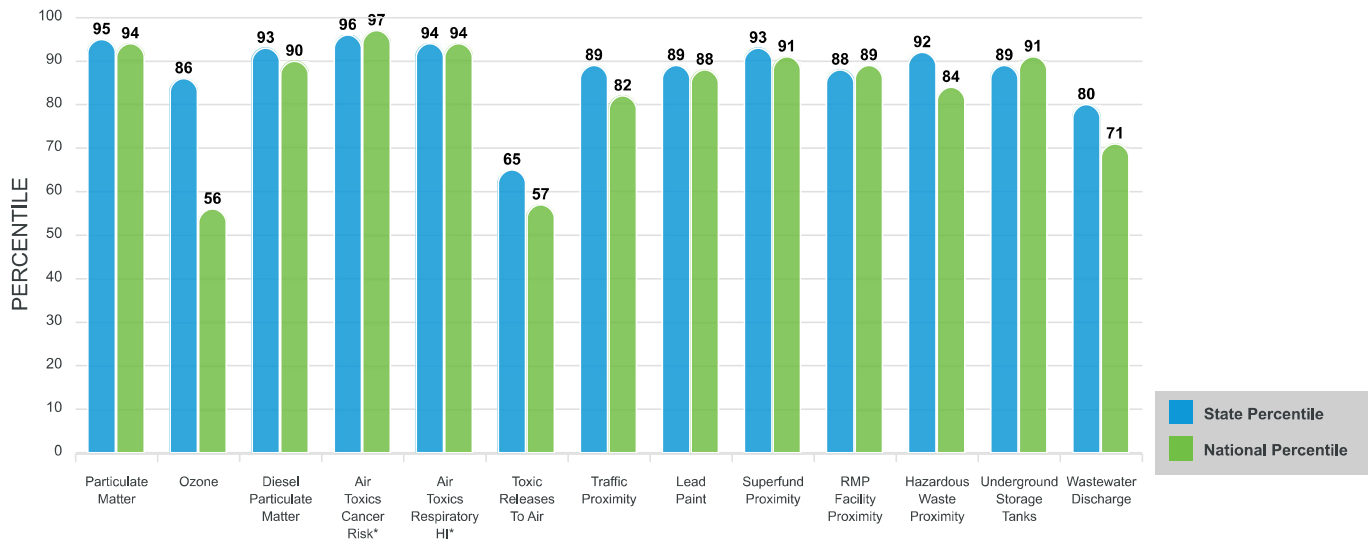
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 32.326912,-90.184741

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	9.91	9	96	8.08	89
Ozone (ppb)	58.4	57.9	71	61.6	27
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.35	0.136	98	0.261	77
Air Toxics Cancer Risk* (lifetime risk per million)	38	30	4	25	52
Air Toxics Respiratory HI*	0.45	0.38	31	0.31	70
Toxic Releases to Air	160	2,100	46	4,600	29
Traffic Proximity (daily traffic count/distance to road)	160	44	93	210	68
Lead Paint (% Pre-1960 Housing)	0.49	0.16	93	0.3	73
Superfund Proximity (site count/km distance)	0.16	0.069	89	0.13	79
RMP Facility Proximity (facility count/km distance)	0.62	0.33	85	0.43	80
Hazardous Waste Proximity (facility count/km distance)	1.3	0.31	95	1.9	65
Underground Storage Tanks (count/km <sup>2</sup> )	9.4	2.9	90	3.9	88
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0014	0.023	82	22	51
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	70%	44%	82	35%	90
Supplemental Demographic Index	23%	18%	76	14%	85
People of Color	81%	45%	81	39%	84
Low Income	59%	43%	74	31%	87
Unemployment Rate	12%	7%	78	6%	86
Limited English Speaking Households	1%	1%	86	5%	57
Less Than High School Education	18%	15%	65	12%	78
Under Age 5	6%	6%	57	6%	59
Over Age 64	15%	17%	48	17%	49
Low Life Expectancy	23%	23%	51	20%	81

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	4
Water Dischargers .....	43
Air Pollution .....	51
Brownfields .....	51
Toxic Release Inventory .....	13

### Other community features within defined area:

Schools .....	27
Hospitals .....	15
Places of Worship .....	127

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .  
..... Yes

*Report for 3 miles Ring Centered at 32.326912,-90.184741*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	23%	23%	51	20%	81
Heart Disease	7	7.3	37	6.1	67
Asthma	11	10.2	72	10	77
Cancer	5.2	6.1	17	6.1	29
Persons with Disabilities	15.2%	17.6%	38	13.4%	66

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	10%	15%	44	12%	67
Wildfire Risk	0%	23%	0	14%	0

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	20%	24%	47	14%	74
Lack of Health Insurance	17%	12%	83	9%	88
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 32.326912,-90.184741

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Jackson, MS

3 miles Ring Centered at 32.345003,-90.223987

Population: 47,981

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	98%
Spanish	1%
Total Non-English	2%



Low income:  
65 percent



People of color:  
95 percent



Less than high school education:  
20 percent



Limited English households:  
0 percent



Unemployment:  
16 percent



Persons with disabilities:  
18 percent



Male:  
45 percent



Female:  
55 percent

73 years

Average life expectancy

\$17,947

Per capita income

House icon  
Number of households:  
19,003



Owner occupied:  
42 percent

### BREAKDOWN BY RACE



White: 5%



Black: 94%



American Indian:  
0%



Asian: 0%



Hawaiian/Pacific Islander: 0%



Other race: 0%



Two or more races: 1%



Hispanic: 1%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

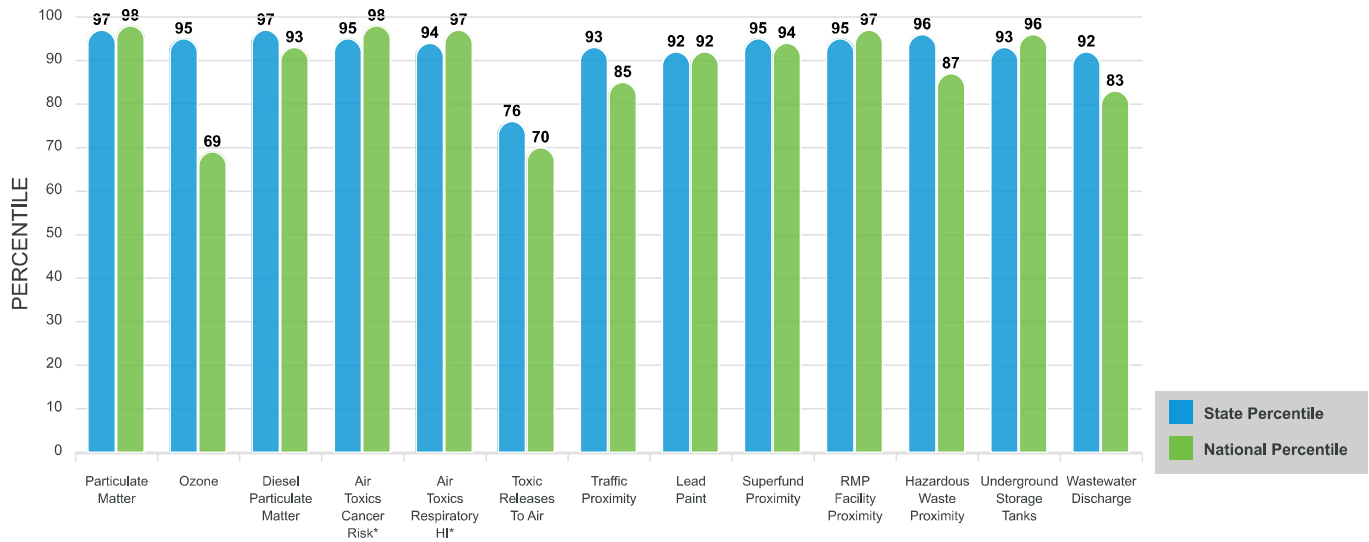
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

