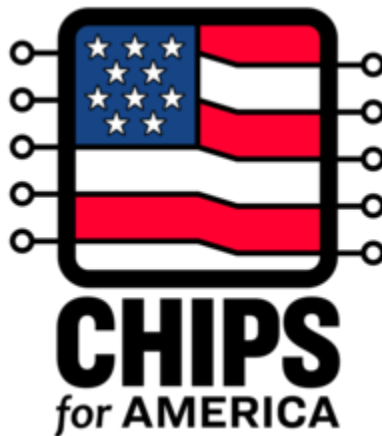


Draft Environmental Assessment for Intel Ocotillo
APPENDICES
Volume 2



NIST-CPO/EA-003

July 8, 2024

U.S. Department of Commerce
National Institute of Standards and Technology
CHIPS Program Office
Herbert C. Hoover Building
1401 Constitution Avenue NW
Washington, D.C. 20230

APPENDIX A: CONFORMITY RULE COMPLIANCE



Conformity Rule Compliance
Record of Non-Applicability

Project/Action Name: Intel Ocotillo Facility; Purchase and Installation of Semiconductor Manufacturing Equipment (SME)

Location: Chandler, Arizona

Project/Action Point of Contact: Martin Todd Dorris

Action Duration: 2024 to 2026

Conformity under the Clean Air Act, Section 176, has been evaluated for the above-described project per 40 C.F.R. Part 51. The requirements of this rule are not applicable to this section because:

Total and indirect emission increases from the Proposed Action have been estimated at:

- 3.8 tons per year (tpy) of Volatile Organic Chemicals (VOCs)
- 10.3 tpy of Nitrogen Oxides (NO_x)
- 7.5 tpy of Particulate Matter 10 microns and below (PM₁₀)

The emission increases from the Proposed Action are below de minimis thresholds established at 40 C.F.R. 51.853(b) of 100 tpy of VOCs, 100 tpy of NO_x and 70 tpy of PM₁₀.

The supporting documentation and nonattainment pollutant emission estimates are attached.

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Concurred by: Komie Jain, Division Director at CHIPS Program Office

Proposed Action and Emissions Summary

The Clean Air Act requires federal actions in air pollutant nonattainment or maintenance areas to conform to the applicable State Implementation Plan (SIP). The SIP is designed to achieve or maintain an attainment designation of air pollutants as defined by the National Ambient Air Quality Standards (NAAQS). The regulations governing this requirement are found in 40 Code of Federal Regulations part 93, also known as the “General Conformity Rule,” which applies to federal actions occurring in regions designated as nonattainment or areas subject to maintenance plans. 40 C.F.R. § 93.153 defines *de minimis* levels, that is, the minimum threshold for which a conformity determination must be performed, for various criteria pollutants in various areas. A project/action in an area designated as nonattainment/maintenance and exceeding the *de minimis* thresholds must have a general conformity determination prepared to address significant effects.

CPO’s Proposed Action is to provide federal financial incentives to Intel toward the purchase and installation of SME for three semiconductor manufacturing buildings (fabs) at their facility in Chandler, Arizona. Maricopa County is currently in nonattainment for ozone (moderate) and PM₁₀ (serious).

To determine whether a general conformity determination is applicable to the Proposed Action, CPO evaluated direct and indirect emissions of nonattainment pollutants relative to their *de minimis* thresholds.

Direct emissions relate to the operation of the Facility equipment itself, primarily through point or fugitive air emission sources; these are typically covered through the air permitting process with the controlling agency. Indirect emissions are those emissions caused by the federal action and originating in the region of interest, but which can occur later or in a different location from the action itself and are reasonably foreseeable. If the results of the applicability analysis indicate that the total emissions would not exceed the *de minimis* emissions thresholds, then the conformity evaluation process is completed.

Emissions subject to existing operating permits (i.e., direct emissions) are considered to already conform to the state’s SIP (governed under 40 C.F.R. § 51.372) and would not cause a violation of the NAAQS. The Intel Ocotillo Facility has an existing air permit to address operations for the entire facility, including Fabs 42, 52 and 62. Therefore, these emissions are not subject to General Conformity.

Non-permitted activities, such as indirect emissions, must be evaluated for General Conformity. For this evaluation, Intel Arizona construction activities and ongoing operations were considered including truck deliveries (e.g., transportation of the SME to the Facility, additional truck deliveries related to operations of this equipment), installation emissions of SME (above and beyond the building emissions already accounted for separately), and daily employee travel (for contractors and additional Intel employees required specifically for this equipment). Transportation data presented in Section 3 of this Environmental Assessment was used as inputs for modeling indirect emissions using the California Emissions Estimator Model (CalEEMod, v2022.1.1.22). The results show that the maximum expected emissions of nonattainment pollutants are below the applicable *de minimis* thresholds for Maricopa County (Table A-1). Detailed modeling results are provided in Attachment A. Modeling assumptions are provided following the table.

Table A-1. Maximum Annual Emissions compared to De minimis Thresholds for Maricopa County Nonattainment Area

Parameters	De minimis Thresholds, Tons/Year ¹	Maximum Annual Emissions ²
Ozone (VOCs or NO _x):		
VOC	100	3.8
NO _x	100	10.3
PM ₁₀	70	7.5

¹ Per 40 C.F.R. § 93.153(b)(1)—the following rates apply in Maricopa County.

² Maximum of the construction and operational years.

Table A-1 emissions assume simultaneous construction and operational indirect emissions occur in the same year, which is conservatively assumed to be 2025. Later years are expected to have similar or less activity, but the emission factors will be lower due to ongoing reductions of vehicle and equipment emissions. This analysis includes only direct emissions from non-permitted equipment (i.e., equipment to be permitted) and indirect emissions from work vehicles, equipment delivery trucks, equipment used to place the equipment, and vendor trucks for chemical and waste handling.

During construction, equipment funded through the CHIPS Act will be delivered via Class 8 trucks to the site. Fab 52 and Fab 62 each will receive an estimated 2,700 pieces of SME, and Fab 42 will receive an estimated 2,300 pieces of SME under the Proposed Project. SME are assumed to be shipped over land from the west coast ports, conservatively assuming truck travel distances from the California-Arizona border. There will be approximately 1,950 additional workers on-site for SME installation. The conformity analysis assumptions for construction-related activities are as follows:

- An overall average (consisting of air- and port-delivered SME) of 18 diesel-fueled Class 8 trucks per day (6 per fab building) with an average of 340 miles round trip per truck assumed for tool delivery from the California-Arizona Border to the site.
- Receipt of the SME at the site assumes conservatively that diesel-fueled equipment would be used verses electric. Three “Off-road Equipment” (i.e., cranes; one per fab) rated at 250 horsepower each are estimated to be operated up to 6 hours per day (engine on time) for 6 days per week, year-round during construction.
- SME installation will require up to 1,950 additional workers. The average distance traveled from the local workforce is estimated at 15 miles one-way trip (30 miles round trip)

General conformity also accounts for indirect emissions as a result of operations, which consists mainly of vehicle travel, including employee commute and vendor deliveries. Operational emissions of the equipment are generally not included as part of the conformity analysis as they have already been analyzed and accepted as part of the local air permitting process, however a portion of the funded equipment has not been reviewed through the local permitting process at the time of this analysis. As such, these emissions have been estimated and included for the purposes of determining conformance. The operational emissions for consideration used the following assumptions:

- Vendor deliveries include tanker trucks for chemicals (inbound) and waste (outbound), drum trucks for chemicals and waste (outbound), and compressed gas delivery trucks (inbound and outbound). An estimated 10 daily deliveries with an average of 100 miles travel distance one-way (200 miles round trip) are assumed to run 6 days per week.

- Intel employees working with tooling within the fabs is estimated at 3,000 per Section 3 in this Environmental Assessment. Conservatively assumed at 1 employee per vehicle, this amounts to 3,000 one-way trips per day. Per the estimates in the construction bullets, the one-way distance is estimated to be 15 miles (30 miles round trip).
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ATTACHMENT A GENERAL CONFORMITY EMISSIONS DETAILS

INTEL ARIZONA—General Conformity Emissions (Non-Permitted Indirect)

SUMMARY PAGE

Date: May 2024

Location	Conformity Pollutants (ton/yr)		
	VOC	NOx	PM ₁₀
CONSTRUCTION			
Equipment Install (2024)			
Off-road equipment (crane)	0.06	2.39	0.05
Worker	2.48	3.51	6.25
Hauling (Delivery)	0.05	3.33	0.95
Total Construction (2024)	2.59	9.23	7.25
Equipment Install (2025)			
Off-road equipment (crane)	0.06	2.38	0.05
Worker	2.18	3.08	6.23
Hauling (Delivery)	0.05	3.19	0.95
Total Construction (2025)	2.29	8.65	7.23
Equipment Install (2026)			
Off-road equipment (crane)	0.06	2.38	0.05
Worker	2.08	2.86	6.23
Hauling (Delivery)	0.02	3.11	0.95
Total Construction (2026)	2.16	8.35	7.23
OPERATIONAL			
Mobile (Intel employee)	1.54	0.77	0.01
Vendor (Delivery; 2025)	0.02	0.89	0.28
Vendor (Delivery; 2026)	0.02	0.83	0.28
Total Operation (2025)	1.56	1.66	0.29
Total Operation (2026)	1.56	1.60	0.29
Maximum Conformity Emissions (2025 with Construction and Operation Emissions) ¹			
	3.85	10.31	7.52
De Minimis thresholds			
	100	100	70
Conformity Demonstrated?			
	Yes	Yes	Yes

Emissions calculated using California Emissions Estimator Model (CalEEMod) (<https://caleemod.com/>).

¹ Maximum case is 2025 emission factors with operational and construction emissions occurring simultaneously and higher construction emissions

Acronymns

NOx - Oxides of Nitrogen, PM₁₀ - particulate matter 10 microns or less, VOC - volatile organic compounds

VOC = Total Organic Gases (TOG), and Reactive Organic Gases (ROG) is a subset of TOG

ATTACHMENT B DETAILED CONFORMITY EMISSIONS REPORT

Intel AZ Detailed Report

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 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year, Unmitigated
 - 2.4. Operations Emissions Compared Against Thresholds
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4.7.1. Unmitigated

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Sections 4-8 not required for this General Conformity Analysis and have been removed from this report.

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Sections 4-8 not required for this General Conformity Analysis and have been removed from this report.

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Intel AZ
Construction Start Date	1/5/2024
Operational Year	2027
Lead Agency	EPA
Land Use Scale	Project/site
<p>This information section is not used as part of the emission calculations. It is only needed for other program areas (i.e., water, electricity, land use, etc.) that are not used for this modeling.</p>	
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
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General Heavy Industry	3,700	1000sqft	700	3,700,000	10,000	0.00	—	—
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1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.7	17.0	62.1	340	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	79,580	79,580	1.80	5.52	245	81,514
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.3	13.3	63.0	222	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	74,019	74,019	1.80	5.52	6.32	75,715
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.3	11.7	55.8	211	0.17	0.82	40.4	41.2	0.68	9.89	10.6	—	64,392	64,392	1.58	4.78	90.5	65,946
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.61	2.14	10.2	38.5	0.03	0.15	7.37	7.52	0.12	1.80	1.93	—	10,661	10,661	0.26	0.79	15.0	10,918

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	18.7	17.0	62.1	340	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	79,580	79,580	1.80	5.52	245	81,514
2025	18.0	15.1	59.5	309	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	77,953	77,953	1.76	5.52	228	79,869
2026	15.7	14.2	56.0	283	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	76,359	76,359	1.76	5.38	210	78,217
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	16.3	13.3	63.0	222	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	74,019	74,019	1.80	5.52	6.32	75,715
2025	14.5	12.8	59.3	202	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	72,526	72,526	1.80	5.52	5.91	74,222
2026	13.7	12.2	56.9	185	0.20	0.96	47.3	48.2	0.79	11.6	12.4	—	71,059	71,059	1.76	5.34	5.44	72,700
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	14.3	11.7	55.8	211	0.17	0.82	40.4	41.2	0.68	9.89	10.6	—	64,392	64,392	1.58	4.78	90.5	65,946
2025	12.7	11.2	52.3	191	0.17	0.82	40.3	41.1	0.67	9.86	10.5	—	62,917	62,917	1.54	4.73	84.3	64,449
2026	12.0	10.7	50.4	175	0.17	0.82	40.3	41.1	0.67	9.86	10.5	—	61,642	61,642	1.51	4.61	77.6	63,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.61	2.14	10.2	38.5	0.03	0.15	7.37	7.52	0.12	1.80	1.93	—	10,661	10,661	0.26	0.79	15.0	10,918
2025	2.31	2.05	9.54	34.9	0.03	0.15	7.35	7.50	0.12	1.80	1.92	—	10,417	10,417	0.26	0.78	14.0	10,670
2026	2.19	1.96	9.19	32.0	0.03	0.15	7.35	7.50	0.12	1.80	1.92	—	10,205	10,205	0.25	0.76	12.9	10,452

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	40.5	122	6.25	182	0.02	0.30	0.02	0.32	0.23	0.01	0.23	4,112	5,473,024	5,477,136	755	45.4	963	5,510,508

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.61	93.3	4.96	19.2	0.01	0.01	0.02	0.03	0.01	0.01	0.02	4,112	5,472,369	5,476,481	755	45.4	963	5,509,846	
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.6	105	4.89	97.6	0.01	0.15	0.02	0.17	0.12	< 0.005	0.12	4,112	5,472,567	5,476,679	755	45.4	963	5,510,035	
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.12	19.2	0.89	17.8	< 0.005	0.03	< 0.005	0.03	0.02	< 0.005	0.02	681	906,046	906,727	125	7.51	159	912,249	

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.8	11.6	4.89	21.1	0.01	0.01	0.02	0.03	0.01	0.01	0.02	—	874	874	0.39	0.27	0.08	964	
Area	28.6	110	1.35	161	0.01	0.29	—	0.29	0.22	—	0.22	—	662	662	0.03	0.01	—	664	
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,465,579	5,465,579	339	41.1	—	5,486,301	
Water	—	—	—	—	—	—	—	—	—	—	—	1,640	5,909	7,549	168	4.04	—	12,964	
Waste	—	—	—	—	—	—	—	—	—	—	—	2,473	0.00	2,473	247	0.00	—	8,651	
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	963	963	
Total	40.5	122	6.25	182	0.02	0.30	0.02	0.32	0.23	0.01	0.23	4,112	5,473,024	5,477,136	755	45.4	963	5,510,508	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	9.61	9.41	4.96	19.2	0.01	0.01	0.02	0.03	0.01	0.01	0.02	—	881	881	0.40	0.25	< 0.005	966
Area	—	83.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,465,579	5,465,579	339	41.1	—	5,486,301
Water	—	—	—	—	—	—	—	—	—	—	—	1,640	5,909	7,549	168	4.04	—	12,964
Waste	—	—	—	—	—	—	—	—	—	—	—	2,473	0.00	2,473	247	0.00	—	8,651
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	963	963
Total	9.61	93.3	4.96	19.2	0.01	0.01	0.02	0.03	0.01	0.01	0.02	4,112	5,472,369	5,476,481	755	45.4	963	5,509,846
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.45	8.27	4.22	18.2	0.01	0.01	0.02	0.03	0.01	< 0.005	0.02	—	753	753	0.36	0.22	0.03	828
Area	14.1	96.9	0.67	79.4	< 0.005	0.14	—	0.14	0.11	—	0.11	—	326	326	0.01	< 0.005	—	328
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	5,465,579	5,465,579	339	41.1	—	5,486,301
Water	—	—	—	—	—	—	—	—	—	—	—	1,640	5,909	7,549	168	4.04	—	12,964
Waste	—	—	—	—	—	—	—	—	—	—	—	2,473	0.00	2,473	247	0.00	—	8,651
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	963	963
Total	22.6	105	4.89	97.6	0.01	0.15	0.02	0.17	0.12	< 0.005	0.12	4,112	5,472,567	5,476,679	755	45.4	963	5,510,035
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.54	1.51	0.77	3.32	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	125	125	0.06	0.04	0.01	137
Area	2.58	17.7	0.12	14.5	< 0.005	0.03	—	0.03	0.02	—	0.02	—	54.0	54.0	< 0.005	< 0.005	—	54.2
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	904,889	904,889	56.1	6.80	—	908,320
Water	—	—	—	—	—	—	—	—	—	—	—	271	978	1,250	27.9	0.67	—	2,146
Waste	—	—	—	—	—	—	—	—	—	—	—	409	0.00	409	40.9	0.00	—	1,432
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	159	159
Total	4.12	19.2	0.89	17.8	< 0.005	0.03	< 0.005	0.03	0.02	< 0.005	0.02	681	906,046	906,727	125	7.51	159	912,249

3. Construction Emissions Details

3.1. Equipment Installtion (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	15.2	9.54	0.02	0.33	—	0.33	0.29	—	0.29	—	1,937	1,937	0.08	0.02	—	1,943
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	15.2	9.54	0.02	0.33	—	0.33	0.29	—	0.29	—	1,937	1,937	0.08	0.02	—	1,943
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.35	13.1	8.20	0.02	0.28	—	0.28	0.25	—	0.25	—	1,664	1,664	0.07	0.01	—	1,670
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	2.39	1.50	< 0.005	0.05	—	0.05	0.05	—	0.05	—	276	276	0.01	< 0.005	—	277
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	17.8	16.3	21.2	328	0.00	0.00	40.0	40.0	0.00	9.69	9.69	—	50,643	50,643	1.72	1.46	186	51,308
Vendor	0.14	0.10	5.71	1.43	0.04	0.09	1.68	1.77	0.09	0.46	0.55	—	6,213	6,213	< 0.005	0.80	17.2	6,468
Hauling	0.29	0.15	20.0	0.94	0.14	0.54	5.54	6.08	0.40	1.42	1.82	—	20,787	20,787	< 0.005	3.24	41.1	21,796
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	15.5	12.7	21.0	210	0.00	0.00	40.0	40.0	0.00	9.69	9.69	—	45,080	45,080	1.72	1.46	4.81	45,564
Vendor	0.14	0.10	5.98	1.39	0.04	0.09	1.68	1.77	0.09	0.46	0.55	—	6,214	6,214	< 0.005	0.80	0.44	6,451
Hauling	0.29	0.15	20.8	0.95	0.14	0.54	5.54	6.08	0.40	1.42	1.82	—	20,789	20,789	< 0.005	3.24	1.07	21,757
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.6	11.2	19.3	201	0.00	0.00	34.2	34.2	0.00	8.28	8.28	—	39,520	39,520	1.51	1.26	69.0	40,001
Vendor	0.12	0.08	5.25	1.19	0.04	0.08	1.44	1.51	0.08	0.40	0.47	—	5,340	5,340	< 0.005	0.72	6.34	5,562
Hauling	0.25	0.13	18.2	0.81	0.12	0.46	4.74	5.20	0.35	1.21	1.56	—	17,867	17,867	< 0.005	2.79	15.2	18,713
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.48	2.04	3.51	36.7	0.00	0.00	6.25	6.25	0.00	1.51	1.51	—	6,543	6,543	0.25	0.21	11.4	6,623
Vendor	0.02	0.02	0.96	0.22	0.01	0.01	0.26	0.28	0.01	0.07	0.09	—	884	884	< 0.005	0.12	1.05	921
Hauling	0.05	0.02	3.33	0.15	0.02	0.08	0.87	0.95	0.06	0.22	0.29	—	2,958	2,958	< 0.005	0.46	2.52	3,098