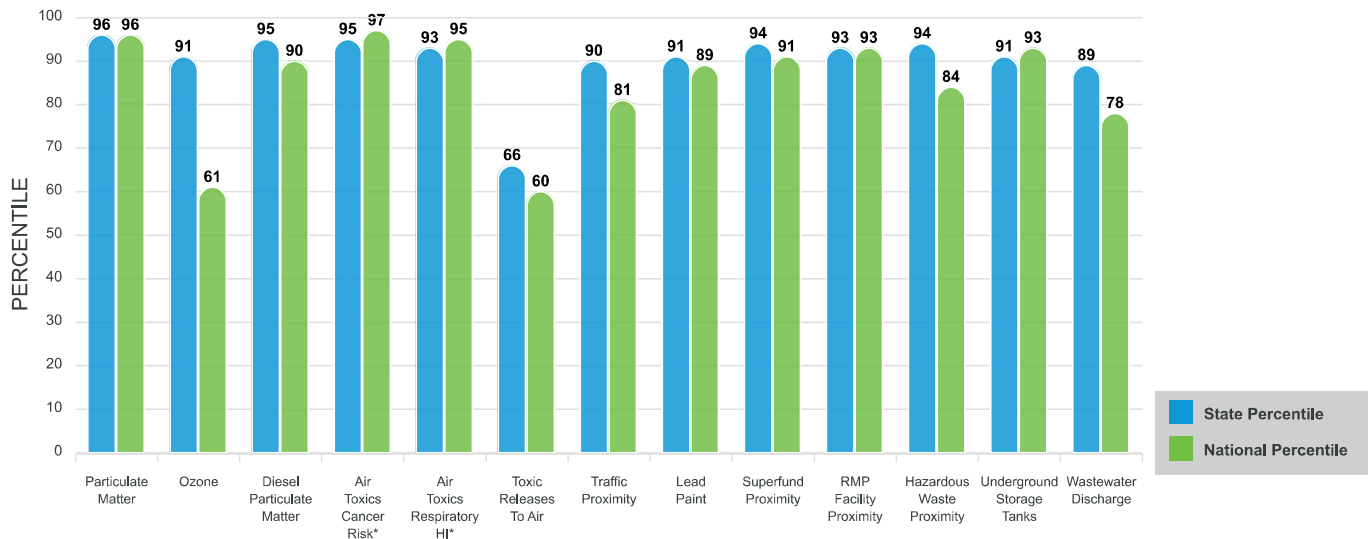
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 32.345003,-90.223987

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	9.86	9	94	8.08	89
Ozone (ppb)	58.4	57.9	73	61.6	27
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.311	0.136	97	0.261	70
Air Toxics Cancer Risk* (lifetime risk per million)	36	30	4	25	52
Air Toxics Respiratory HI*	0.43	0.38	31	0.31	70
Toxic Releases to Air	140	2,100	41	4,600	27
Traffic Proximity (daily traffic count/distance to road)	95	44	86	210	55
Lead Paint (% Pre-1960 Housing)	0.43	0.16	90	0.3	68
Superfund Proximity (site count/km distance)	0.12	0.069	85	0.13	71
RMP Facility Proximity (facility count/km distance)	1	0.33	91	0.43	88
Hazardous Waste Proximity (facility count/km distance)	0.89	0.31	90	1.9	59
Underground Storage Tanks (count/km <sup>2</sup> )	8.2	2.9	88	3.9	86
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0012	0.023	81	22	50
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	80%	44%	91	35%	95
Supplemental Demographic Index	25%	18%	85	14%	89
People of Color	95%	45%	91	39%	92
Low Income	65%	43%	82	31%	91
Unemployment Rate	16%	7%	87	6%	92
Limited English Speaking Households	0%	1%	86	5%	0
Less Than High School Education	20%	15%	70	12%	81
Under Age 5	7%	6%	64	6%	68
Over Age 64	16%	17%	49	17%	50
Low Life Expectancy	23%	23%	54	20%	83

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	2
Water Dischargers .....	55
Air Pollution .....	37
Brownfields .....	19
Toxic Release Inventory .....	22

### Other community features within defined area:

Schools .....	21
Hospitals .....	1
Places of Worship .....	98

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes



Selected location contains an EPA IRA disadvantaged community . . . . .  
..... Yes

*Report for 3 miles Ring Centered at 32.345003,-90.223987*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	23%	23%	54	20%	83
Heart Disease	7.6	7.3	56	6.1	78
Asthma	11.7	10.2	84	10	87
Cancer	5.2	6.1	15	6.1	27
Persons with Disabilities	16.7%	17.6%	46	13.4%	74

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	10%	15%	44	12%	67
Wildfire Risk	0%	23%	0	14%	0

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	21%	24%	49	14%	76
Lack of Health Insurance	19%	12%	87	9%	90
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 32.345003,-90.223987

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Gulfport, MS

3 miles Ring Centered at 30.390191,-89.049658

Population: 29,966

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	93%
Spanish	4%
French, Haitian, or Cajun	1%
Other Indo-European	1%
Vietnamese	1%
Total Non-English	7%



Low income:  
47 percent



People of color:  
45 percent



Less than high school education:  
14 percent



Limited English households:  
2 percent



Unemployment:  
12 percent



Persons with disabilities:  
20 percent



Male:  
47 percent



Female:  
53 percent

75 years

Average life expectancy

\$25,050

Per capita income

House icon  
Number of households:  
12,309



Owner occupied:  
48 percent

### BREAKDOWN BY RACE



White: 55%



Black: 34%



American Indian:  
0%



Asian: 2%



Hawaiian/Pacific Islander: 0%



Other race: 0%

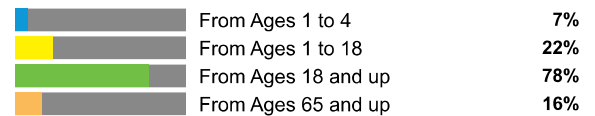


Two or more races: 3%



Hispanic: 6%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

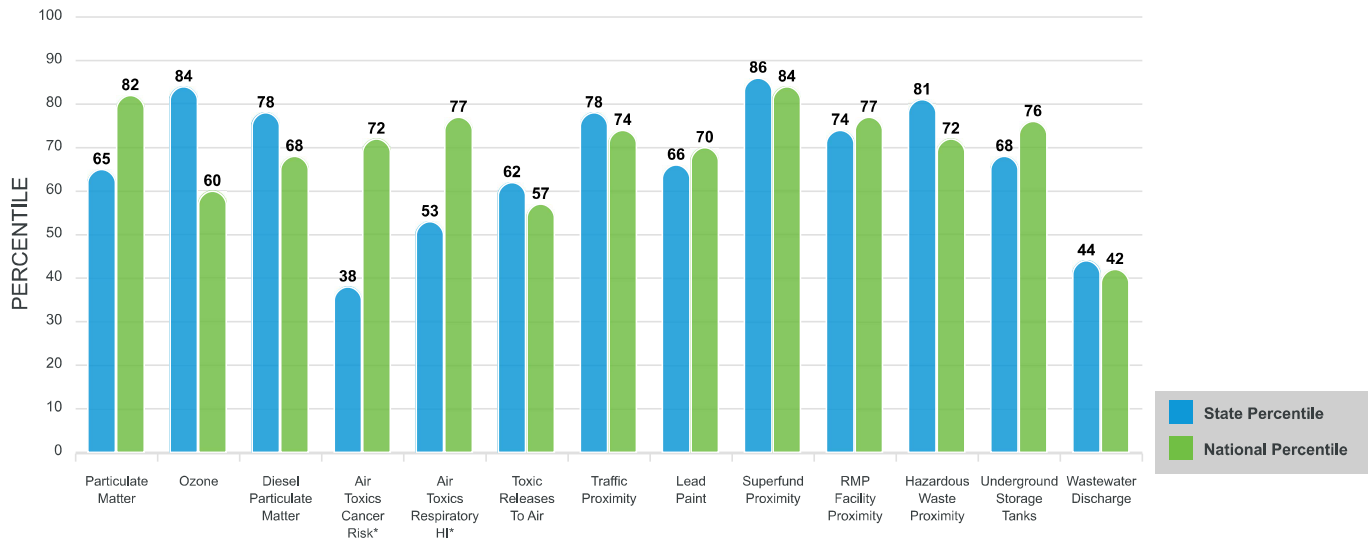
# Environmental Justice & Supplemental Indexes

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## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

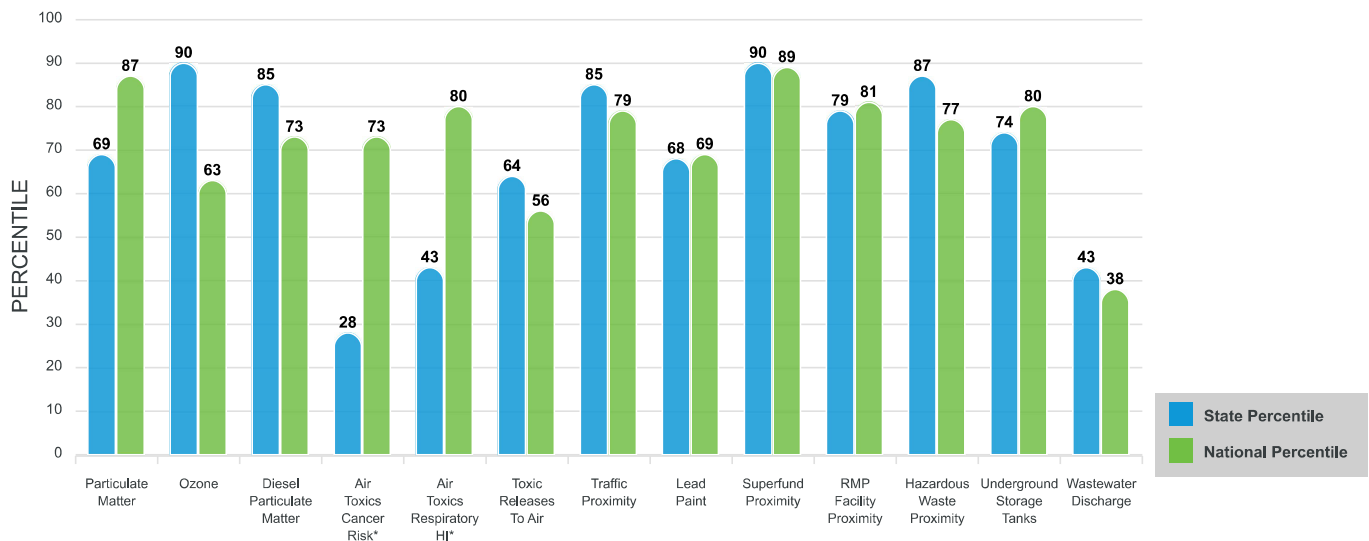
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 30.390191,-89.049658

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	9.07	9	53	8.08	75
Ozone (ppb)	59.6	57.9	90	61.6	36
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.211	0.136	85	0.261	48
Air Toxics Cancer Risk* (lifetime risk per million)	27	30	0	25	5
Air Toxics Respiratory HI*	0.34	0.38	0	0.31	31
Toxic Releases to Air	240	2,100	56	4,600	35
Traffic Proximity (daily traffic count/distance to road)	130	44	90	210	63
Lead Paint (% Pre-1960 Housing)	0.23	0.16	74	0.3	51
Superfund Proximity (site count/km distance)	0.19	0.069	92	0.13	84
RMP Facility Proximity (facility count/km distance)	0.39	0.33	78	0.43	72
Hazardous Waste Proximity (facility count/km distance)	1	0.31	93	1.9	62
Underground Storage Tanks (count/km <sup>2</sup> )	4.5	2.9	77	3.9	75
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00019	0.023	58	22	35
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	46%	44%	56	35%	70
Supplemental Demographic Index	20%	18%	62	14%	78
People of Color	45%	45%	53	39%	62
Low Income	47%	43%	57	31%	77
Unemployment Rate	13%	7%	80	6%	87
Limited English Speaking Households	2%	1%	89	5%	65
Less Than High School Education	14%	15%	51	12%	69
Under Age 5	7%	6%	65	6%	68
Over Age 64	16%	17%	49	17%	50
Low Life Expectancy	23%	23%	46	20%	79

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	3
Water Dischargers .....	40
Air Pollution .....	8
Brownfields .....	5
Toxic Release Inventory .....	9

### Other community features within defined area:

Schools .....	9
Hospitals .....	0
Places of Worship .....	58

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .

.....

Yes

*Report for 3 miles Ring Centered at 30.390191,-89.049658*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	23%	23%	46	20%	79
Heart Disease	7.2	7.3	42	6.1	71
Asthma	9.7	10.2	39	10	46
Cancer	6.1	6.1	42	6.1	48
Persons with Disabilities	18.6%	17.6%	57	13.4%	81

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	33%	15%	92	12%	92
Wildfire Risk	17%	23%	67	14%	82

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	20%	24%	45	14%	73
Lack of Health Insurance	19%	12%	87	9%	91
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 30.390191,-89.049658

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Waveland, MS

3 miles Ring Centered at 30.301172,-89.395931

Population: 14,122

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	97%
Spanish	1%
French, Haitian, or Cajun	1%
Vietnamese	1%
Total Non-English	3%



Low income:  
41 percent



People of color:  
21 percent



Less than high school education:  
14 percent



Limited English households:  
1 percent



Unemployment:  
10 percent



Persons with disabilities:  
19 percent



Male:  
47 percent



Female:  
53 percent

75 years

Average life expectancy

\$31,116

Per capita income

House icon  
Number of households:  
5,784



Owner occupied:  
65 percent

### BREAKDOWN BY RACE



White: 79%



Black: 12%



American Indian:  
2%



Asian: 1%



Hawaiian/Pacific Islander: 0%



Other race: 2%

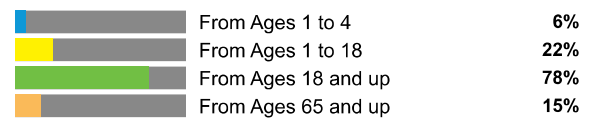


Two or more races: 2%



Hispanic: 3%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.



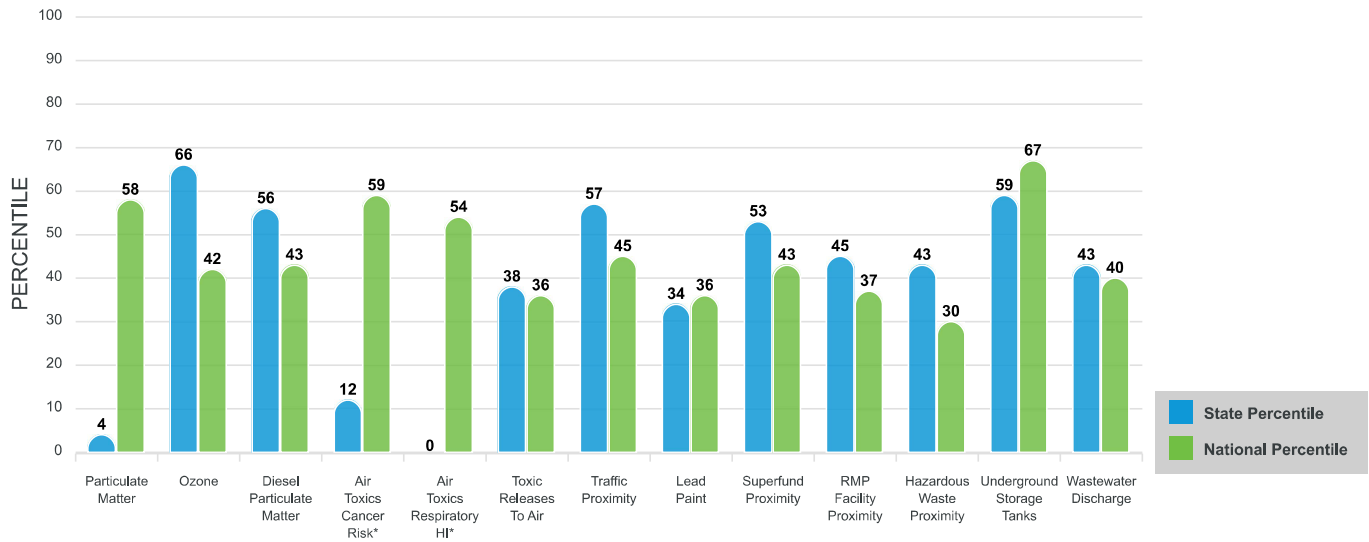
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

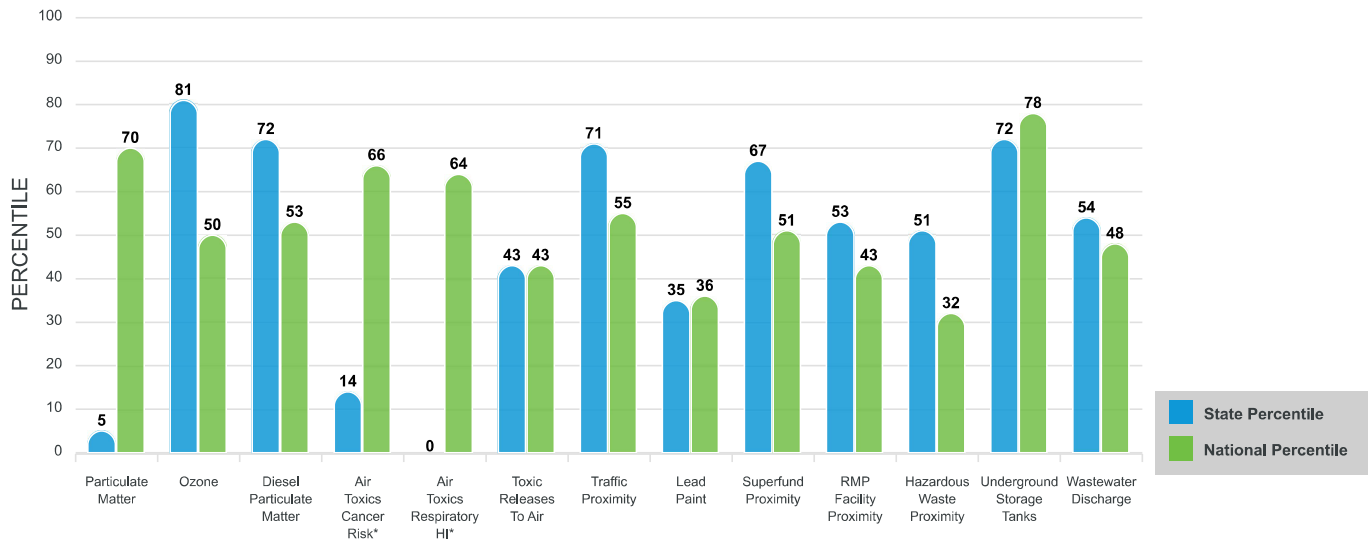
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 30.301172,-89.395931