3.3. Equipment Installtion (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40	0.40	15.2	9.54	0.02	0.33	—	0.33	0.29	—	0.29	—	1,937	1,937	0.08	0.02	—	1,943
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	15.2	9.54	0.02	0.33	—	0.33	0.29	—	0.29	—	1,937	1,937	0.08	0.02	—	1,943
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.35	13.1	8.18	0.02	0.28	—	0.28	0.25	—	0.25	—	1,660	1,660	0.07	0.01	—	1,666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	2.38	1.49	< 0.005	0.05	—	0.05	0.05	—	0.05	—	275	275	0.01	< 0.005	—	276
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	17.2	14.4	19.8	298	0.00	0.00	40.0	40.0	0.00	9.69	9.69	—	49,557	49,557	1.68	1.46	170	50,204
Vendor	0.14	0.10	5.32	1.16	0.04	0.09	1.68	1.77	0.09	0.46	0.55	—	6,099	6,099	< 0.005	0.80	17.0	6,353
Hauling	0.29	0.15	19.2	0.81	0.14	0.54	5.54	6.08	0.40	1.42	1.82	—	20,361	20,361	< 0.005	3.24	40.7	21,368
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.6	12.1	18.3	191	0.00	0.00	40.0	40.0	0.00	9.69	9.69	—	44,129	44,129	1.72	1.46	4.41	44,612

Vendor	0.14	0.10	5.54	1.17	0.04	0.09	1.68	1.77	0.09	0.46	0.55	—	6,099	6,099	< 0.005	0.80	0.44	6,337
Hauling	0.29	0.15	20.2	0.81	0.14	0.54	5.54	6.08	0.40	1.42	1.82	—	20,362	20,362	< 0.005	3.24	1.06	21,330
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	11.9	10.6	16.9	181	0.00	0.00	34.1	34.1	0.00	8.26	8.26	—	38,577	38,577	1.47	1.25	62.9	39,050
Vendor	0.12	0.08	4.86	1.00	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,227	5,227	< 0.005	0.68	6.32	5,437
Hauling	0.25	0.13	17.5	0.69	0.12	0.46	4.73	5.19	0.35	1.21	1.56	—	17,453	17,453	< 0.005	2.78	15.1	18,296
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.18	1.94	3.08	33.1	0.00	0.00	6.23	6.23	0.00	1.51	1.51	—	6,387	6,387	0.24	0.21	10.4	6,465
Vendor	0.02	0.02	0.89	0.18	0.01	0.01	0.26	0.28	0.01	0.07	0.09	—	865	865	< 0.005	0.11	1.05	900
Hauling	0.05	0.02	3.19	0.13	0.02	0.08	0.86	0.95	0.06	0.22	0.28	—	2,889	2,889	< 0.005	0.46	2.50	3,029

3.5. Equipment Installtion (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	15.2	9.54	0.02	0.33	—	0.33	0.29	—	0.29	—	1,937	1,937	0.08	0.02	—	1,943
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	15.2	9.54	0.02	0.33	—	0.33	0.29	—	0.29	—	1,937	1,937	0.08	0.02	—	1,943
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

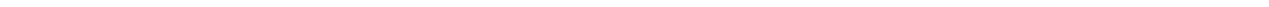
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.35	13.1	8.18	0.02	0.28	—	0.28	0.25	—	0.25	—	1,660	1,660	0.07	0.01	—	1,666
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	2.38	1.49	< 0.005	0.05	—	0.05	0.05	—	0.05	—	275	275	0.01	< 0.005	—	276
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	15.0	13.5	17.1	272	0.00	0.00	40.0	40.0	0.00	9.69	9.69	—	48,523	48,523	1.68	1.46	154	49,155
Vendor	0.14	0.10	4.96	0.98	0.04	0.09	1.68	1.77	0.09	0.46	0.55	—	5,979	5,979	< 0.005	0.80	16.1	6,232
Hauling	0.16	0.15	18.7	0.81	0.14	0.54	5.54	6.08	0.40	1.42	1.82	—	19,921	19,921	< 0.005	3.11	39.4	20,887
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	13.0	11.5	16.9	174	0.00	0.00	40.0	40.0	0.00	9.69	9.69	—	43,221	43,221	1.68	1.42	4.00	43,690
Vendor	0.14	0.10	5.23	0.99	0.04	0.09	1.68	1.77	0.09	0.46	0.55	—	5,979	5,979	< 0.005	0.80	0.42	6,217
Hauling	0.15	0.15	19.5	0.81	0.14	0.54	5.54	6.08	0.40	1.42	1.82	—	19,922	19,922	< 0.005	3.11	1.02	20,850
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	11.4	10.2	15.7	166	0.00	0.00	34.1	34.1	0.00	8.26	8.26	—	37,781	37,781	1.44	1.25	57.1	38,248
Vendor	0.12	0.08	4.56	0.84	0.04	0.08	1.43	1.51	0.08	0.40	0.47	—	5,125	5,125	< 0.005	0.68	6.00	5,334
Hauling	0.13	0.13	17.0	0.69	0.12	0.46	4.73	5.19	0.35	1.21	1.56	—	17,076	17,076	< 0.005	2.67	14.6	17,885
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.08	1.86	2.86	30.2	0.00	0.00	6.23	6.23	0.00	1.51	1.51	—	6,255	6,255	0.24	0.21	9.45	6,332

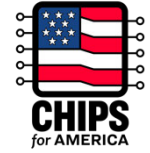
Vendor	0.02	0.02	0.83	0.15	0.01	0.01	0.26	0.28	0.01	0.07	0.09	—	848	848	< 0.005	0.11	0.99	883
Hauling	0.02	0.02	3.11	0.13	0.02	0.08	0.86	0.95	0.06	0.22	0.28	—	2,827	2,827	< 0.005	0.44	2.41	2,961

4. Operations Emissions Details

Sections 4-8 not required for this General Conformity Analysis and have been removed from this report.

APPENDIX B: NHPA SECTION 106 AND TRIBAL CONSULTATION





March 26, 2024

Kathryn Leonard
State Historic Preservation Officer
State Historic Preservation Office
1100 West Washington Street
Phoenix, AZ 85007
Email: azshpo@azstateparks.gov

Re: CHIPS Program Office, Initiation of Section 106 Process for Undertaking at Intel Ocotillo Campus, Chandler, Arizona

Dear Ms. Leonard:

The CHIPS Incentives Program (Program) was authorized by Title XCIX—Creating Helpful Incentives to Produce Semiconductors for America of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Pub. L. 116-283), as amended by the CHIPS Act of 2022 (Division A of Pub. L. 117-167) (the “CHIPS Act” or “Act”). The CHIPS Incentives Program is administered by the CHIPS Program Office (CPO) within the National Institute of Standards and Technology (NIST), an agency of the Department of Commerce.

Intel has applied for federal financial assistance under the Program for the purchase, installation, and operation of state-of-the-art semiconductor manufacturing equipment and tooling within its existing and to-be-constructed semiconductor fabrication buildings (fabs) (the Project) at its Ocotillo Campus located at 4500 S. Dobson Road, Chandler, Arizona in Maricopa County. CPO is considering an action to provide federal financial assistance under the Program for the Proposed Project (the undertaking).

The purpose of this letter is to initiate consultation with the State Historic Preservation Office under Section 106 of the National Historic Preservation Act (NHPA) and its implementing regulations, 36 C.F.R. Pt. 800, present the CPO undertaking, present the archaeological and architectural areas of potential effect (APEs), and present CPO’s proposed finding of no adverse effect for this project. CPO is coordinating this Section 106 consultation with its review of the Project pursuant to the National Environmental Policy Act (NEPA), 42 U.S.C. § 4321 et seq., and the NEPA implementing regulations (40 C.F.R. Pts. 1500-1508).

Scope of CPO Undertaking

The scope of the CPO undertaking is limited to CPO’s provision of federal financial assistance to Intel Ocotillo for the purchase, installation, and operation of semiconductor manufacturing

equipment at its existing Fab 42 and to-be-completed Fabs 52 and 62. Modernization and construction activities which began in September 2021, which are ongoing, do not require federal permits and are proceeding without federal financial assistance

Area of Potential Effect

The Intel Ocotillo site has been in operation since the 1990s. The site is bordered by Gila River Indian Community lands to the west. CPO is not aware of any cultural resource surveys conducted previously for this site. CPO has determined the APE as shown in Attachment 1.

Section 106 Next Steps

In accordance with Section 106, CPO seeks to identify potential consulting parties in addition to the SHPO, Native American Indian Tribes that have an interest in the project area, local governments, historical societies, preservation organizations, and the Advisory Council on Historic Preservation (ACHP). On March 26, 2024, CPO initiated government-to-government consultation for the undertaking with twelve tribes (Attachment 2). We would welcome your input on other potential consulting parties that may have an interest in participating in the Section 106 process.

Based on previous intensity of land disturbance on the site since the 1990's and no presence of historic architectural properties on or in the vicinity of the site, CPO is proposing a finding that the proposed action would have no adverse effect on cultural resources. We respectfully request any additional information or studies your office may have concerning the project site that may affect our effect determination.

We look forward to consulting with your office throughout the Section 106 process. If you have any questions or would like to discuss this project further, please contact me at (202) 309-4287 or by email at [REDACTED].

Sincerely,

PHILLIP
NEUBERG
Phillip Neuberg, FAIA
NIST Federal Preservation Officer

Digitally signed by PHILLIP
NEUBERG
Date: 2024.03.26 13:26:33
-04'00'

cc: CPO Environmental Division

SHPO recommends that a finding of No Historic Properties Affected is appropriate for the undertaking. The APE conforms to the scale of the project. We appreciate you consulting the 12 tribes who claim affinity with this area, as indicated on the Government-to-Government Consultation Toolkit. At this time, we have no recommendations for additional consulting parties.



Erin Davis
Archaeological Compliance Specialist
Arizona State Historic Preservation Office
April 19, 2024

Attachment(s):

(1) CPO Tribal Consultation List for the Undertaking

Attachment 1: Intel Ocotillo Campus Project Site and APE Map



Attachment 2: CPO Tribal Consultation List for the Undertaking

Ak-Chin Indian Community

Colorado River Indian Tribes of the Colorado River Indian Reservation, Arizona and California

Gila River Indian Community

Hopi Tribe

Mescalero Apache Tribe

Pascua Yaqui Tribe

Pueblo of Zuni

Salt River Pima-Maricopa Indian Community

Tohono O'odham Nation

Tonto Apache Tribe

White Mountain Apache Tribe

Yavapai Apache Nation

TRIBAL CONSULTATION LIST

- Gila River Indian Community
 - Pueblo of Zuni
 - Tonto Apache Tribe
 - Tohono O'odham Nation
 - Ak-Chin Indian Community
 - Salt River Pima-Maricopa Indian Community
 - Yavapai Apache Nation
 - White Mountain Apache Tribe
 - Pasqua Yaqui Tribe
 - Hopi Tribe
 - Mescalero Apache Tribe
 - Colorado River Indian Tribes
-

March 22, 2024

Stephen Roe Lewis
Governor
Gila River Indian Community
P.O. Box 97
Sacaton, AZ 85147

Re: Intel Ocotillo Campus Project in Chandler, Arizona

Dear Governor Lewis:

The National Institute of Standards and Technology's (NIST) CHIPS Program Office (CPO), within the Department of Commerce, administers the CHIPS Incentives Program (the Program) under the CHIPS and Science Act of 2022,¹ which aims to strengthen and revitalize the U.S. position in semiconductor research, development, and manufacturing. CPO received an application for federal financial assistance under the Program from Intel for its Ocotillo Arizona campus (located at 4500 S. Dobson Road, Chandler, Arizona in Maricopa County) to support the purchase, installation and operation of semiconductor manufacturing equipment (the Proposed Project).

CPO has determined that the Proposed Project is an undertaking subject to review under Section 106 of the National Historic Preservation Act (NHPA) and its implementing regulations (36 CFR Part 800) and would like to initiate government-to-government consultation with the Gila River Indian Community. This process will support CPO's decision on whether to provide federal financial assistance under the CHIPS Act to the Proposed Project.

The Intel Ocotillo site has been in operation since the 1990s. The site is bordered by Gila River Indian Community lands to the west. Intel began construction (without federal funding) on two semiconductor chip factories (fabs) 52 and 62 in September 2021. CPO is not aware of any cultural resource surveys conducted previously for this site. The Proposed Project would provide funding for equipment to be installed within existing fab 42 and the two new fabs 52 and 62.

We invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. Historic properties could include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

¹ The CHIPS Incentives Program was authorized by title XCIX—Creating Helpful Incentives to Produce Semiconductors for America of the William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021 (Pub. L. 116–283, as amended by the CHIPS Act of 2022 (Division A of Pub. L. 117–167) (the “CHIPS Act”).

We would appreciate your response on whether you would like to participate as a consulting party; in identifying any historic properties, including Traditional Cultural Properties (TCPs) that may exist within the area of the Proposed Project; and, in providing any key tribal contacts. We are also inviting your concurrence or comments on the proposed Area of Potential Effects (APE) for this project pursuant to 36 CFR 800.4, as well as comments on any other aspect of the Proposed Project about which you may have interests or concerns.

Additionally, CPO will be initiating an environmental assessment under the National Environmental Policy Act (NEPA) for the Proposed Project and will provide follow-up notice to you when the public comment period on the draft environmental assessment is announced.

Please provide a written response within 30 days of receipt of this letter by email at [REDACTED]. For questions or additional information, please contact me at the email address above or by phone at (202) 309-4287.

Sincerely,

PHILLIP NEUBERG  Digitally signed by PHILLIP NEUBERG
Date: 2024.03.25 09:32:47 -04'00'

Phillip Neuberg, FAIA
NIST Federal Preservation Officer

cc: Gila River Indian Community, Tribal Historic Preservation Office
Barnaby V. Lewis, Tribal Historic Preservation Officer, Gila River Indian Community
Larry Benallie, Jr., Archaeological Compliance Specialist, Gila River Indian Community
CPO Environmental Division

Attachment(s):
(1) Project Site Location and APE

Attachment 1: Project Site Location and APE





GILA RIVER INDIAN COMMUNITY

POST OFFICE BOX 2193, SACATON, AZ 85147

TRIBAL HISTORIC PRESERVATION OFFICE

(520) 562-7162

June 3, 2024

Phillip Neuberg, FAIA
NIST Federal Preservation Officer
100 Bureau Drive
Gaithersburg, Maryland 20899

RE: Intel Ocotillo Campus Project, Chandler, Maricopa County, Arizona

Dear Federal Preservation Officer Neuberg,

The GRIC-THPO is receipt of your consultation notification dated May 31, 2024. The GRIC-THPO initially responded to this undertaking on April 26, 2024. The National Institute of Standards and Technology's (NIST) CHIPS Program Office (CPO), within the U.S. Department of Commerce, administers the CHIPS Incentives Program. The CPO has received an application for federal financial assistance from Intel, Ocotillo Arizona Campus, 4500 S. Dobson Road, Chandler, Maricopa County, Arizona. This grant would provide funding for equipment to be installed within three (3) semiconductor chip factories (fabs), fab 42, fab 52, and fab 62. The CPO has determined that this is a Federal undertaking subject to Section 106 review.

The GRIC-THPO on May 31, 2024 advised the CPO that there was not enough information to fully evaluate project affects to historic properties. The CPO has attached a Class I (records check) archaeological survey report for review and comment. There are no historic properties or archeological sites identified within the project area. No finding of project effect is presented.

The GRIC-THPO identifies no religious or culturally significant sites within the project area. We would concur with a finding of no historic properties affected. In the event of any discovery, we trust that you will contact our office. The GRIC-THPO will continue to participate in the Section 106 consultation process for this undertaking. The project occurs within the ancestral lands of the Four Southern Tribes (Gila River Indian Community; Salt River Pima-Maricopa Indian Community; Ak-Chin Indian Community and the Tohono O'Odham Nation).

Thank you for consulting with the GRIC-THPO on this project. If you have any questions please do not hesitate to contact Archaeological Compliance Specialist Larry Benallie, Jr. or me at 520-562-7163.

Respectfully,

Barnaby V. Lewis for

Barnaby V. Lewis
Tribal Historic Preservation Officer
Gila River Indian Community

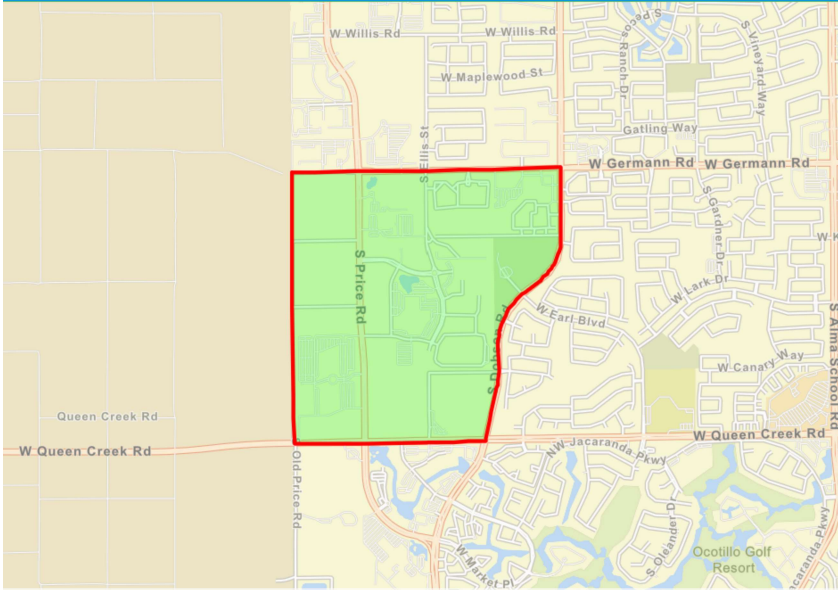
APPENDIX C: EJ SCREEN COMMUNITY REPORT

EJScreen Community Report

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

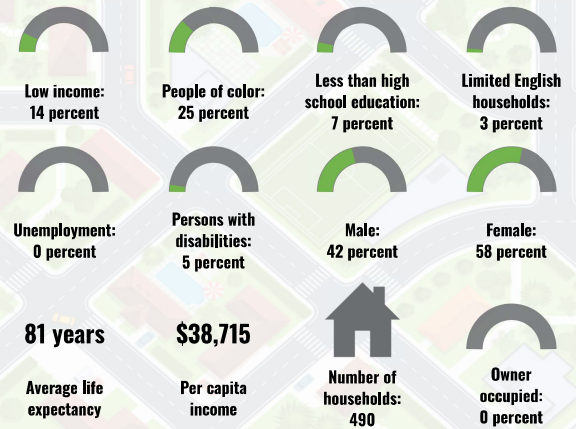
Chandler, AZ

Blockgroup: 040138122002
 Population: 1,058
 Area in square miles: 0.87

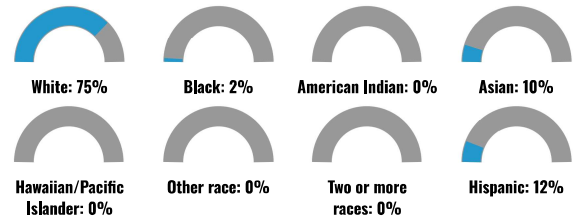


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, ... Powered by Esri

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	71%
Spanish	10%
Other Indo-European	2%
Other Asian and Pacific Island	10%
Total Non-English	29%

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.

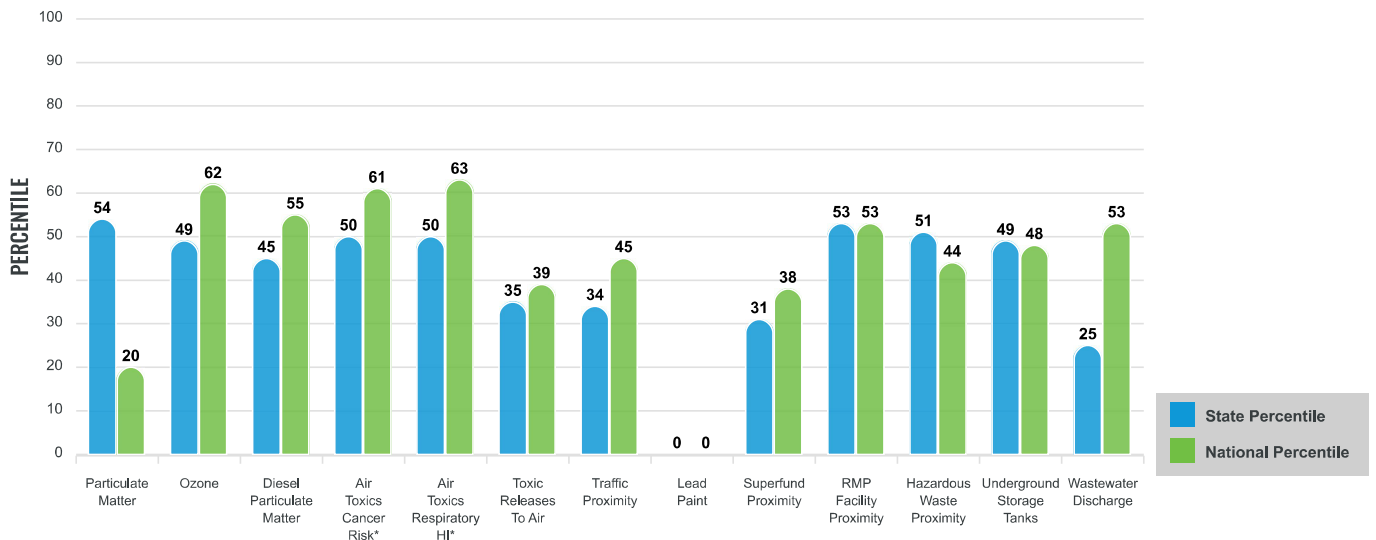
Environmental Justice & Supplemental Indexes

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.

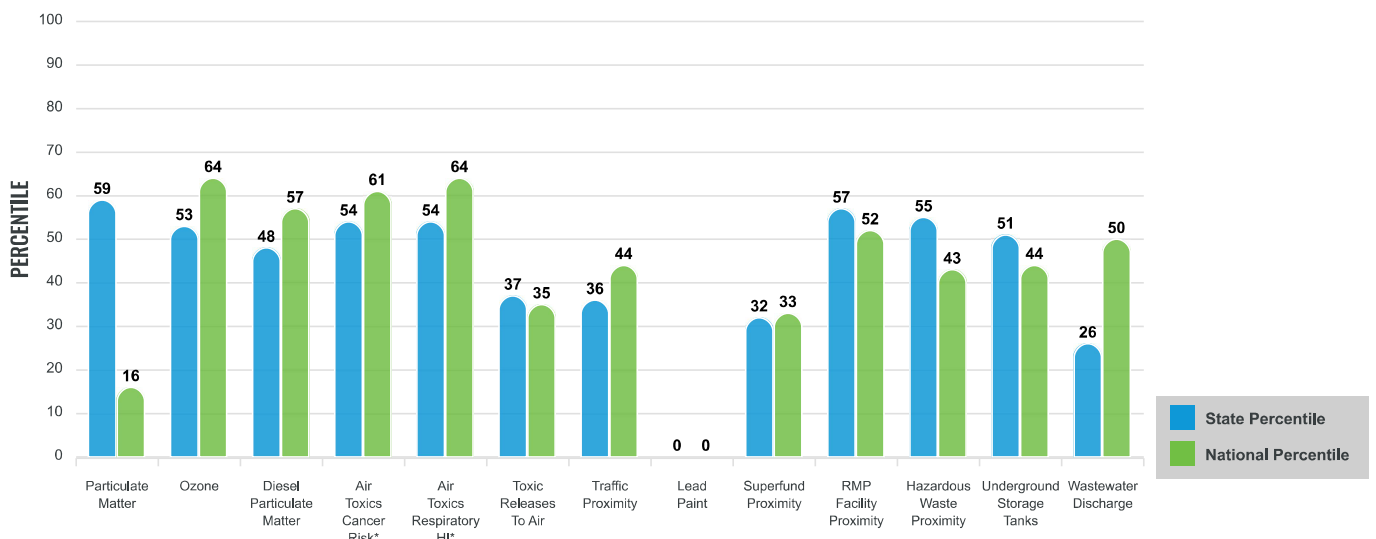
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138122002

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.93	5.87	77	8.08	19
Ozone (ppb)	69.2	66.1	69	61.6	92
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.343	0.278	59	0.261	76
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.4	0.31	54	0.31	70
Toxic Releases to Air	430	2,800	41	4,600	44
Traffic Proximity (daily traffic count/distance to road)	99	190	44	210	56
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.046	0.077	37	0.13	41
RMP Facility Proximity (facility count/km distance)	0.35	0.38	77	0.43	70
Hazardous Waste Proximity (facility count/km distance)	0.62	0.71	71	1.9	53
Underground Storage Tanks (count/km ²)	1.6	1.7	66	3.9	55
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.012	5.8	34	22	69
SOCIOECONOMIC INDICATORS					
Demographic Index	19%	38%	22	35%	30
Supplemental Demographic Index	8%	14%	25	14%	23
People of Color	25%	44%	30	39%	44
Low Income	14%	32%	23	31%	25
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	3%	4%	67	5%	69
Less Than High School Education	7%	12%	49	12%	46
Under Age 5	0%	5%	0	6%	0
Over Age 64	0%	20%	0	17%	0
Low Life Expectancy	17%	19%	20	20%	24

*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	5
Air Pollution	2
Brownfields	0
Toxic Release Inventory	1

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	Yes
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	17%	19%	20	20%	24
Heart Disease	2.7	6	3	6.1	2
Asthma	9.1	10.6	6	10	27
Cancer	4	6.1	20	6.1	11
Persons with Disabilities	4%	13.9%	1	13.4%	2

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	4%	6%	62	12%	34
Wildfire Risk	40%	48%	49	14%	85

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	5%	13%	38	14%	29
Lack of Health Insurance	7%	10%	36	9%	48
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for Blockgroup: 040138122002

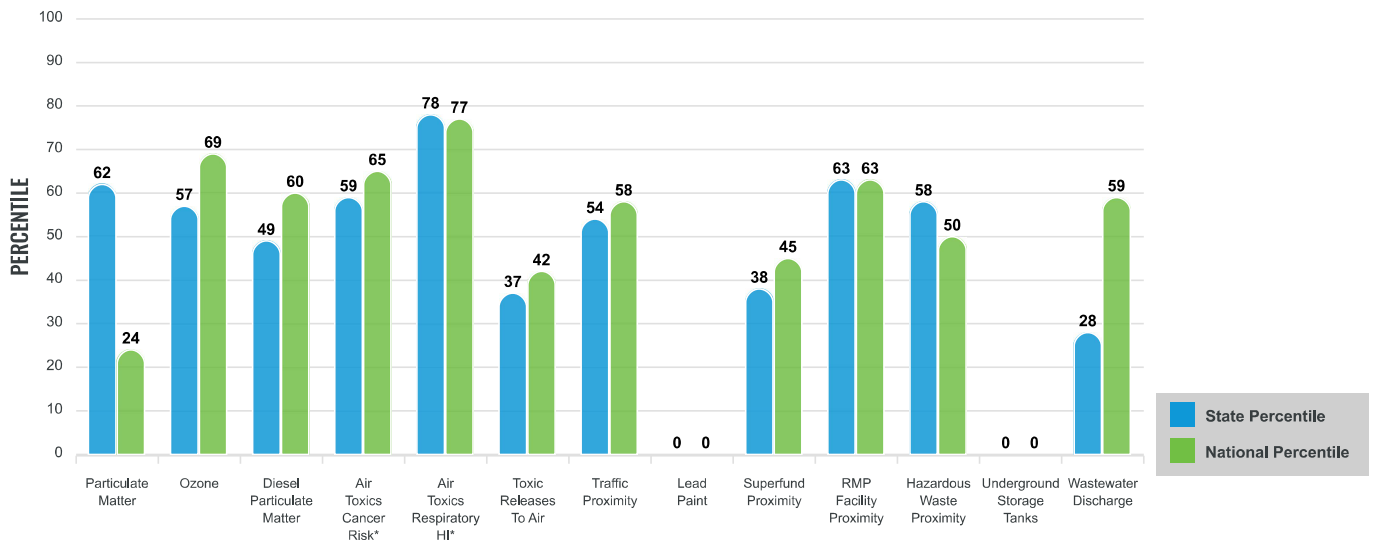
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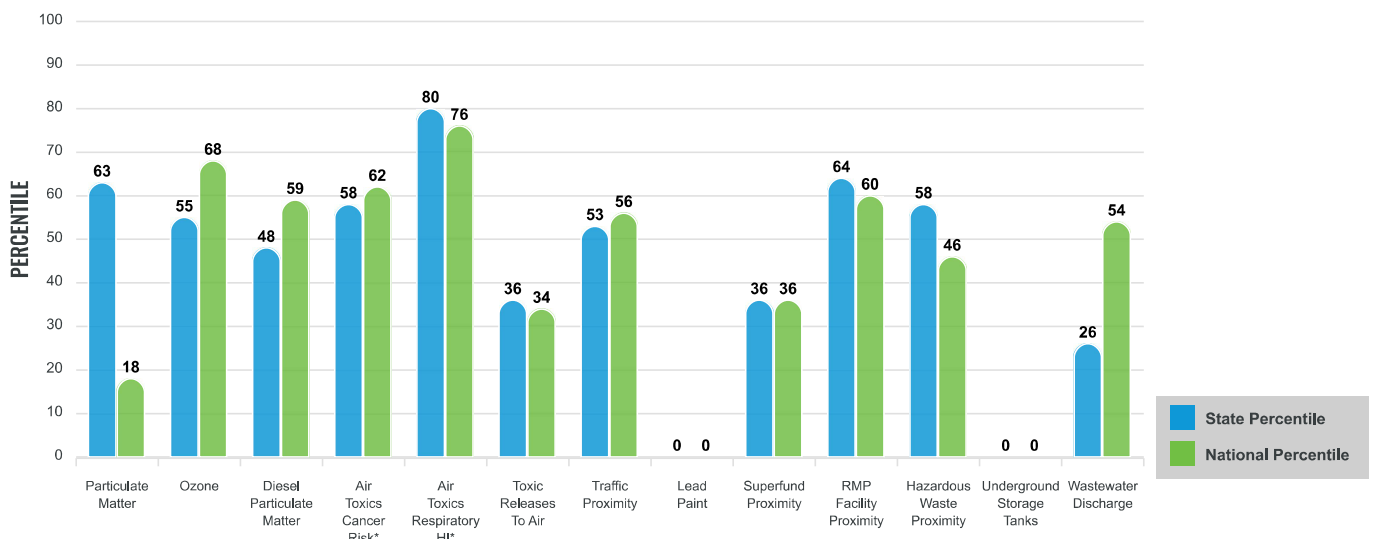
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138126001

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.93	5.87	77	8.08	19
Ozone (ppb)	69	66.1	66	61.6	91
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.321	0.278	53	0.261	72
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.5	0.31	95	0.31	92
Toxic Releases to Air	320	2,800	35	4,600	39
Traffic Proximity (daily traffic count/distance to road)	190	190	66	210	73
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.047	0.077	38	0.13	41
RMP Facility Proximity (facility count/km distance)	0.62	0.38	85	0.43	80
Hazardous Waste Proximity (facility count/km distance)	0.62	0.71	71	1.9	53
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.01	5.8	31	22	68
SOCIOECONOMIC INDICATORS					
Demographic Index	24%	38%	32	35%	40
Supplemental Demographic Index	9%	14%	30	14%	28
People of Color	29%	44%	37	39%	49
Low Income	18%	32%	33	31%	34
Unemployment Rate	9%	6%	79	6%	79
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	1%	12%	15	12%	13
Under Age 5	6%	5%	61	6%	60
Over Age 64	19%	20%	64	17%	64
Low Life Expectancy	16%	19%	12	20%	15

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	1
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	16%	19%	12	20%	15
Heart Disease	4	6	22	6.1	12
Asthma	9.3	10.6	10	10	33
Cancer	5.7	6.1	54	6.1	39
Persons with Disabilities	10.2%	13.9%	32	13.4%	33

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	1%	6%	46	12%	19
Wildfire Risk	71%	48%	54	14%	88

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	6%	13%	39	14%	30
Lack of Health Insurance	7%	10%	38	9%	50
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

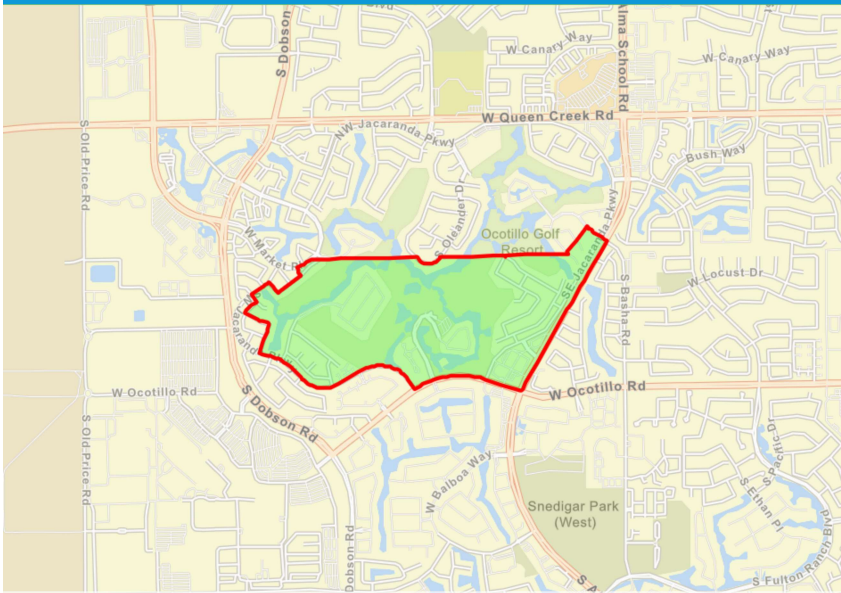
Report for Blockgroup: 040138126001

EJScreen Community Report

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

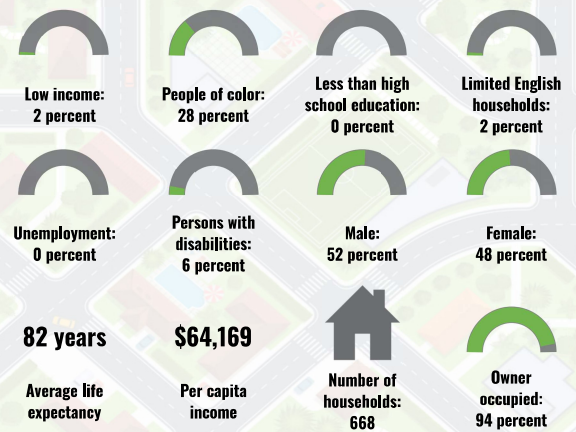
Chandler, AZ

Blockgroup: 040138126002
 Population: 1,792
 Area in square miles: 0.49

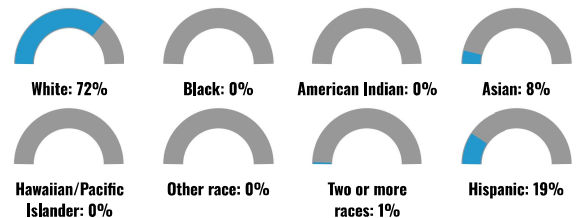


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,.... Powered by Esri

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	83%
Spanish	10%
French, Haitian, or Cajun	3%
Russian, Polish, or Other Slavic	1%
Other Indo-European	3%
Other Asian and Pacific Island	1%
Total Non-English	17%

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.

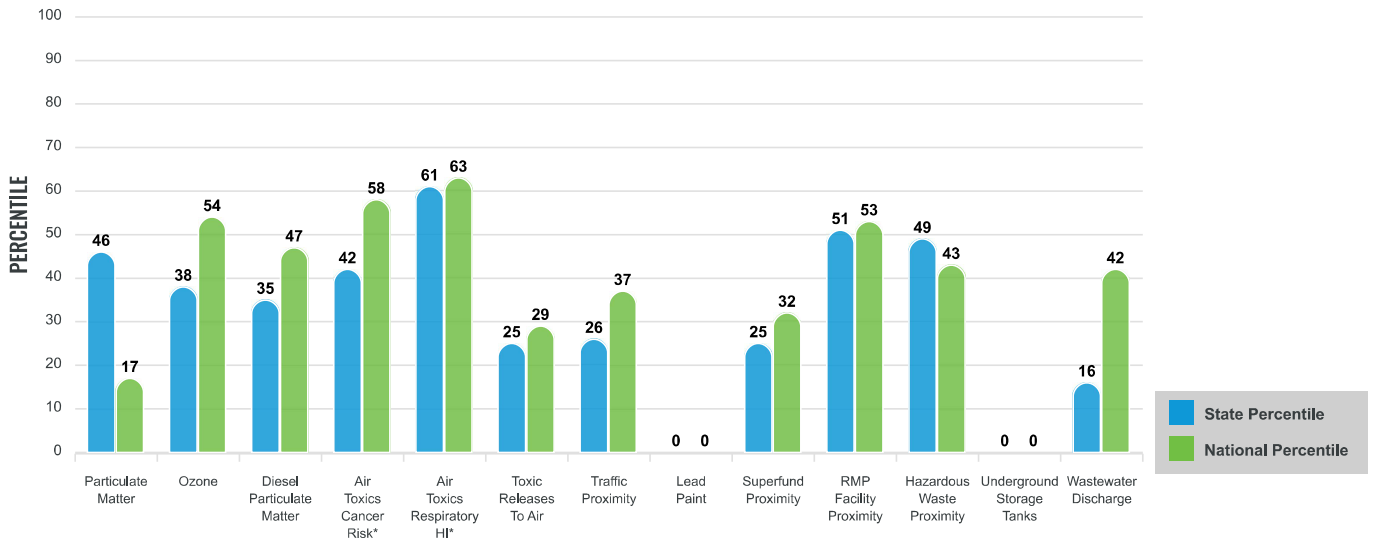
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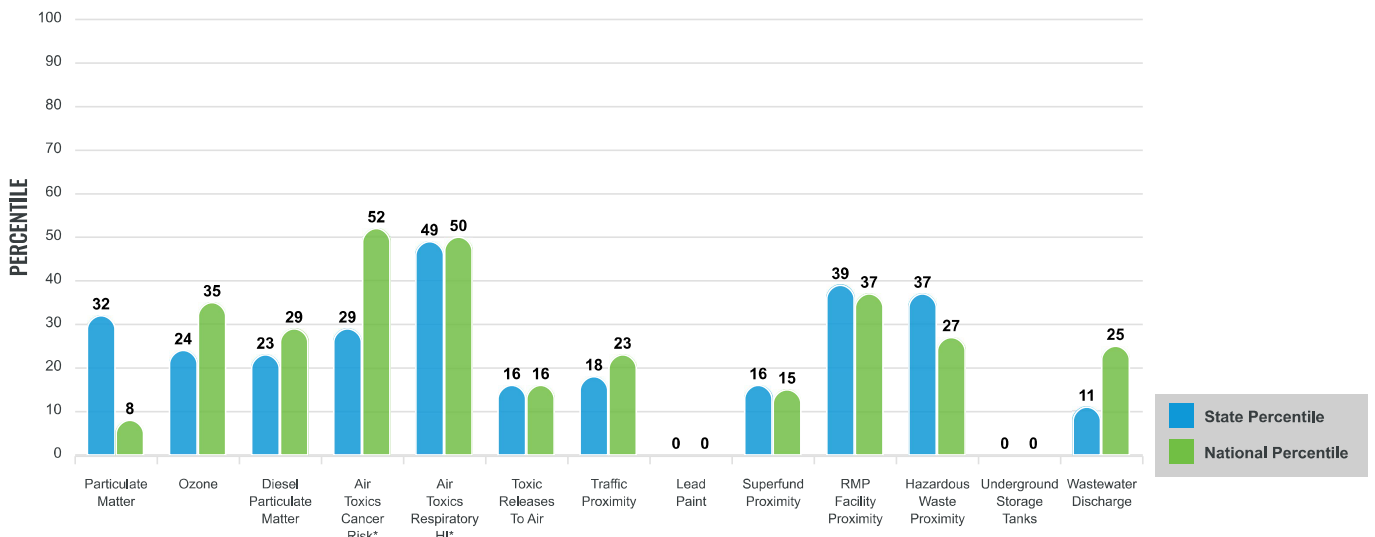
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138126002