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	8.19	9	4	8.08	49
Ozone (ppb)	58.7	57.9	78	61.6	29
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.147	0.136	64	0.261	30
Air Toxics Cancer Risk* (lifetime risk per million)	25	30	0	25	5
Air Toxics Respiratory HI*	0.3	0.38	0	0.31	31
Toxic Releases to Air	110	2,100	35	4,600	25
Traffic Proximity (daily traffic count/distance to road)	43	44	68	210	37
Lead Paint (% Pre-1960 Housing)	0.086	0.16	41	0.3	33
Superfund Proximity (site count/km distance)	0.032	0.069	55	0.13	29
RMP Facility Proximity (facility count/km distance)	0.088	0.33	40	0.43	25
Hazardous Waste Proximity (facility count/km distance)	0.088	0.31	39	1.9	17
Underground Storage Tanks (count/km <sup>2</sup> )	4.9	2.9	79	3.9	77
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00016	0.023	55	22	33
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	31%	44%	36	35%	52
Supplemental Demographic Index	18%	18%	53	14%	73
People of Color	21%	45%	28	39%	39
Low Income	41%	43%	49	31%	71
Unemployment Rate	10%	7%	73	6%	82
Limited English Speaking Households	1%	1%	87	5%	59
Less Than High School Education	14%	15%	50	12%	69
Under Age 5	6%	6%	56	6%	58
Over Age 64	15%	17%	48	17%	49
Low Life Expectancy	23%	23%	49	20%	80

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	0
Water Dischargers .....	10
Air Pollution .....	2
Brownfields .....	0
Toxic Release Inventory .....	0

### Other community features within defined area:

Schools .....	1
Hospitals .....	1
Places of Worship .....	20

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .

.....

Yes

*Report for 3 miles Ring Centered at 30.301172,-89.395931*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	23%	23%	49	20%	80
Heart Disease	6.9	7.3	37	6.1	67
Asthma	9.4	10.2	27	10	36
Cancer	6.2	6.1	47	6.1	50
Persons with Disabilities	17.9%	17.6%	54	13.4%	79

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	71%	15%	97	12%	97
Wildfire Risk	51%	23%	77	14%	86

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	17%	24%	38	14%	66
Lack of Health Insurance	13%	12%	54	9%	79
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 30.301172,-89.395931

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Pascagoula, MS

3 miles Ring Centered at 30.378191,-88.533881

Population: 31,762

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	90%
Spanish	9%
Total Non-English	10%



Low income:  
46 percent



People of color:  
65 percent



Less than high school education:  
12 percent



Limited English households:  
3 percent



Unemployment:  
12 percent



Persons with disabilities:  
17 percent



Male:  
49 percent



Female:  
51 percent

74 years

Average life expectancy

\$26,051

Per capita income

House icon  
Number of households:  
12,002



Owner occupied:  
60 percent

### BREAKDOWN BY RACE



White: 35%



Black: 52%



American Indian:  
0%



Asian: 1%



Hawaiian/Pacific Islander: 0%



Other race: 0%



Two or more races: 2%



Hispanic: 10%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

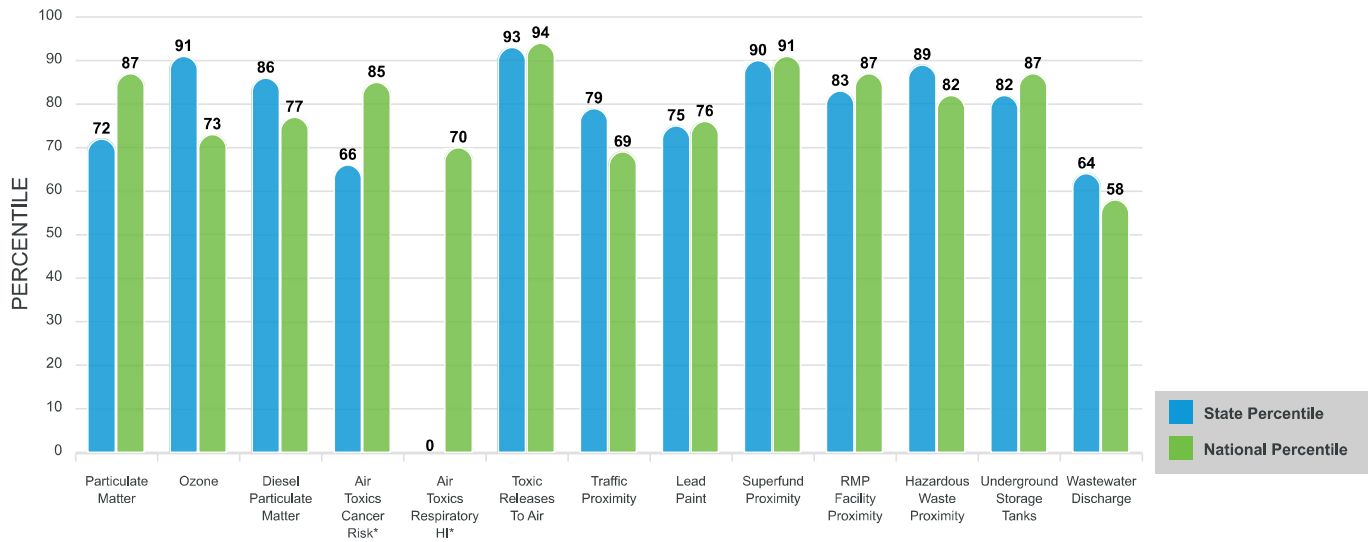
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

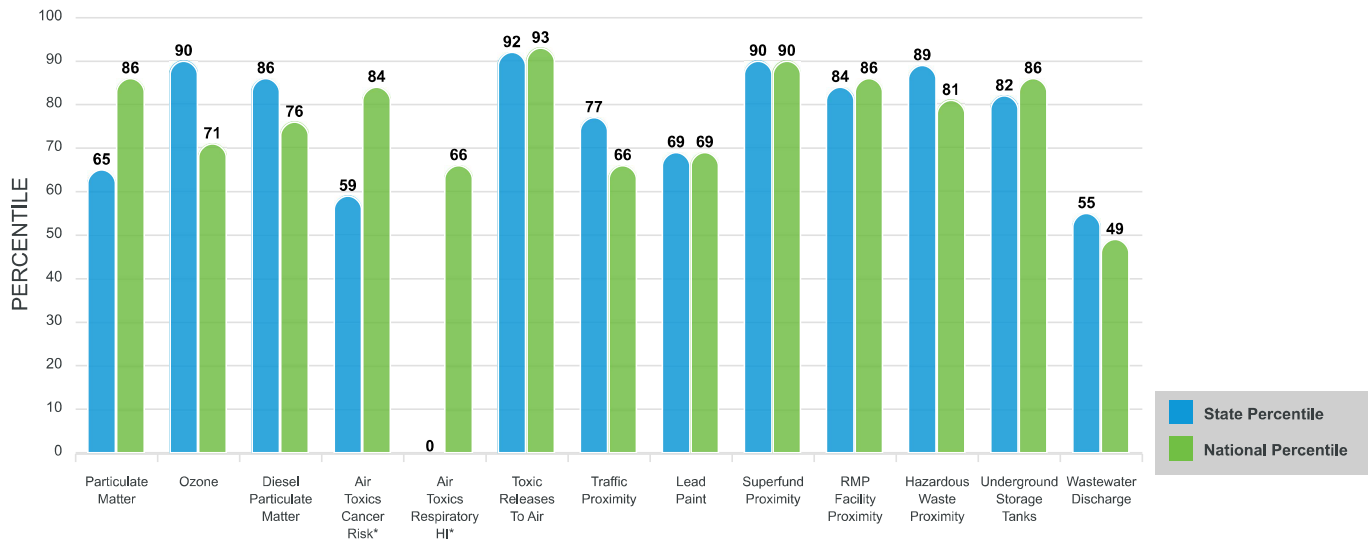
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 30.378191,-88.533881