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.93	5.87	77	8.08	19
Ozone (ppb)	69	66.1	66	61.6	91
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.321	0.278	53	0.261	72
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.5	0.31	95	0.31	92
Toxic Releases to Air	320	2,800	35	4,600	39
Traffic Proximity (daily traffic count/distance to road)	86	190	40	210	53
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.047	0.077	38	0.13	41
RMP Facility Proximity (facility count/km distance)	1.2	0.38	92	0.43	90
Hazardous Waste Proximity (facility count/km distance)	1.2	0.71	83	1.9	64
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0064	5.8	25	22	64
SOCIOECONOMIC INDICATORS					
Demographic Index	15%	38%	15	35%	21
Supplemental Demographic Index	4%	14%	3	14%	3
People of Color	28%	44%	35	39%	47
Low Income	2%	32%	3	31%	4
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	2%	4%	63	5%	66
Less Than High School Education	0%	12%	0	12%	0
Under Age 5	3%	5%	38	6%	35
Over Age 64	33%	20%	82	17%	91
Low Life Expectancy	16%	19%	12	20%	15

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	16%	19%	12	20%	15
Heart Disease	4	6	22	6.1	12
Asthma	9.3	10.6	10	10	33
Cancer	5.7	6.1	54	6.1	39
Persons with Disabilities	10.2%	13.9%	32	13.4%	33

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	1%	6%	40	12%	16
Wildfire Risk	72%	48%	54	14%	88

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	0%	13%	0	14%	0
Lack of Health Insurance	7%	10%	38	9%	50
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

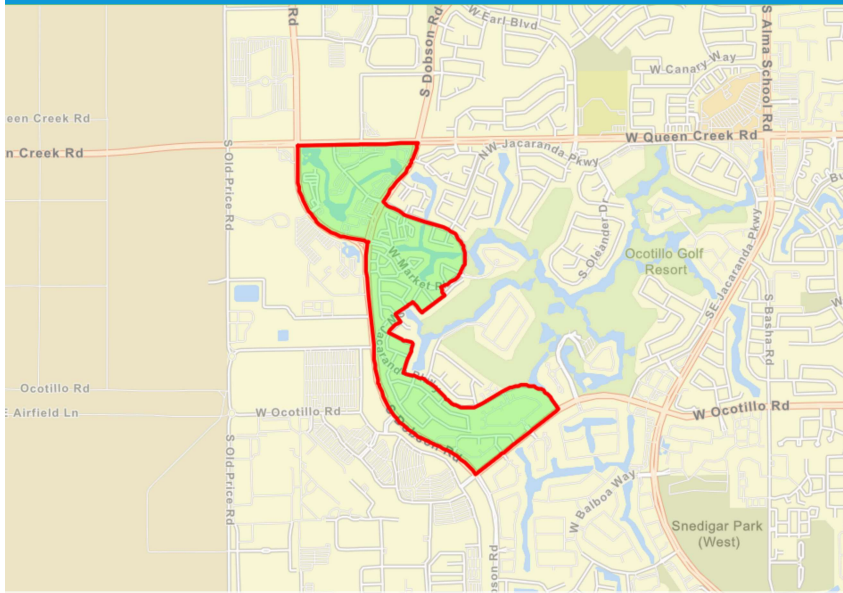
Report for Blockgroup: 040138126002

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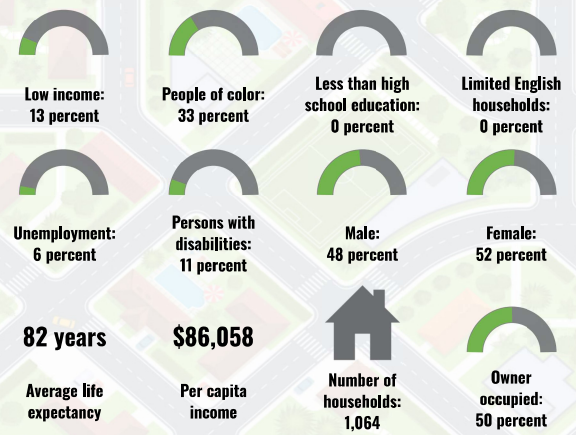
Chandler, AZ

Blockgroup: 040138126003
 Population: 2,175
 Area in square miles: 0.37

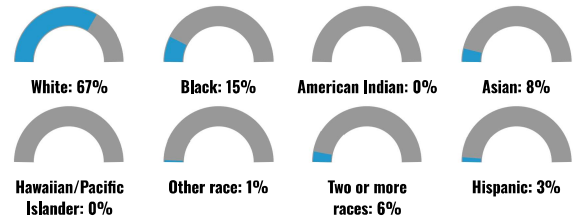


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, ... Powered by Esri

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	83%
Spanish	10%
French, Haitian, or Cajun	3%
Russian, Polish, or Other Slavic	1%
Other Indo-European	3%
Other Asian and Pacific Island	1%
Total Non-English	17%

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.

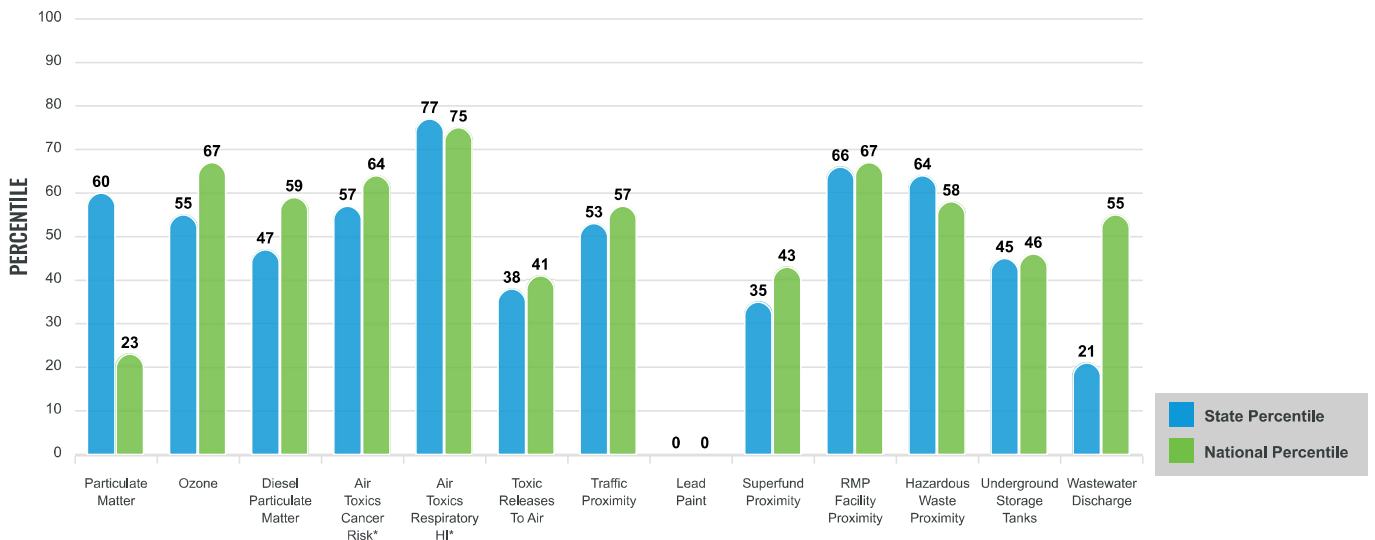
Environmental Justice & Supplemental Indexes

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.

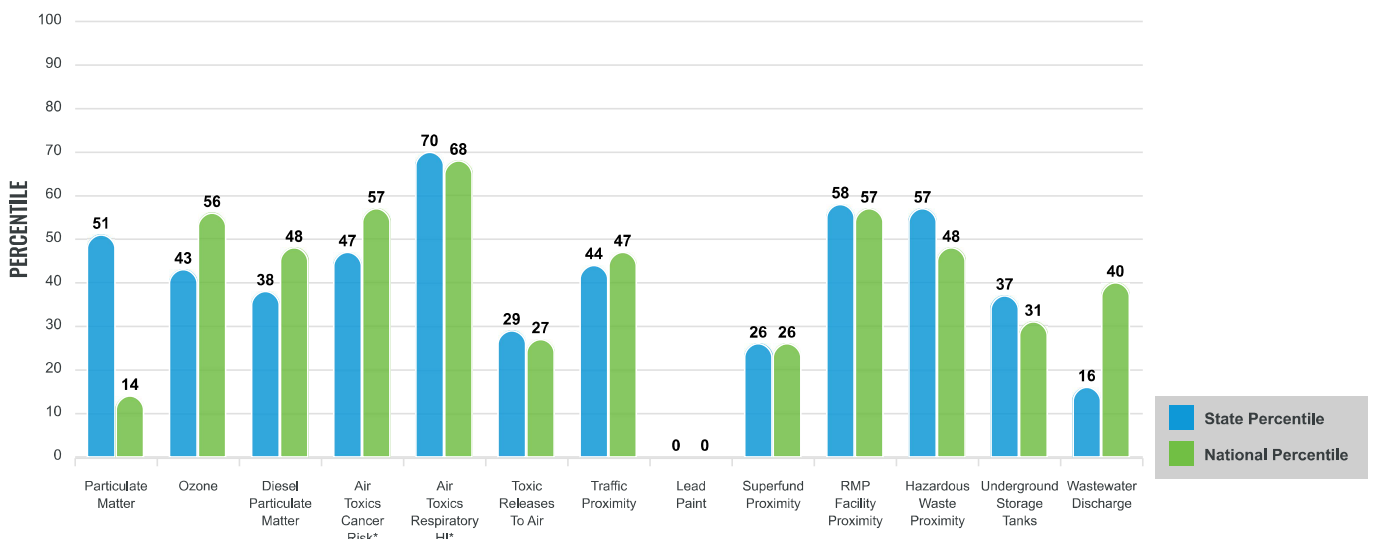
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138126003

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.93	5.87	77	8.08	19
Ozone (ppb)	69	66.1	66	61.6	91
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.321	0.278	53	0.261	72
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.5	0.31	95	0.31	92
Toxic Releases to Air	350	2,800	37	4,600	40
Traffic Proximity (daily traffic count/distance to road)	190	190	67	210	73
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.045	0.077	36	0.13	40
RMP Facility Proximity (facility count/km distance)	1.9	0.38	95	0.43	95
Hazardous Waste Proximity (facility count/km distance)	1.9	0.71	90	1.9	73
Underground Storage Tanks (count/km ²)	0.66	1.7	46	3.9	42
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0061	5.8	24	22	63
SOCIOECONOMIC INDICATORS					
Demographic Index	23%	38%	30	35%	38
Supplemental Demographic Index	7%	14%	17	14%	15
People of Color	33%	44%	42	39%	52
Low Income	13%	32%	21	31%	23
Unemployment Rate	6%	6%	61	6%	62
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	0%	12%	0	12%	0
Under Age 5	2%	5%	26	6%	22
Over Age 64	8%	20%	28	17%	20
Low Life Expectancy	16%	19%	12	20%	15

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	16%	19%	12	20%	15
Heart Disease	4	6	22	6.1	12
Asthma	9.3	10.6	10	10	33
Cancer	5.7	6.1	54	6.1	39
Persons with Disabilities	10.2%	13.9%	32	13.4%	33

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	9%	6%	79	12%	64
Wildfire Risk	96%	48%	66	14%	93

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	2%	13%	19	14%	14
Lack of Health Insurance	7%	10%	38	9%	50
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

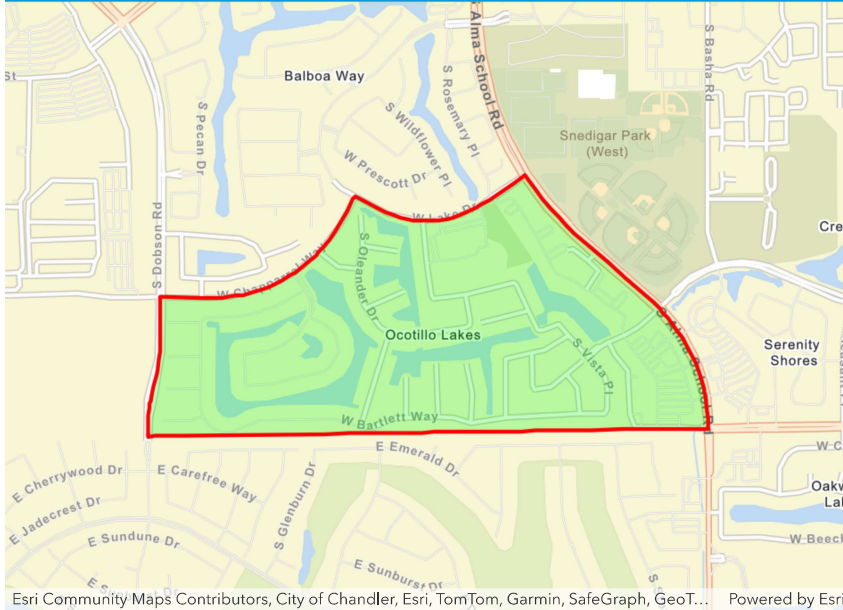
Report for Blockgroup: 040138126003

EJScreen Community Report

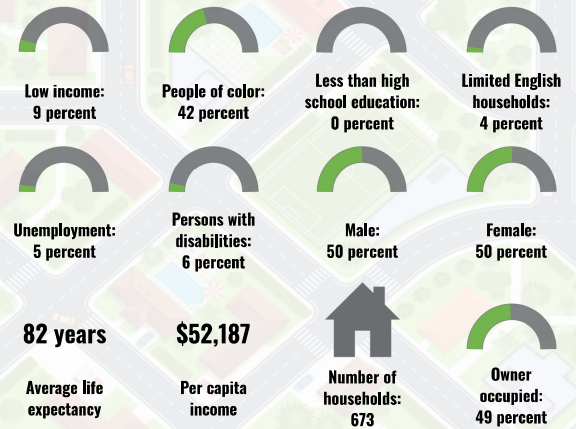
This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Chandler, AZ

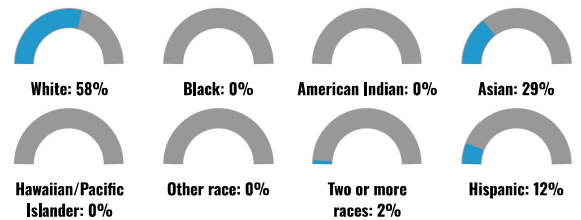
Blockgroup: 040138129001
 Population: 1,468
 Area in square miles: 0.34



COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	75%
Spanish	6%
French, Haitian, or Cajun	1%
Russian, Polish, or Other Slavic	1%
Other Indo-European	8%
Other Asian and Pacific Island	3%
Total Non-English	25%

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.

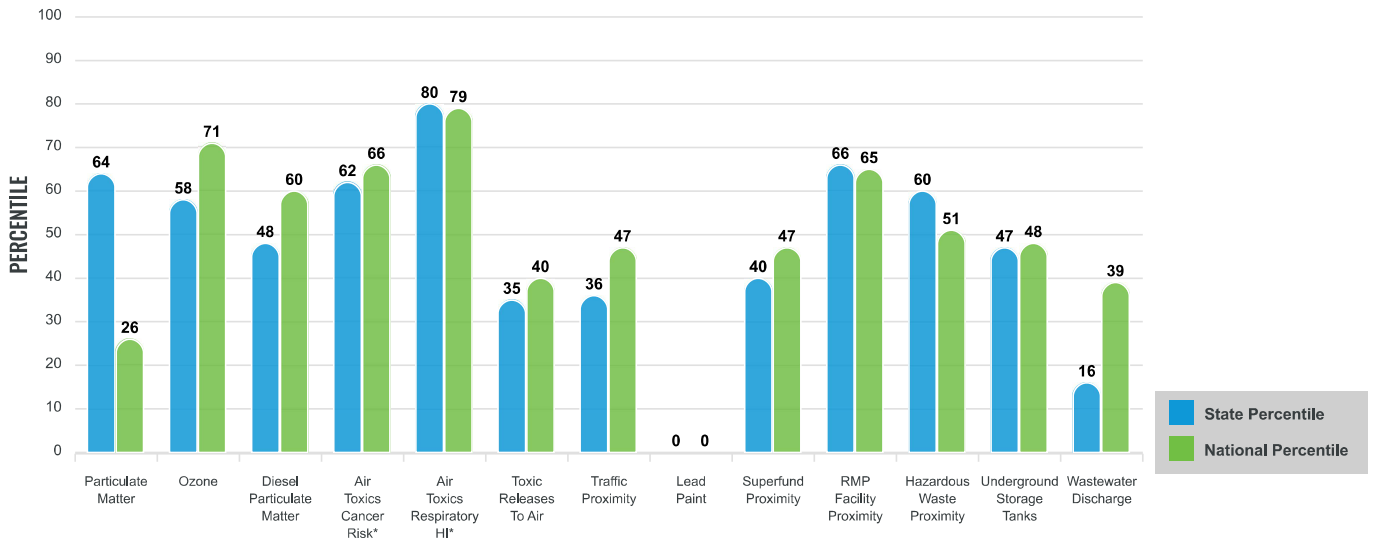
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EJ INDEXES

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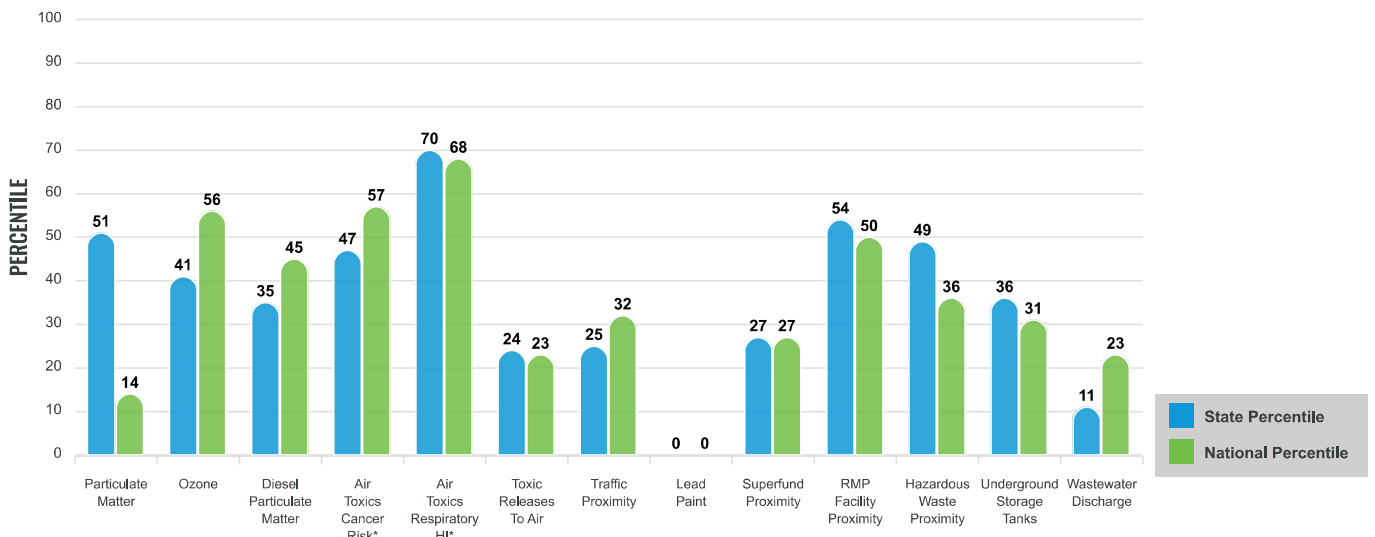
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138129001