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	9.02	9	51	8.08	74
Ozone (ppb)	60.6	57.9	94	61.6	46
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.232	0.136	90	0.261	53
Air Toxics Cancer Risk* (lifetime risk per million)	30	30	4	25	52
Air Toxics Respiratory HI*	0.3	0.38	0	0.31	31
Toxic Releases to Air	71,000	2,100	99	4,600	99
Traffic Proximity (daily traffic count/distance to road)	66	44	77	210	46
Lead Paint (% Pre-1960 Housing)	0.24	0.16	76	0.3	53
Superfund Proximity (site count/km distance)	0.26	0.069	94	0.13	89
RMP Facility Proximity (facility count/km distance)	0.68	0.33	86	0.43	82
Hazardous Waste Proximity (facility count/km distance)	1.4	0.31	96	1.9	67
Underground Storage Tanks (count/km <sup>2</sup> )	13	2.9	95	3.9	91
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0027	0.023	87	22	57
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	56%	44%	67	35%	80
Supplemental Demographic Index	19%	18%	60	14%	76
People of Color	65%	45%	69	39%	75
Low Income	46%	43%	56	31%	77
Unemployment Rate	12%	7%	78	6%	86
Limited English Speaking Households	3%	1%	91	5%	68
Less Than High School Education	12%	15%	44	12%	64
Under Age 5	8%	6%	70	6%	74
Over Age 64	16%	17%	53	17%	54
Low Life Expectancy	17%	23%	5	20%	28

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	1
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	4
Water Dischargers .....	55
Air Pollution .....	22
Brownfields .....	25
Toxic Release Inventory .....	15

### Other community features within defined area:

Schools .....	18
Hospitals .....	1
Places of Worship .....	101

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .  
..... Yes

*Report for 3 miles Ring Centered at 30.378191,-88.533881*



# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	17%	23%	5	20%	28
Heart Disease	7.5	7.3	53	6.1	77
Asthma	10.5	10.2	63	10	66
Cancer	5.9	6.1	35	6.1	43
Persons with Disabilities	16.1%	17.6%	43	13.4%	71

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	75%	15%	97	12%	97
Wildfire Risk	17%	23%	66	14%	82

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	22%	24%	50	14%	77
Lack of Health Insurance	16%	12%	75	9%	86
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 30.378191,-88.533881

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Hattiesburg, MS

3 miles Ring Centered at 31.323734,-89.291763

Population: 36,743

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	94%
Spanish	4%
Other Indo-European	1%
Total Non-English	6%



Low income:  
56 percent



People of color:  
63 percent



Less than high school education:  
15 percent



Limited English households:  
1 percent



Unemployment:  
9 percent



Persons with disabilities:  
22 percent



Male:  
48 percent



Female:  
52 percent

73 years

Average life expectancy

\$24,982

Per capita income

House icon  
Number of households:  
13,768



Owner occupied:  
43 percent

### BREAKDOWN BY RACE



White: 37%



Black: 54%



American Indian:  
0%



Asian: 1%



Hawaiian/Pacific Islander: 0%



Other race: 0%

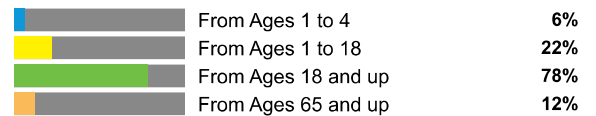


Two or more races: 3%



Hispanic: 5%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

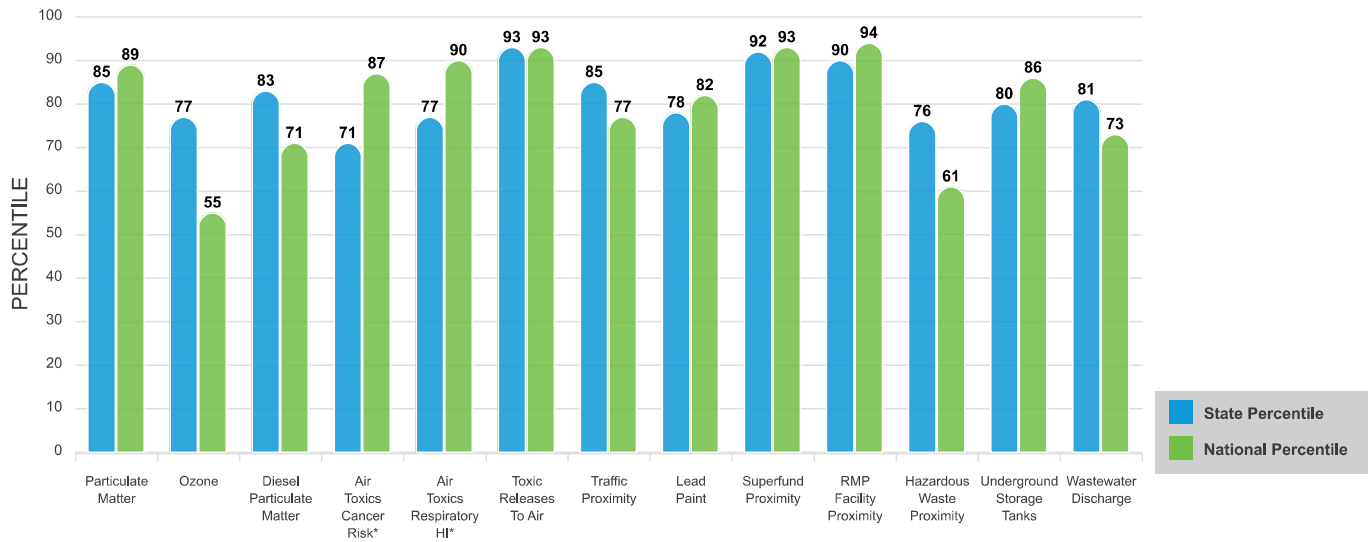
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