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.94	5.87	77	8.08	19
Ozone (ppb)	68.7	66.1	63	61.6	91
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.291	0.278	48	0.261	66
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.5	0.31	95	0.31	92
Toxic Releases to Air	240	2,800	30	4,600	34
Traffic Proximity (daily traffic count/distance to road)	66	190	34	210	46
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.046	0.077	37	0.13	41
RMP Facility Proximity (facility count/km distance)	0.56	0.38	84	0.43	78
Hazardous Waste Proximity (facility count/km distance)	0.56	0.71	70	1.9	51
Underground Storage Tanks (count/km ²)	0.57	1.7	44	3.9	41
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00018	5.8	15	22	34
SOCIOECONOMIC INDICATORS					
Demographic Index	26%	38%	36	35%	44
Supplemental Demographic Index	7%	14%	17	14%	15
People of Color	42%	44%	54	39%	60
Low Income	9%	32%	15	31%	17
Unemployment Rate	5%	6%	57	6%	58
Limited English Speaking Households	4%	4%	70	5%	71
Less Than High School Education	0%	12%	0	12%	0
Under Age 5	2%	5%	24	6%	20
Over Age 64	19%	20%	64	17%	65
Low Life Expectancy	16%	19%	13	20%	16

*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	1
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	1
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	16%	19%	13	20%	16
Heart Disease	3.6	6	15	6.1	7
Asthma	9.1	10.6	6	10	27
Cancer	5.2	6.1	45	6.1	29
Persons with Disabilities	5.8%	13.9%	6	13.4%	7

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	1%	6%	41	12%	17
Wildfire Risk	75%	48%	55	14%	88

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	2%	13%	21	14%	16
Lack of Health Insurance	1%	10%	5	9%	6
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for Blockgroup: 040138129001

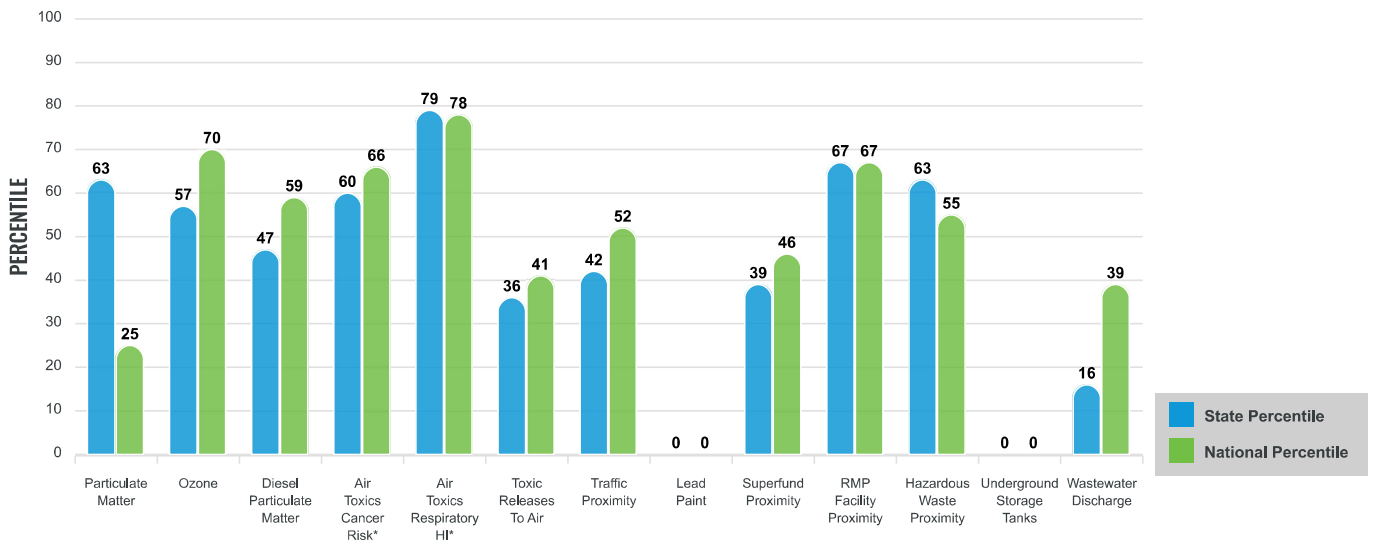
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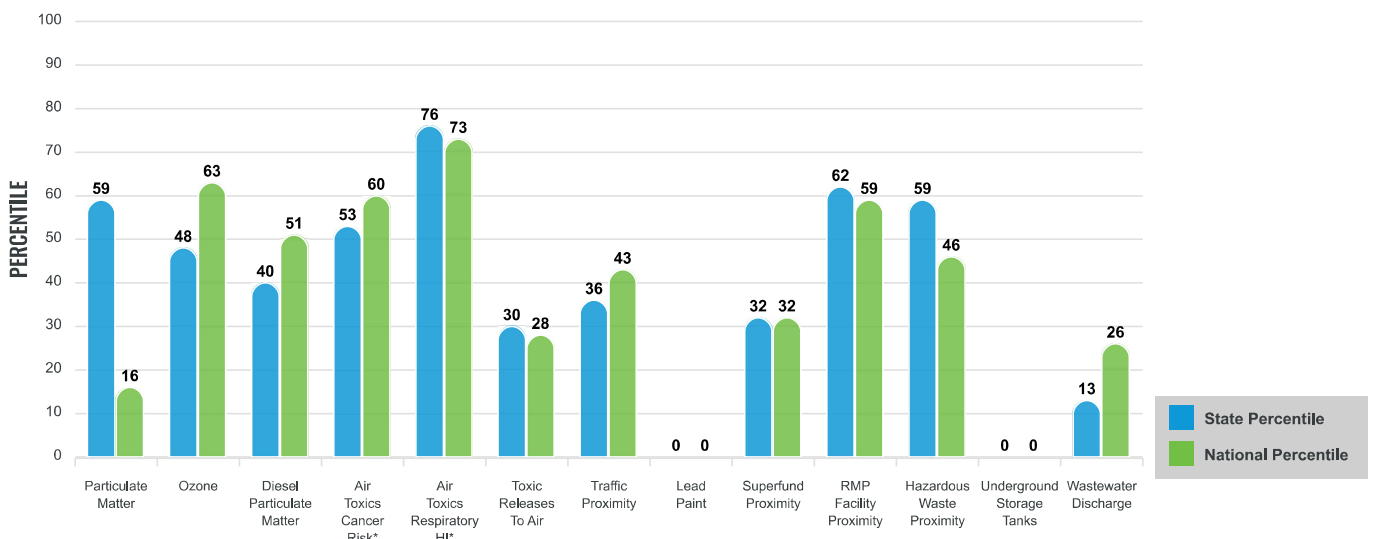
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138129002

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.94	5.87	77	8.08	19
Ozone (ppb)	68.7	66.1	63	61.6	91
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.291	0.278	48	0.261	66
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.5	0.31	95	0.31	92
Toxic Releases to Air	260	2,800	32	4,600	36
Traffic Proximity (daily traffic count/distance to road)	97	190	44	210	56
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.046	0.077	37	0.13	41
RMP Facility Proximity (facility count/km distance)	0.94	0.38	90	0.43	87
Hazardous Waste Proximity (facility count/km distance)	0.94	0.71	80	1.9	60
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00017	5.8	15	22	34
SOCIOECONOMIC INDICATORS					
Demographic Index	25%	38%	34	35%	42
Supplemental Demographic Index	8%	14%	25	14%	22
People of Color	35%	44%	45	39%	54
Low Income	15%	32%	25	31%	27
Unemployment Rate	4%	6%	48	6%	49
Limited English Speaking Households	3%	4%	65	5%	67
Less Than High School Education	3%	12%	27	12%	23
Under Age 5	2%	5%	24	6%	20
Over Age 64	13%	20%	46	17%	39
Low Life Expectancy	16%	19%	13	20%	16

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	16%	19%	13	20%	16
Heart Disease	3.6	6	15	6.1	7
Asthma	9.1	10.6	6	10	27
Cancer	5.2	6.1	45	6.1	29
Persons with Disabilities	5.8%	13.9%	6	13.4%	7

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	1%	6%	39	12%	16
Wildfire Risk	100%	48%	86	14%	97

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	0%	13%	0	14%	0
Lack of Health Insurance	1%	10%	4	9%	6
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

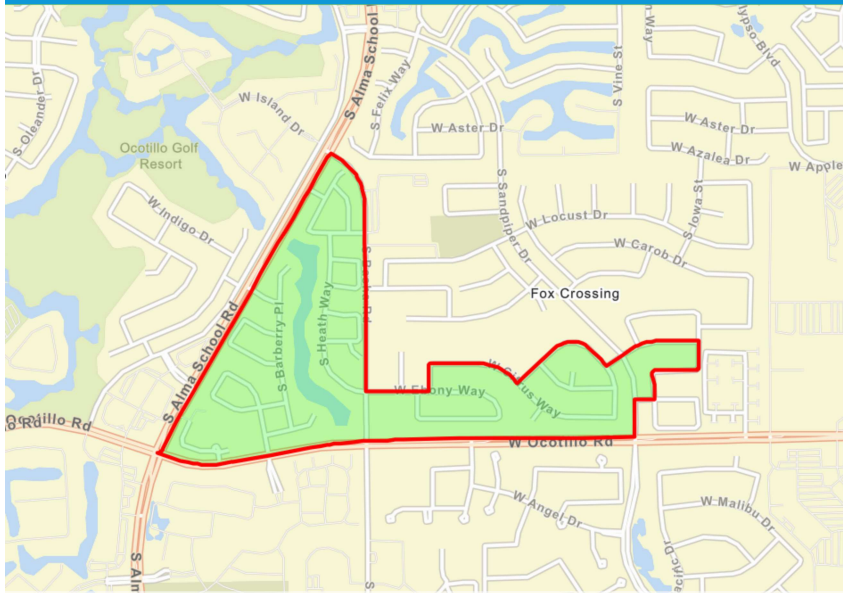
Report for Blockgroup: 040138129002

EJScreen Community Report

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

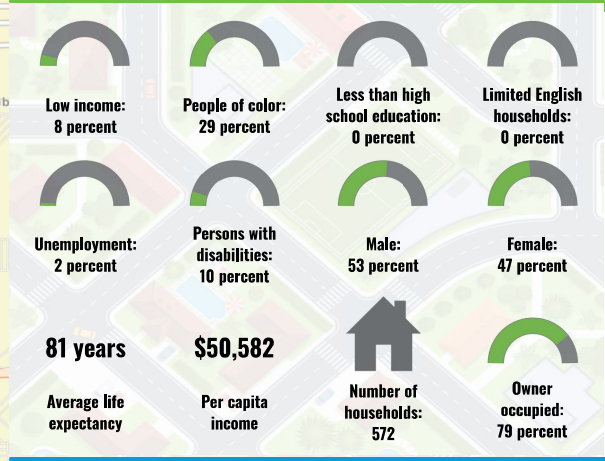
Chandler, AZ

Blockgroup: 040138127001
 Population: 1,273
 Area in square miles: 0.2

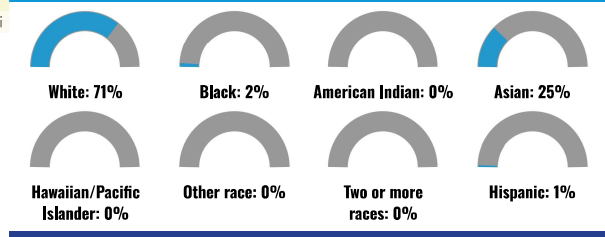


Esri Community Maps Contributors, City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoT... Powered by Esri

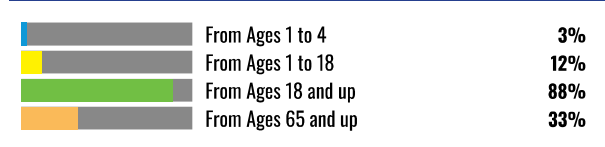
COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	75%
Spanish	9%
Russian, Polish, or Other Slavic	1%
Other Indo-European	2%
Other Asian and Pacific Island	3%
Total Non-English	25%

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.

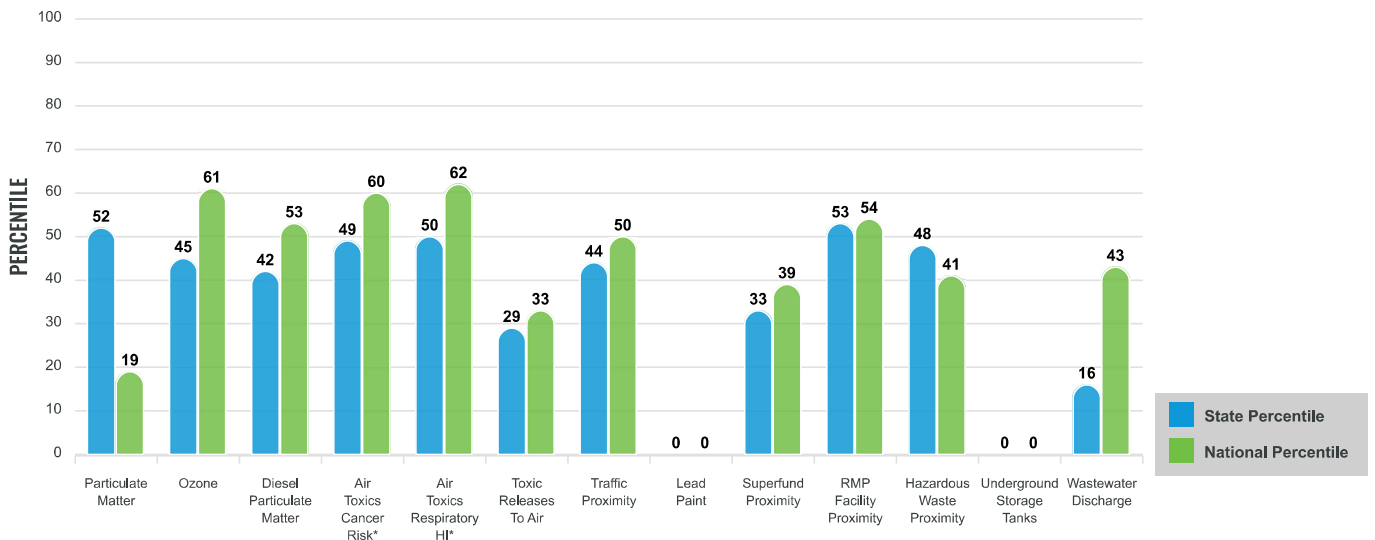
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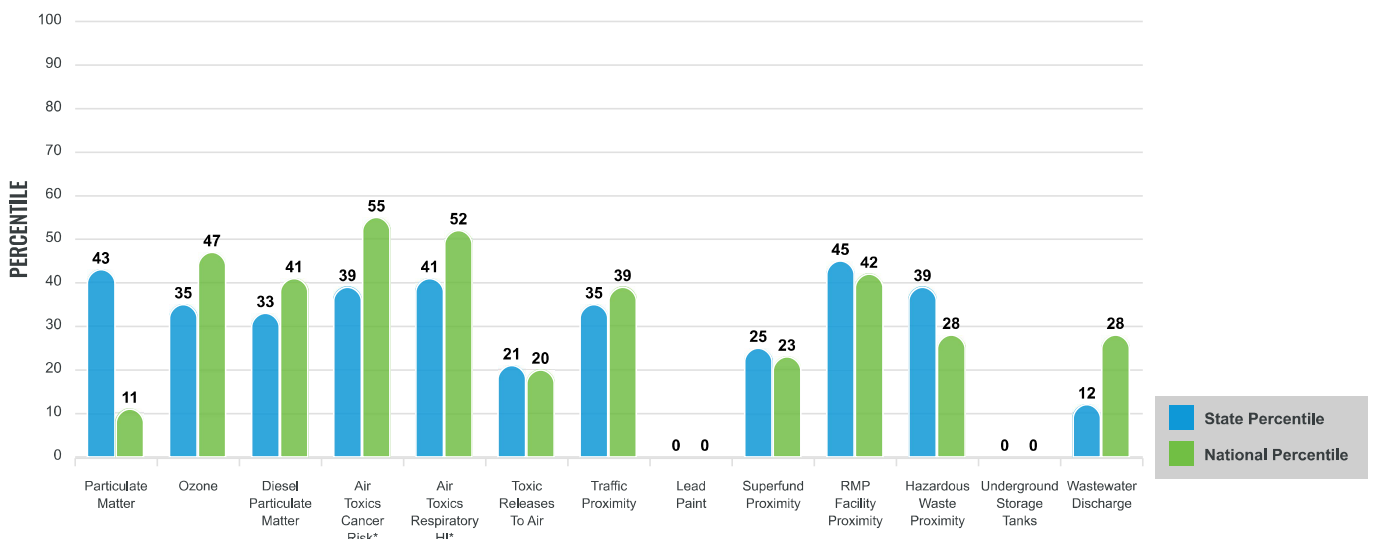
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

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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 Blockgroup: 040138127001

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.88	5.87	76	8.08	18
Ozone (ppb)	69.1	66.1	66	61.6	91
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.328	0.278	55	0.261	73
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.4	0.31	54	0.31	70
Toxic Releases to Air	280	2,800	33	4,600	37
Traffic Proximity (daily traffic count/distance to road)	170	190	62	210	71
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.049	0.077	41	0.13	43
RMP Facility Proximity (facility count/km distance)	0.46	0.38	80	0.43	75
Hazardous Waste Proximity (facility count/km distance)	0.46	0.71	66	1.9	48
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0017	5.8	20	22	53
SOCIOECONOMIC INDICATORS					
Demographic Index	19%	38%	21	35%	29
Supplemental Demographic Index	6%	14%	9	14%	8
People of Color	29%	44%	36	39%	48
Low Income	8%	32%	12	31%	14
Unemployment Rate	2%	6%	37	6%	37
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	0%	12%	0	12%	0
Under Age 5	3%	5%	34	6%	31
Over Age 64	33%	20%	82	17%	92
Low Life Expectancy	17%	19%	22	20%	26

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

Report for Blockgroup: 040138127001

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	17%	19%	22	20%	26
Heart Disease	3.2	6	8	6.1	4
Asthma	8.7	10.6	1	10	17
Cancer	4.8	6.1	37	6.1	22
Persons with Disabilities	9.6%	13.9%	28	13.4%	29

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	13%	6%	85	12%	75
Wildfire Risk	0%	48%	0	14%	0

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	3%	13%	25	14%	19
Lack of Health Insurance	3%	10%	14	9%	18
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

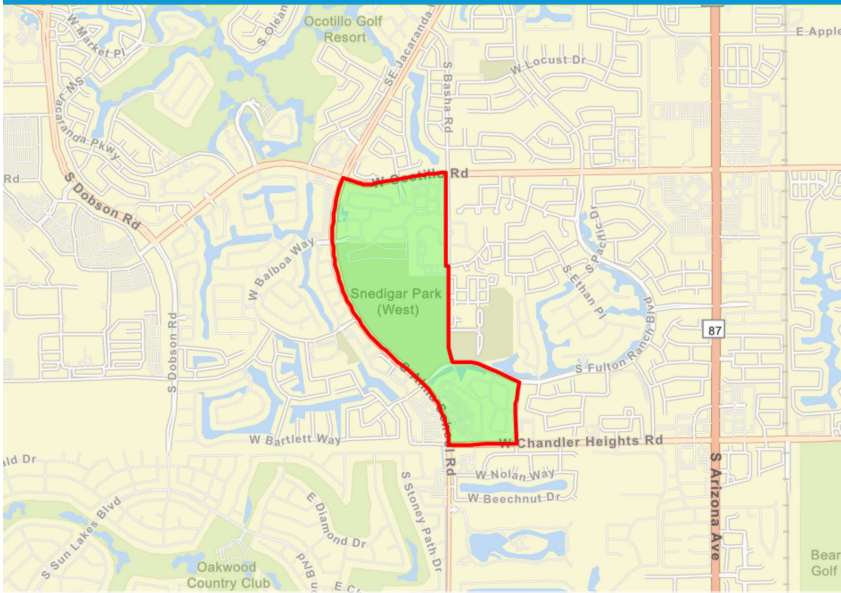
Report for Blockgroup: 040138127001

EJScreen Community Report

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

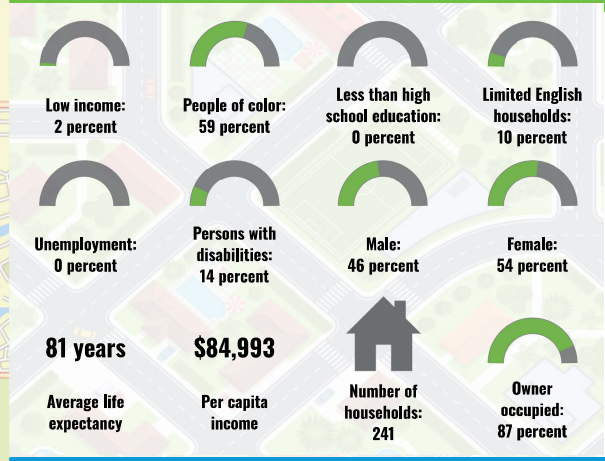
Chandler, AZ

Blockgroup: 040138130004
 Population: 814
 Area in square miles: 0.34

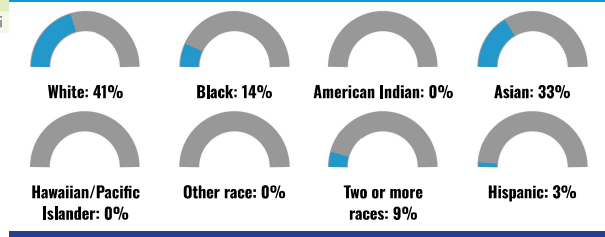


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS,.... Powered by Esri

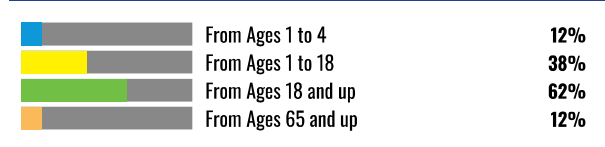
COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	74%
Spanish	2%
French, Haitian, or Cajun	1%
Other Indo-European	11%
Vietnamese	1%
Other Asian and Pacific Island	4%
Other and Unspecified	1%
Total Non-English	26%

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.

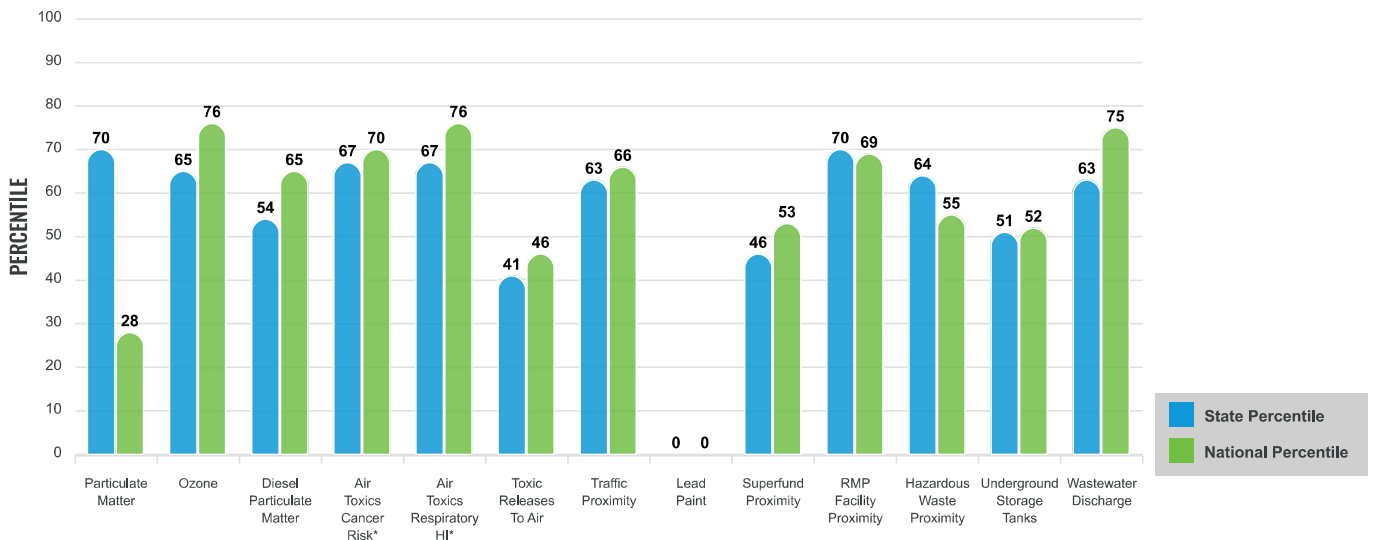
Environmental Justice & Supplemental Indexes

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EJ INDEXES

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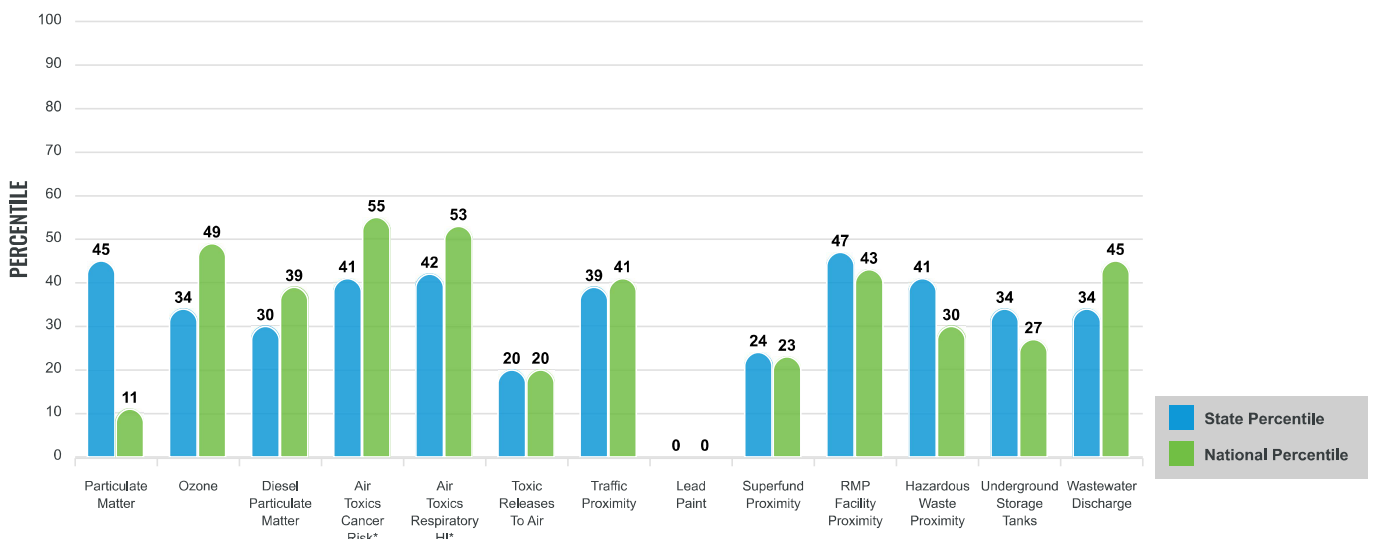
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138130004

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.9	5.87	77	8.08	18
Ozone (ppb)	68.7	66.1	62	61.6	91
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.291	0.278	48	0.261	66
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.4	0.31	54	0.31	70
Toxic Releases to Air	250	2,800	31	4,600	35
Traffic Proximity (daily traffic count/distance to road)	190	190	66	210	73
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.048	0.077	39	0.13	42
RMP Facility Proximity (facility count/km distance)	0.5	0.38	82	0.43	76
Hazardous Waste Proximity (facility count/km distance)	0.5	0.71	67	1.9	49
Underground Storage Tanks (count/km ²)	0.54	1.7	44	3.9	40
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.21	5.8	64	22	85
SOCIOECONOMIC INDICATORS					
Demographic Index	31%	38%	46	35%	52
Supplemental Demographic Index	6%	14%	10	14%	9
People of Color	59%	44%	71	39%	72
Low Income	2%	32%	3	31%	4
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	10%	4%	86	5%	85
Less Than High School Education	0%	12%	0	12%	0
Under Age 5	12%	5%	91	6%	91
Over Age 64	12%	20%	44	17%	36
Low Life Expectancy	17%	19%	19	20%	23

*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	13
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	17%	19%	19	20%	23
Heart Disease	8.2	6	83	6.1	86
Asthma	8.7	10.6	1	10	17
Cancer	11.1	6.1	94	6.1	99
Persons with Disabilities	12.4%	13.9%	49	13.4%	49

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	7%	6%	74	12%	54
Wildfire Risk	40%	48%	49	14%	85

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	0%	13%	0	14%	0
Lack of Health Insurance	2%	10%	9	9%	12
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

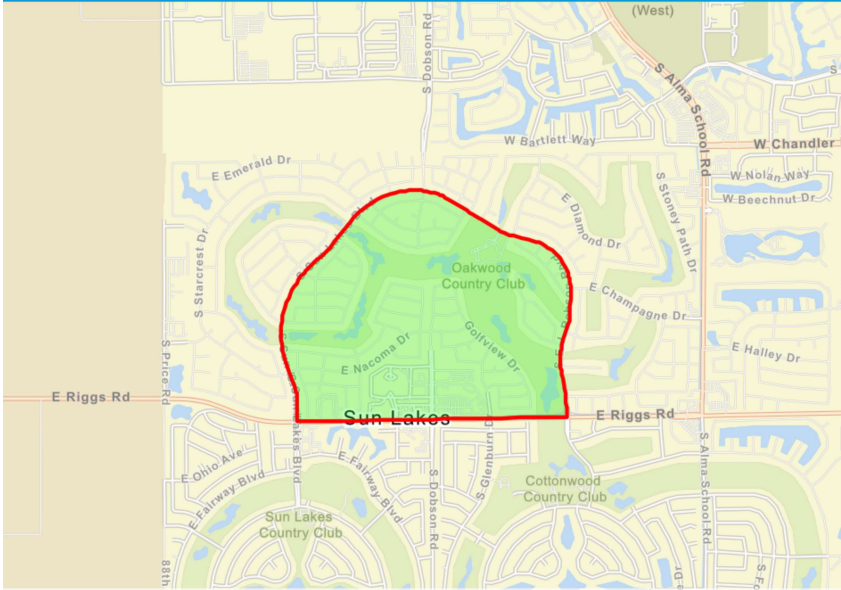
Report for Blockgroup: 040138130004

EJScreen Community Report

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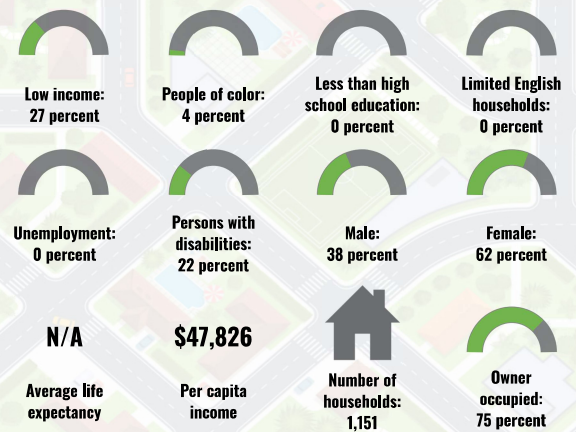
Sun Lakes, AZ

Blockgroup: 040138173001
 Population: 1,848
 Area in square miles: 0.74

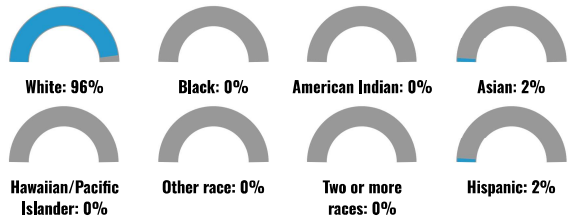


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, ... Powered by Esri

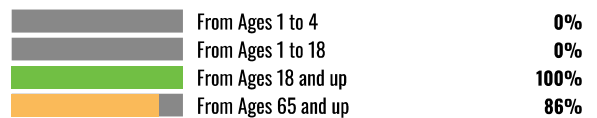
COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	96%
Spanish	2%
Russian, Polish, or Other Slavic	1%
Total Non-English	4%

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.

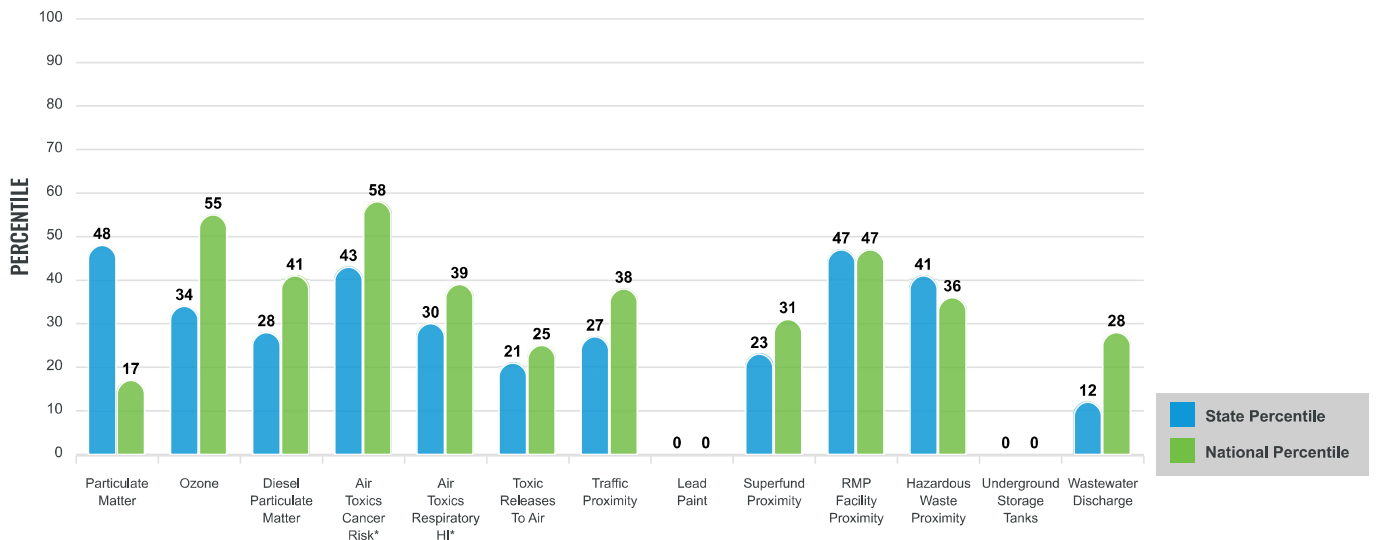
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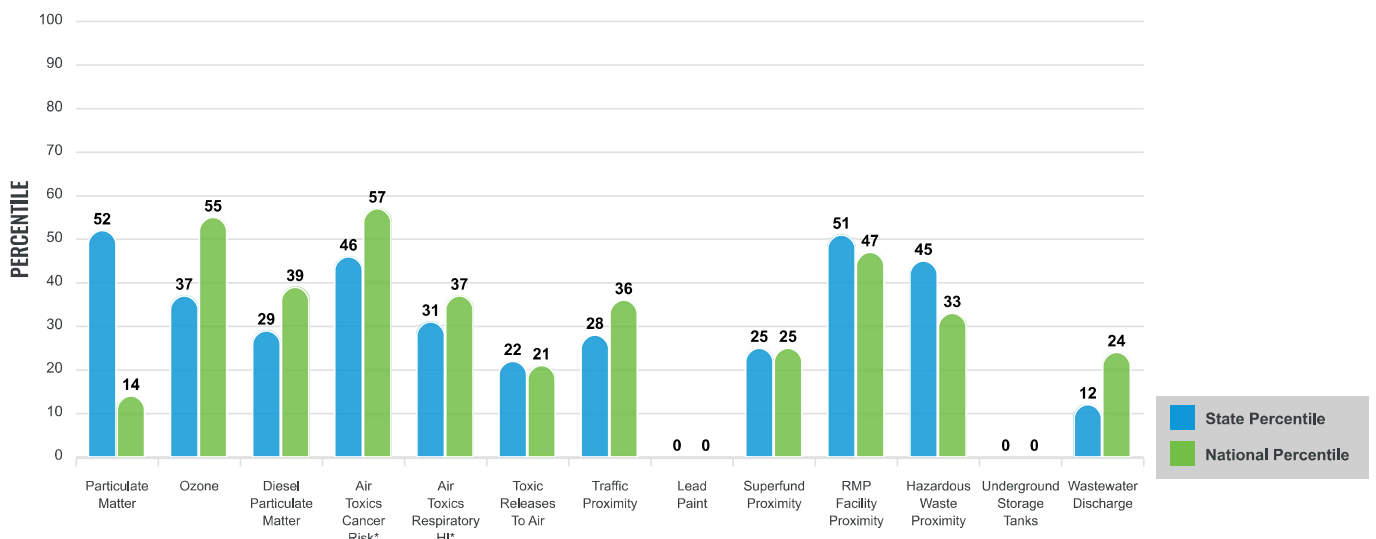
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138173001

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.97	5.87	79	8.08	19
Ozone (ppb)	68.4	66.1	58	61.6	90
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.245	0.278	40	0.261	56
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.3	0.31	30	0.31	31
Toxic Releases to Air	210	2,800	28	4,600	32
Traffic Proximity (daily traffic count/distance to road)	86	190	40	210	53
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.043	0.077	34	0.13	39
RMP Facility Proximity (facility count/km distance)	0.39	0.38	78	0.43	72
Hazardous Waste Proximity (facility count/km distance)	0.39	0.71	63	1.9	46
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00023	5.8	16	22	36
SOCIOECONOMIC INDICATORS					
Demographic Index	15%	38%	15	35%	22
Supplemental Demographic Index	7%	14%	16	14%	15
People of Color	4%	44%	4	39%	10
Low Income	27%	32%	48	31%	50
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	0%	12%	0	12%	0
Under Age 5	0%	5%	0	6%	0
Over Age 64	86%	20%	98	17%	99
Low Life Expectancy	N/A	19%	N/A	20%	N/A

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	2

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	11	6	94	6.1	98
Asthma	8.6	10.6	0	10	15
Cancer	14.9	6.1	97	6.1	99
Persons with Disabilities	20.4%	13.9%	83	13.4%	87

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	0%	6%	0	12%	0
Wildfire Risk	7%	48%	44	14%	81

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	22%	13%	80	14%	77
Lack of Health Insurance	0%	10%	2	9%	2
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

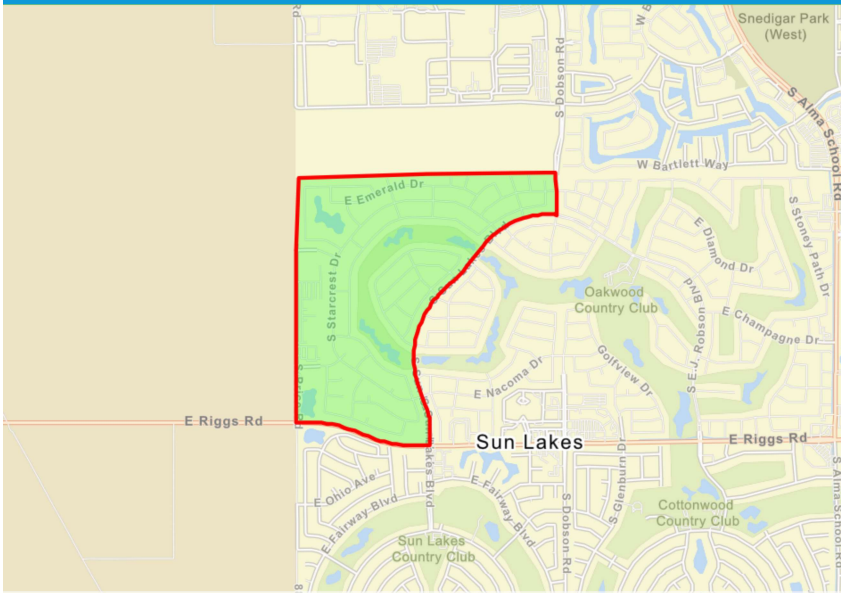
Report for Blockgroup: 040138173001

EJScreen Community Report

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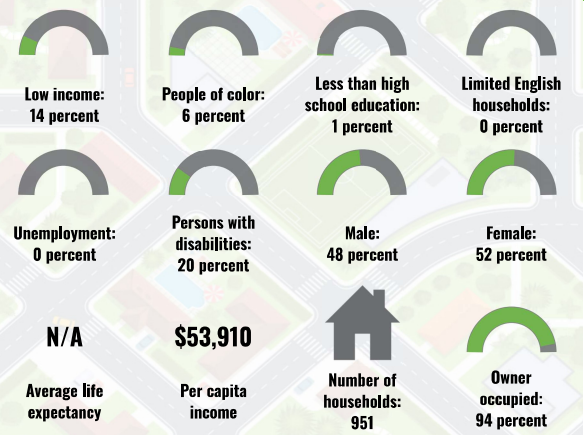
Sun Lakes, AZ

Blockgroup: 040138173002
 Population: 1,559
 Area in square miles: 0.59

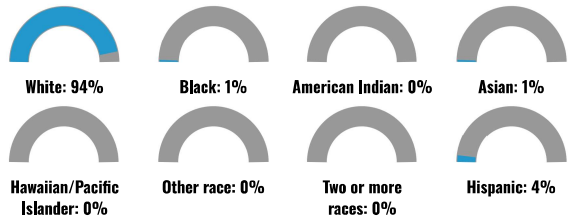


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc. METI/NASA, USGS, ... Powered by Esri

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	96%
Spanish	2%
Russian, Polish, or Other Slavic	1%
Total Non-English	4%

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.