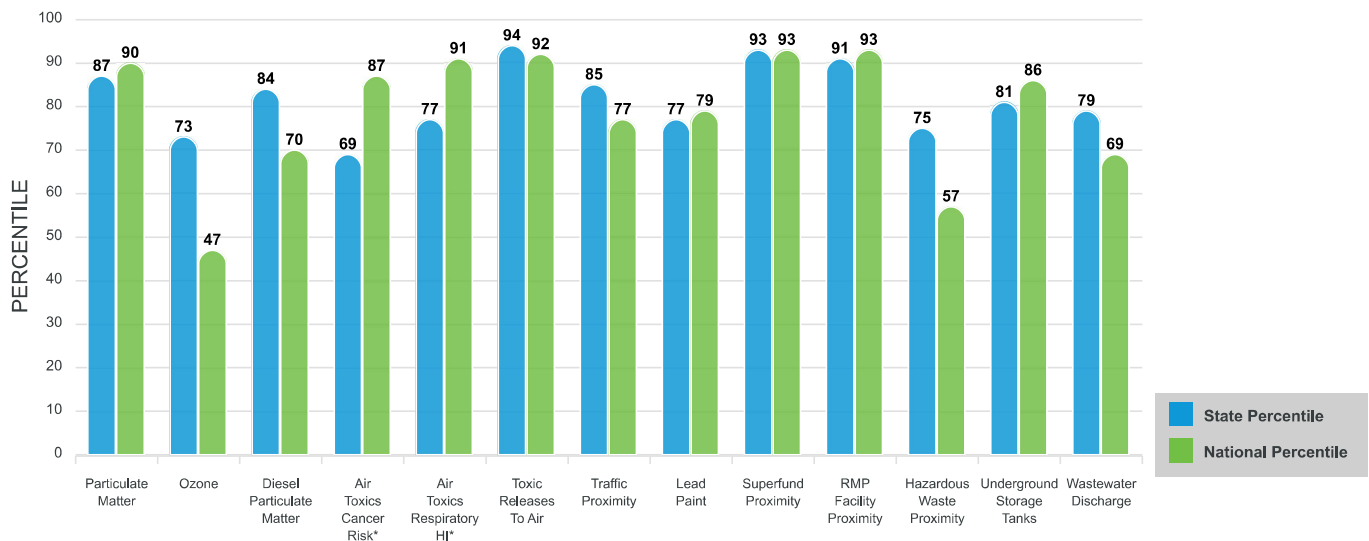
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 31.323734,-89.291763

# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	9.25	9	72	8.08	78
Ozone (ppb)	57.9	57.9	55	61.6	23
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.184	0.136	78	0.261	41
Air Toxics Cancer Risk* (lifetime risk per million)	30	30	4	25	52
Air Toxics Respiratory HI*	0.4	0.38	31	0.31	70
Toxic Releases to Air	12,000	2,100	97	4,600	93
Traffic Proximity (daily traffic count/distance to road)	100	44	86	210	57
Lead Paint (% Pre-1960 Housing)	0.36	0.16	86	0.3	63
Superfund Proximity (site count/km distance)	0.38	0.069	97	0.13	93
RMP Facility Proximity (facility count/km distance)	2.2	0.33	98	0.43	97
Hazardous Waste Proximity (facility count/km distance)	0.17	0.31	59	1.9	31
Underground Storage Tanks (count/km <sup>2</sup> )	5.6	2.9	81	3.9	79
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0009	0.023	77	22	47
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	60%	44%	71	35%	83
Supplemental Demographic Index	21%	18%	71	14%	82
People of Color	63%	45%	68	39%	74
Low Income	56%	43%	70	31%	85
Unemployment Rate	9%	7%	68	6%	77
Limited English Speaking Households	1%	1%	87	5%	60
Less Than High School Education	15%	15%	54	12%	71
Under Age 5	6%	6%	60	6%	63
Over Age 64	12%	17%	33	17%	36
Low Life Expectancy	23%	23%	47	20%	80

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	1
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	0
Water Dischargers .....	43
Air Pollution .....	14
Brownfields .....	73
Toxic Release Inventory .....	13

### Other community features within defined area:

Schools .....	11
Hospitals .....	4
Places of Worship .....	107

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .

.....

Yes

*Report for 3 miles Ring Centered at 31.323734,-89.291763*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	23%	23%	47	20%	80
Heart Disease	6.1	7.3	21	6.1	50
Asthma	11	10.2	72	10	77
Cancer	4.9	6.1	13	6.1	24
Persons with Disabilities	20.5%	17.6%	69	13.4%	87

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	18%	15%	81	12%	83
Wildfire Risk	24%	23%	69	14%	83

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	21%	24%	48	14%	76
Lack of Health Insurance	14%	12%	60	9%	81
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 31.323734,-89.291763

# EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

## Pascagoula, MS

3 miles Ring Centered at 30.351721,-88.508545

Population: 21,920

Area in square miles: 28.27

Dynamic map initially showing the user-selected area

### COMMUNITY INFORMATION

#### LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	86%
Spanish	13%
Other Indo-European	1%
Total Non-English	14%



Low income:  
47 percent



People of color:  
57 percent



Less than high school education:  
12 percent



Limited English households:  
4 percent



Unemployment:  
13 percent



Persons with disabilities:  
16 percent



Male:  
49 percent



Female:  
51 percent

74 years

Average life expectancy

\$26,719

Per capita income

House icon  
Number of households:  
8,061



Owner occupied:  
55 percent

### BREAKDOWN BY RACE



White: 43%



Black: 39%



American Indian:  
0%



Asian: 1%



Hawaiian/Pacific Islander: 0%



Other race: 0%



Two or more races: 2%



Hispanic: 14%

### BREAKDOWN BY AGE



### LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

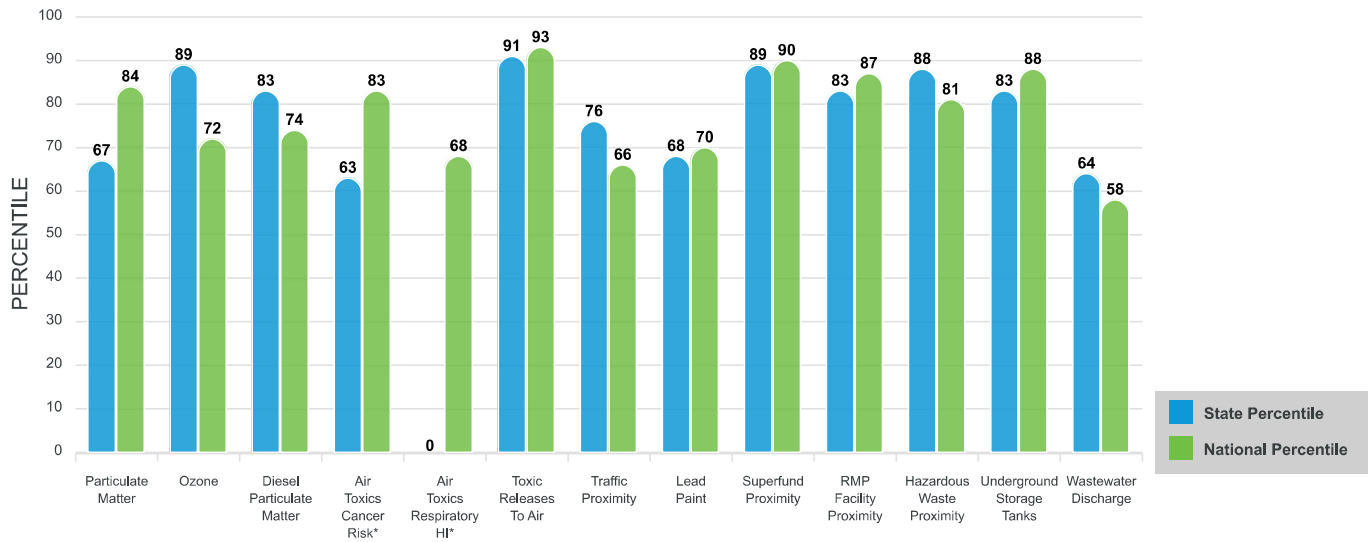
# Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

## EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

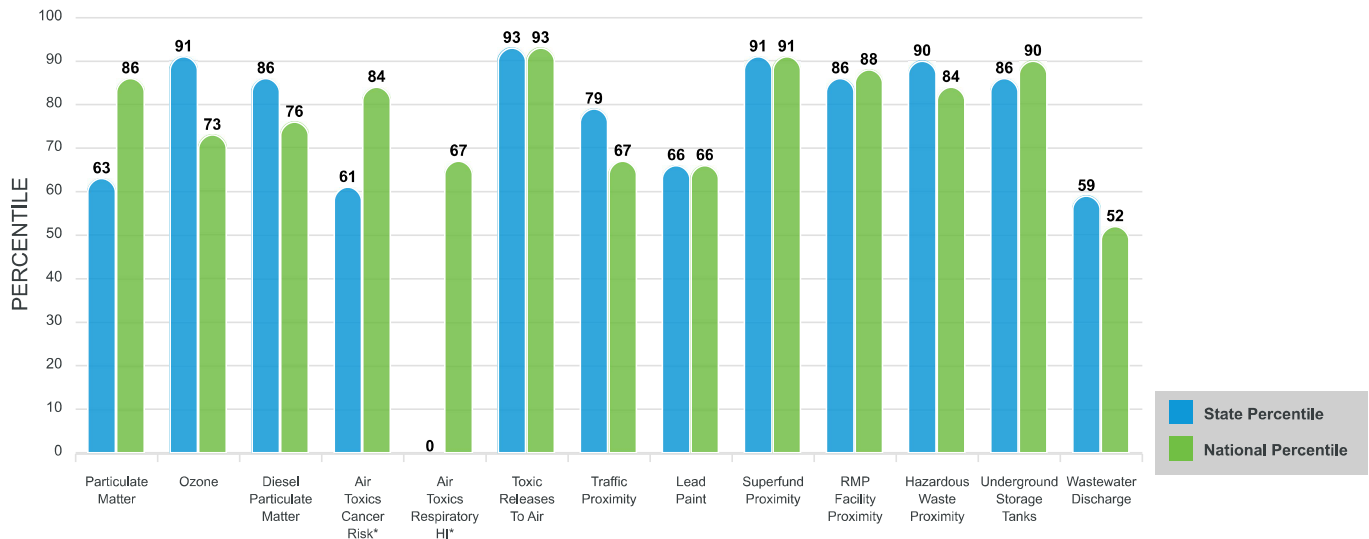
### EJ INDEXES FOR THE SELECTED LOCATION



## SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

### SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 3 miles Ring Centered at 30.351721,-88.508545



# EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
<b>POLLUTION AND SOURCES</b>					
Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	8.98	9	47	8.08	73
Ozone (ppb)	60.7	57.9	94	61.6	46
Diesel Particulate Matter ( $\mu\text{g}/\text{m}^3$ )	0.226	0.136	89	0.261	52
Air Toxics Cancer Risk* (lifetime risk per million)	30	30	4	25	52
Air Toxics Respiratory HI*	0.3	0.38	0	0.31	31
Toxic Releases to Air	93,000	2,100	99	4,600	99
Traffic Proximity (daily traffic count/distance to road)	65	44	77	210	46
Lead Paint (% Pre-1960 Housing)	0.2	0.16	70	0.3	48
Superfund Proximity (site count/km distance)	0.28	0.069	95	0.13	90
RMP Facility Proximity (facility count/km distance)	0.81	0.33	88	0.43	85
Hazardous Waste Proximity (facility count/km distance)	1.7	0.31	97	1.9	70
Underground Storage Tanks (count/km <sup>2</sup> )	16	2.9	97	3.9	94
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0047	0.023	90	22	61
<b>SOCIOECONOMIC INDICATORS</b>					
Demographic Index	52%	44%	63	35%	76
Supplemental Demographic Index	20%	18%	63	14%	78
People of Color	57%	45%	63	39%	70
Low Income	47%	43%	56	31%	77
Unemployment Rate	13%	7%	81	6%	88
Limited English Speaking Households	4%	1%	93	5%	73
Less Than High School Education	12%	15%	43	12%	64
Under Age 5	8%	6%	74	6%	78
Over Age 64	15%	17%	45	17%	47
Low Life Expectancy	18%	23%	7	20%	33

\*Diesel particulate 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>.

### Sites reporting to EPA within defined area:

Superfund .....	1
Hazardous Waste, Treatment, Storage, and Disposal Facilities .....	4
Water Dischargers .....	44
Air Pollution .....	18
Brownfields .....	11
Toxic Release Inventory .....	12

### Other community features within defined area:

Schools .....	12
Hospitals .....	1
Places of Worship .....	52

### Other environmental data:

Air Non-attainment .....	No
Impaired Waters .....	Yes

Selected location contains American Indian Reservation Lands* .....	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community .....	Yes

Selected location contains an EPA IRA disadvantaged community . . . . .  
..... Yes

*Report for 3 miles Ring Centered at 30.351721,-88.508545*

# EJScreen Environmental and Socioeconomic Indicators Data

## HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	18%	23%	7	20%	33
Heart Disease	7.2	7.3	42	6.1	71
Asthma	10.2	10.2	57	10	61
Cancer	5.7	6.1	28	6.1	39
Persons with Disabilities	15.7%	17.6%	41	13.4%	69

## CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	92%	15%	97	12%	98
Wildfire Risk	10%	23%	62	14%	81

## CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	18%	24%	41	14%	70
Lack of Health Insurance	14%	12%	66	9%	82
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 3 miles Ring Centered at 30.351721,-88.508545