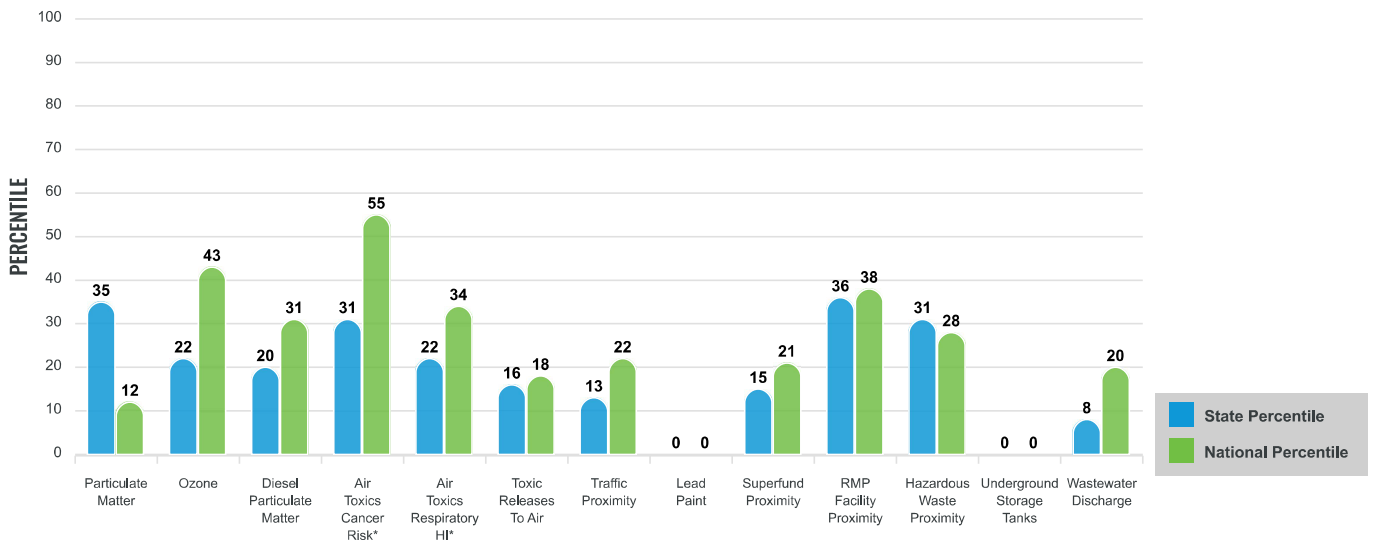
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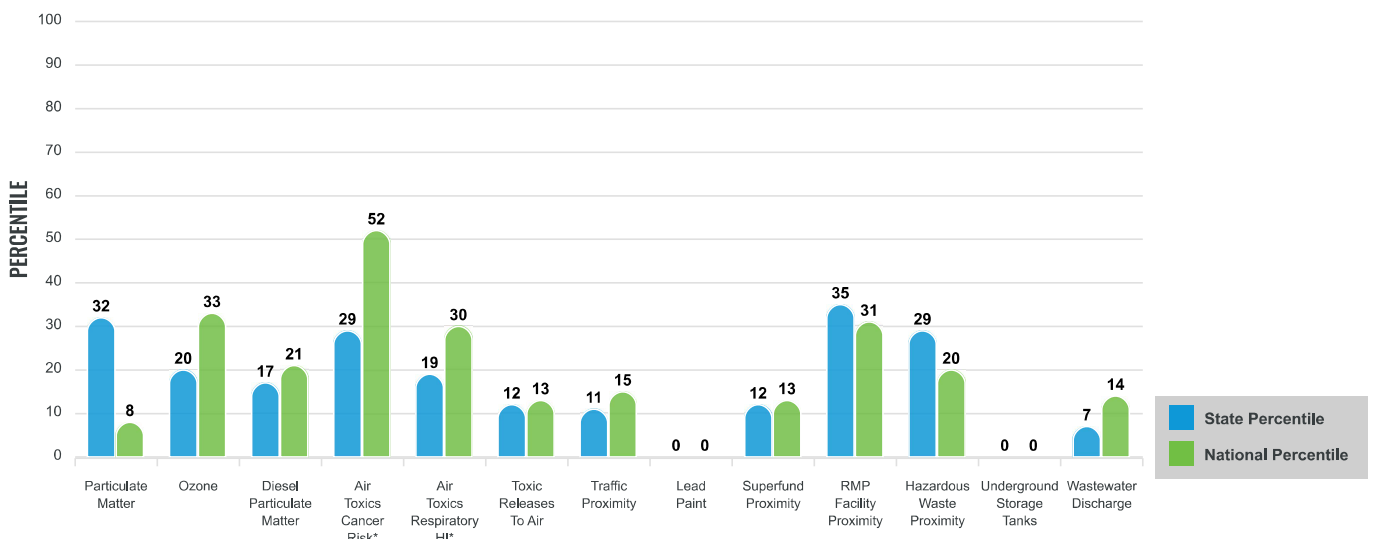
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138173002

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.97	5.87	79	8.08	19
Ozone (ppb)	68.4	66.1	58	61.6	90
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.245	0.278	40	0.261	56
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.3	0.31	30	0.31	31
Toxic Releases to Air	240	2,800	30	4,600	34
Traffic Proximity (daily traffic count/distance to road)	44	190	26	210	37
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.043	0.077	33	0.13	38
RMP Facility Proximity (facility count/km distance)	0.49	0.38	81	0.43	76
Hazardous Waste Proximity (facility count/km distance)	0.49	0.71	67	1.9	49
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00022	5.8	16	22	36
SOCIOECONOMIC INDICATORS					
Demographic Index	10%	38%	6	35%	10
Supplemental Demographic Index	4%	14%	3	14%	2
People of Color	6%	44%	6	39%	15
Low Income	14%	32%	25	31%	26
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	1%	12%	15	12%	13
Under Age 5	0%	5%	0	6%	0
Over Age 64	77%	20%	96	17%	99
Low Life Expectancy	N/A	19%	N/A	20%	N/A

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	Yes
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	11	6	94	6.1	98
Asthma	8.6	10.6	0	10	15
Cancer	14.9	6.1	97	6.1	99
Persons with Disabilities	20.4%	13.9%	83	13.4%	87

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	0%	6%	0	12%	0
Wildfire Risk	96%	48%	66	14%	93

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	9%	13%	52	14%	43
Lack of Health Insurance	0%	10%	2	9%	2
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for Blockgroup: 040138173002

EJScreen Community Report

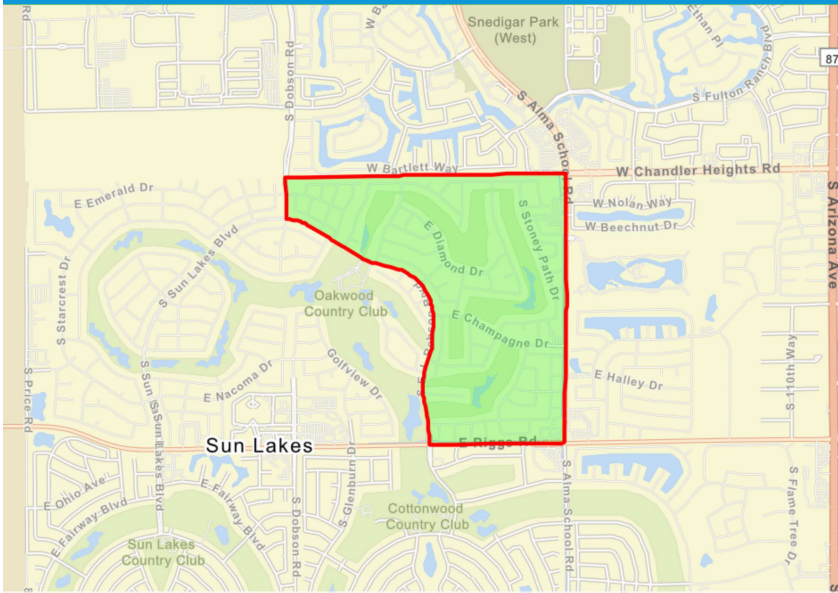
This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Sun Lakes, AZ

Blockgroup: 040138173003

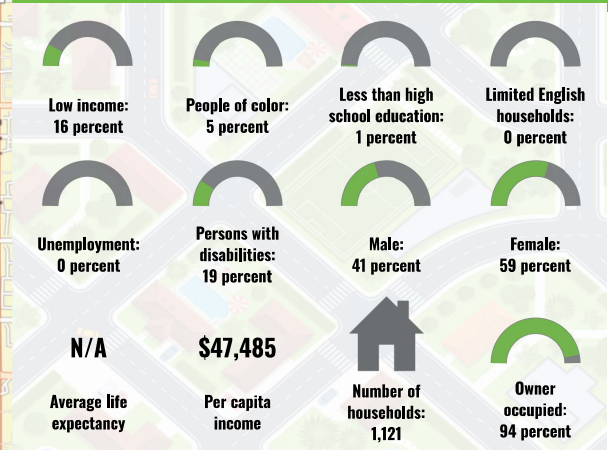
Population: 1,862

Area in square miles: 0.66

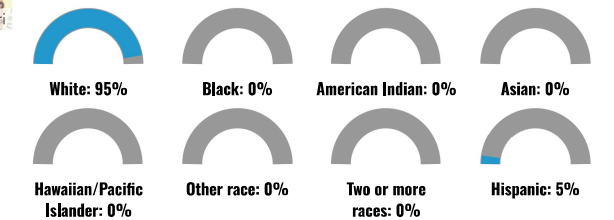


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc. METI/NASA, USGS, ... Powered by Esri

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	96%
Spanish	2%
Russian, Polish, or Other Slavic	1%
Total Non-English	4%

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.

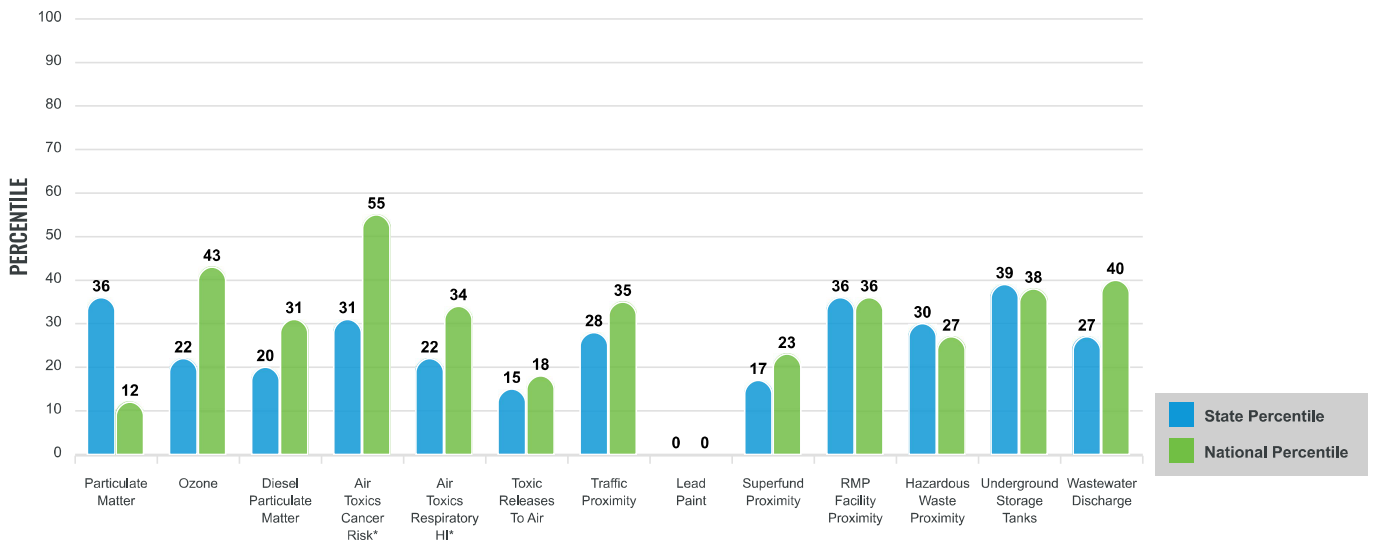
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EJ INDEXES

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.

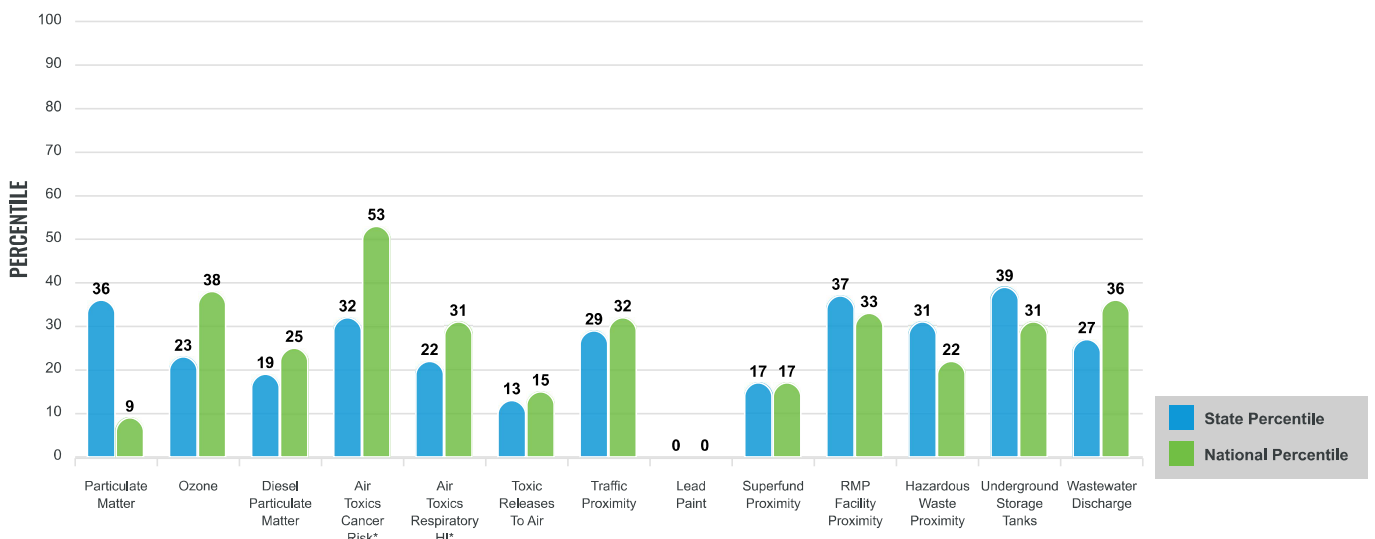
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138173003

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	6.97	5.87	79	8.08	19
Ozone (ppb)	68.4	66.1	58	61.6	90
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.245	0.278	40	0.261	56
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.3	0.31	30	0.31	31
Toxic Releases to Air	220	2,800	28	4,600	33
Traffic Proximity (daily traffic count/distance to road)	170	190	62	210	70
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.046	0.077	37	0.13	41
RMP Facility Proximity (facility count/km distance)	0.39	0.38	78	0.43	72
Hazardous Waste Proximity (facility count/km distance)	0.39	0.71	63	1.9	46
Underground Storage Tanks (count/km ²)	2.5	1.7	77	3.9	63
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.25	5.8	66	22	86
SOCIOECONOMIC INDICATORS					
Demographic Index	10%	38%	6	35%	11
Supplemental Demographic Index	4%	14%	5	14%	4
People of Color	5%	44%	5	39%	11
Low Income	16%	32%	28	31%	30
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	1%	12%	17	12%	15
Under Age 5	0%	5%	0	6%	0
Over Age 64	90%	20%	99	17%	99
Low Life Expectancy	N/A	19%	N/A	20%	N/A

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	1

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	11	6	94	6.1	98
Asthma	8.6	10.6	0	10	15
Cancer	14.9	6.1	97	6.1	99
Persons with Disabilities	20.4%	13.9%	83	13.4%	87

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	2%	6%	52	12%	23
Wildfire Risk	0%	48%	0	14%	0

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	5%	13%	35	14%	26
Lack of Health Insurance	0%	10%	2	9%	2
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

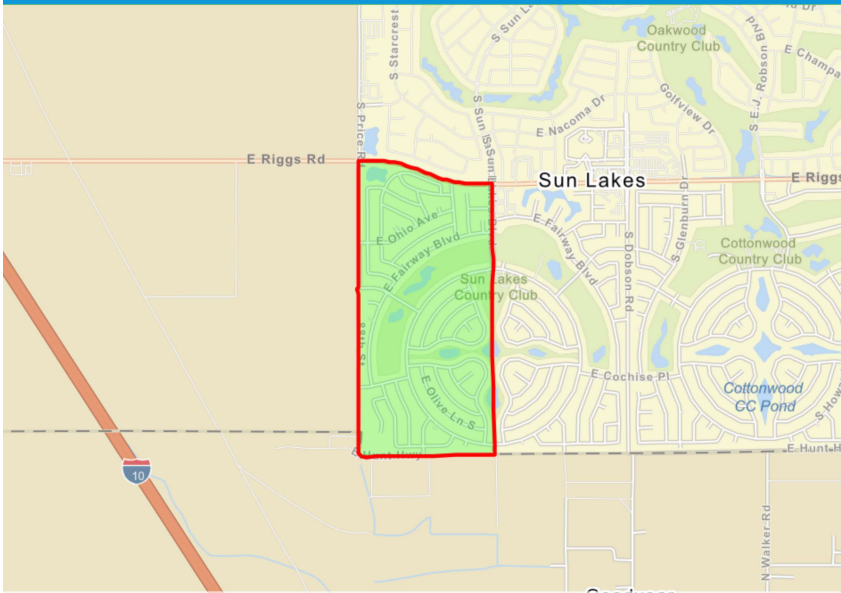
Report for Blockgroup: 040138173003

EJScreen Community Report

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

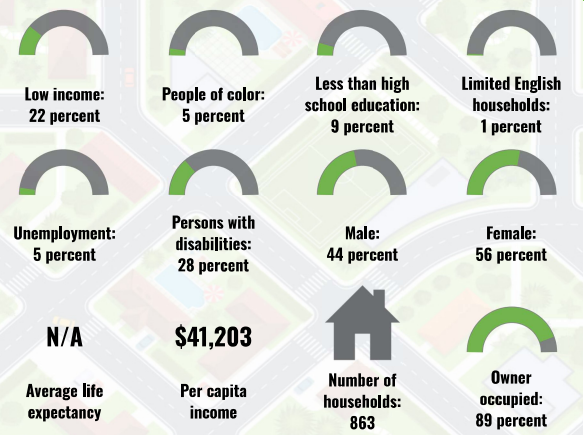
Sun Lakes, AZ

Blockgroup: 040138174001
 Population: 1,354
 Area in square miles: 0.52

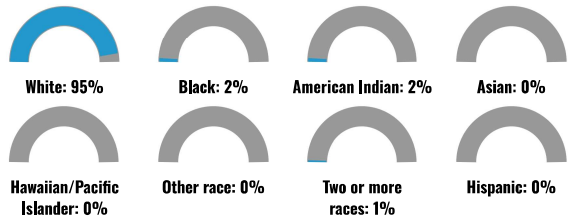


City of Chandler, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, ... Powered by Esri

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	98%
Other and Unspecified	1%
Total Non-English	2%

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.

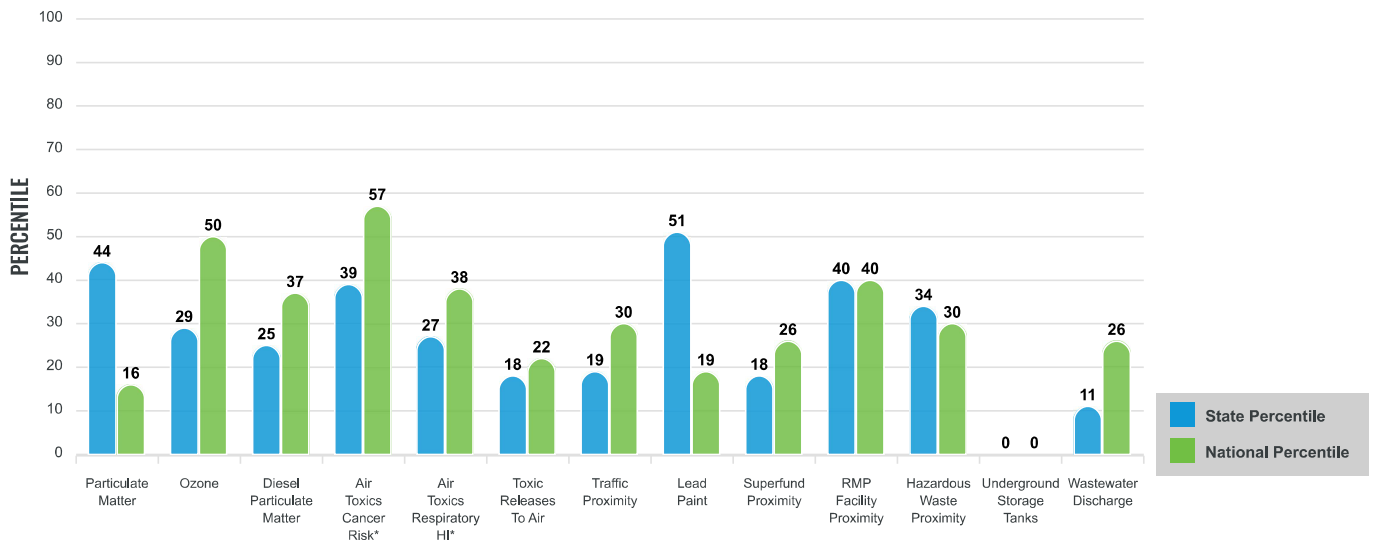
Environmental Justice & Supplemental Indexes

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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.

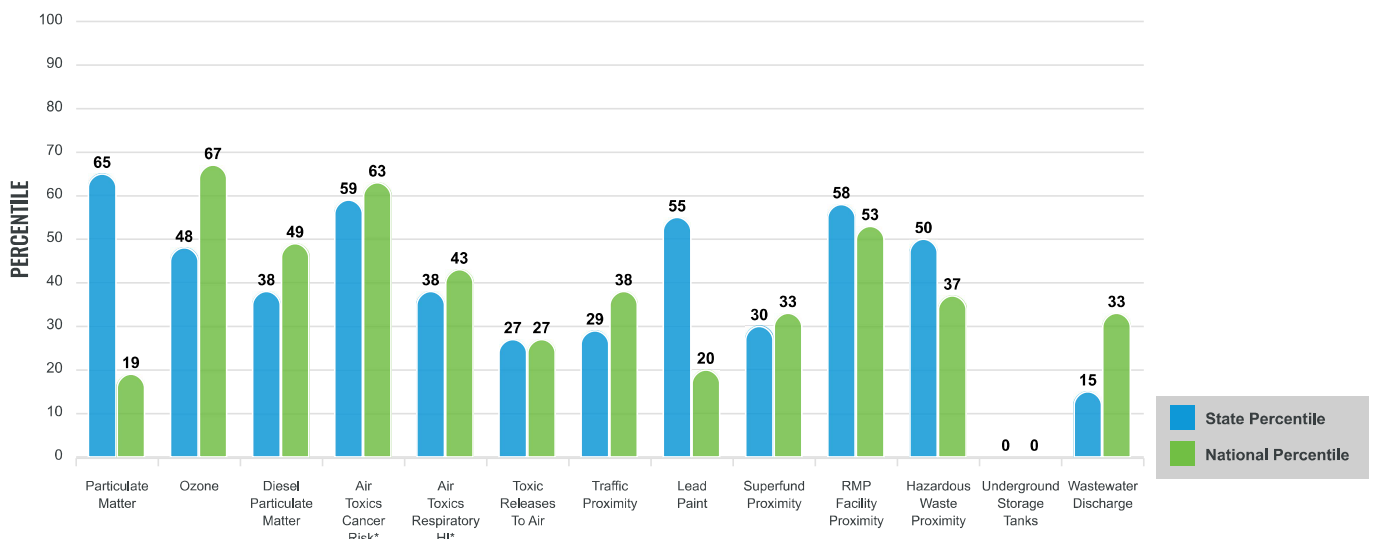
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138174001

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	7	5.87	80	8.08	20
Ozone (ppb)	68.1	66.1	56	61.6	89
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.24	0.278	40	0.261	55
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.3	0.31	30	0.31	31
Toxic Releases to Air	180	2,800	26	4,600	31
Traffic Proximity (daily traffic count/distance to road)	58	190	31	210	43
Lead Paint (% Pre-1960 Housing)	0.02	0.089	56	0.3	19
Superfund Proximity (site count/km distance)	0.041	0.077	31	0.13	37
RMP Facility Proximity (facility count/km distance)	0.26	0.38	71	0.43	64
Hazardous Waste Proximity (facility count/km distance)	0.26	0.71	55	1.9	40
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0003	5.8	16	22	38
SOCIOECONOMIC INDICATORS					
Demographic Index	14%	38%	12	35%	17
Supplemental Demographic Index	9%	14%	30	14%	29
People of Color	5%	44%	5	39%	13
Low Income	22%	32%	39	31%	40
Unemployment Rate	5%	6%	54	6%	55
Limited English Speaking Households	1%	4%	54	5%	59
Less Than High School Education	9%	12%	55	12%	53
Under Age 5	0%	5%	0	6%	0
Over Age 64	69%	20%	95	17%	99
Low Life Expectancy	N/A	19%	N/A	20%	N/A

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	Yes
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	14	6	98	6.1	99
Asthma	9.1	10.6	6	10	27
Cancer	15.9	6.1	98	6.1	99
Persons with Disabilities	26.1%	13.9%	94	13.4%	96

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	0%	6%	24	12%	0
Wildfire Risk	100%	48%	86	14%	97

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	28%	13%	87	14%	86
Lack of Health Insurance	1%	10%	4	9%	6
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

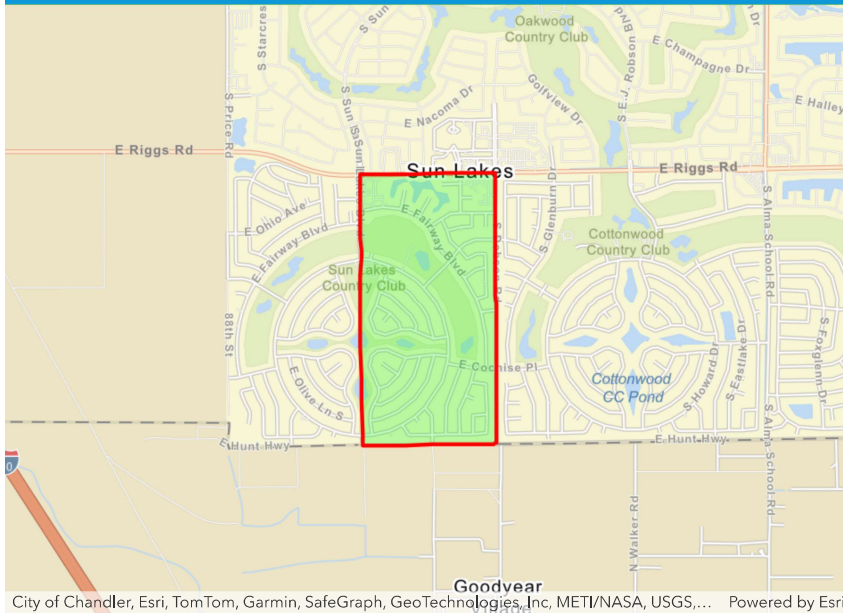
Report for Blockgroup: 040138174001

EJScreen Community Report

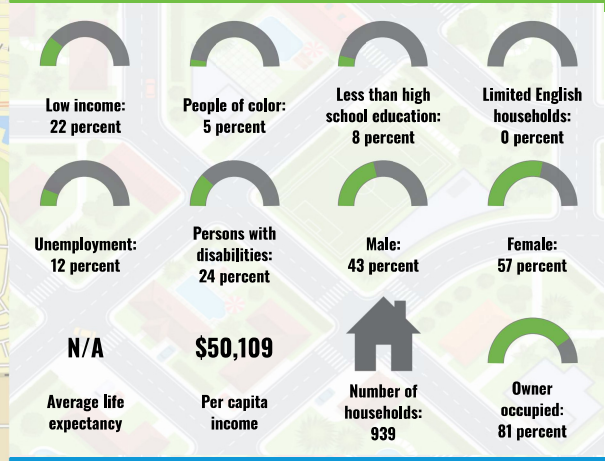
This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Sun Lakes, AZ

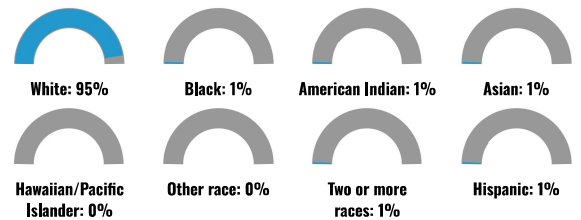
Blockgroup: 040138174002
 Population: 1,448
 Area in square miles: 0.5



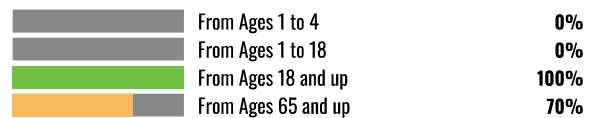
COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	98%
Other and Unspecified	1%
Total Non-English	2%

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.

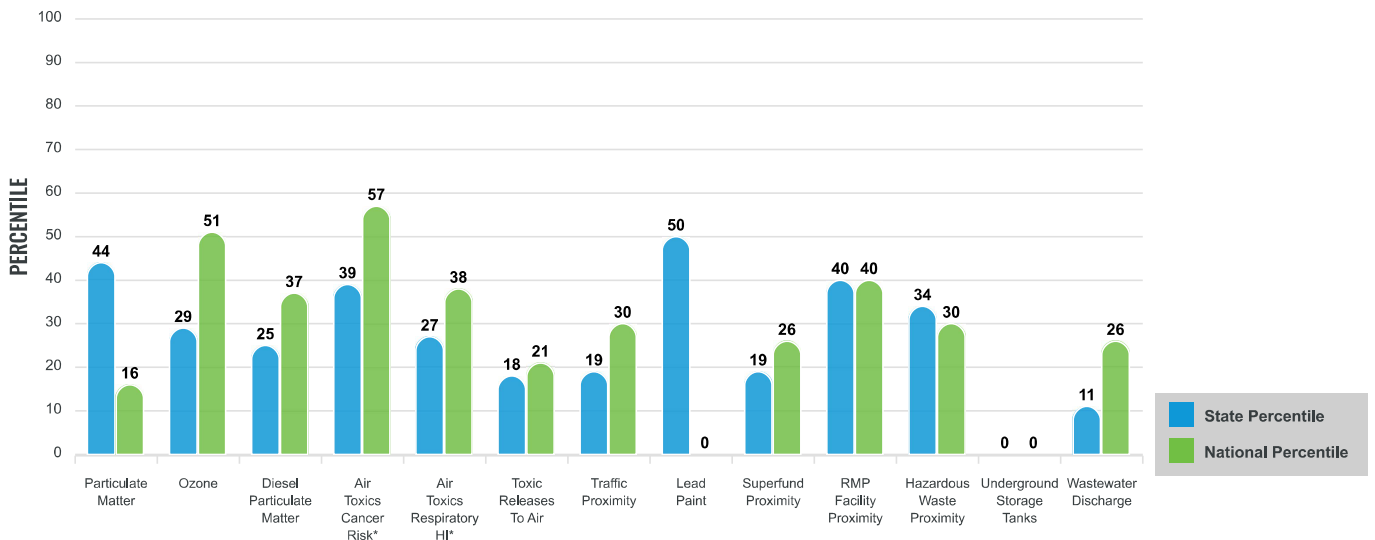
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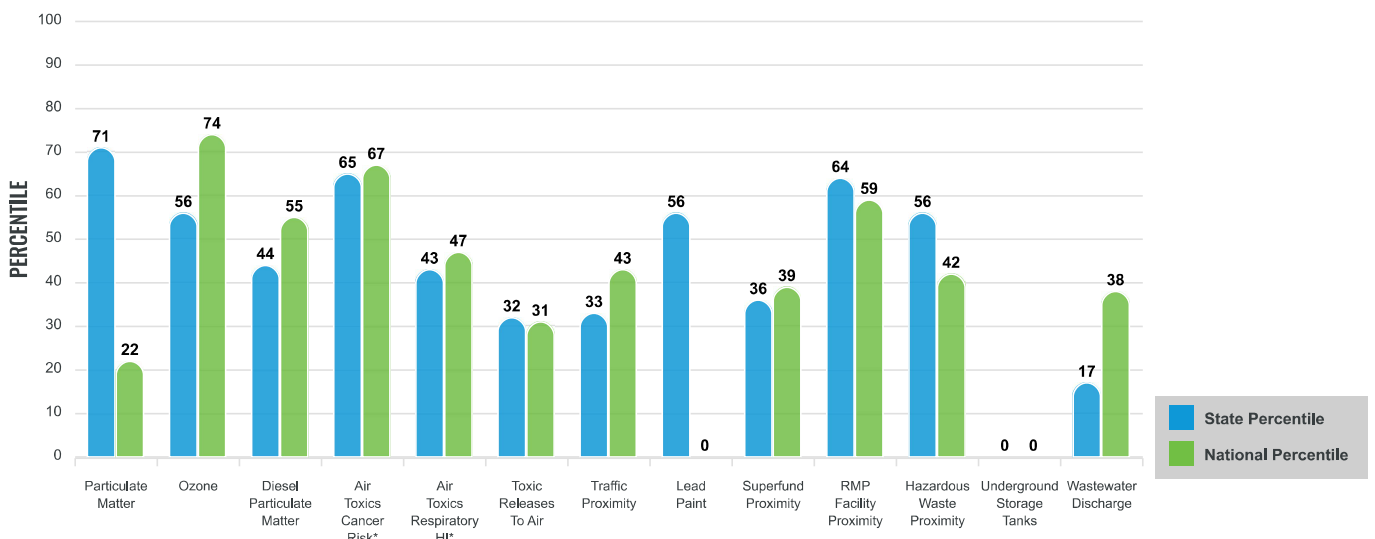
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040138174002

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	7	5.87	80	8.08	20
Ozone (ppb)	68.1	66.1	56	61.6	89
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.24	0.278	40	0.261	55
Air Toxics Cancer Risk* (lifetime risk per million)	30	25	43	25	52
Air Toxics Respiratory HI*	0.3	0.31	30	0.31	31
Toxic Releases to Air	180	2,800	26	4,600	30
Traffic Proximity (daily traffic count/distance to road)	56	190	30	210	42
Lead Paint (% Pre-1960 Housing)	0.009	0.089	50	0.3	0
Superfund Proximity (site count/km distance)	0.042	0.077	32	0.13	37
RMP Facility Proximity (facility count/km distance)	0.26	0.38	71	0.43	64
Hazardous Waste Proximity (facility count/km distance)	0.26	0.71	55	1.9	40
Underground Storage Tanks (count/km ²)	0	1.7	0	3.9	0
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00029	5.8	16	22	38
SOCIOECONOMIC INDICATORS					
Demographic Index	14%	38%	12	35%	17
Supplemental Demographic Index	11%	14%	40	14%	38
People of Color	5%	44%	5	39%	12
Low Income	22%	32%	40	31%	41
Unemployment Rate	12%	6%	86	6%	86
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	8%	12%	53	12%	51
Under Age 5	0%	5%	0	6%	0
Over Age 64	70%	20%	95	17%	99
Low Life Expectancy	N/A	19%	N/A	20%	N/A

*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	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	2

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	14	6	98	6.1	99
Asthma	9.1	10.6	6	10	27
Cancer	15.9	6.1	98	6.1	99
Persons with Disabilities	26.1%	13.9%	94	13.4%	96

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	0%	6%	0	12%	0
Wildfire Risk	100%	48%	83	14%	96

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	23%	13%	82	14%	80
Lack of Health Insurance	1%	10%	4	9%	5
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

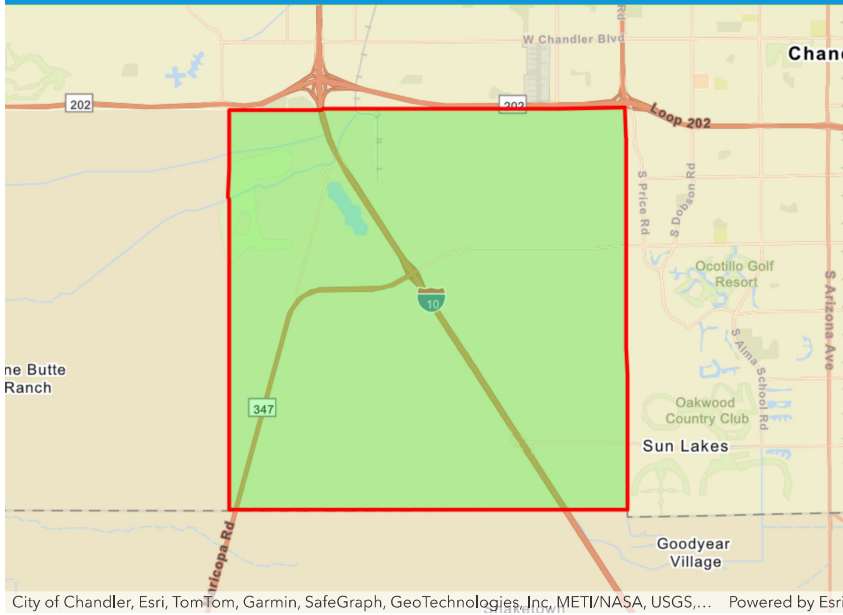
Report for Blockgroup: 040138174002

EJScreen Community Report

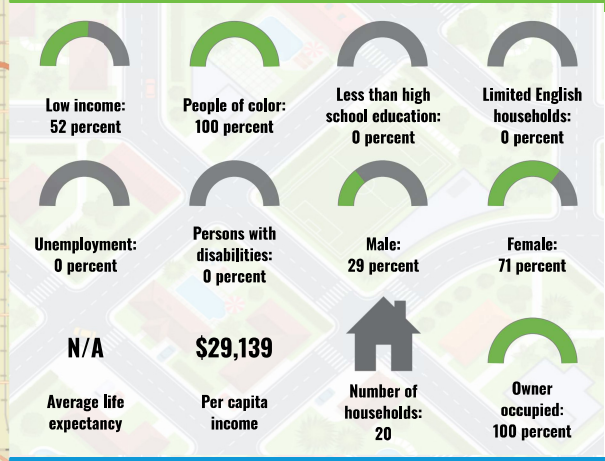
This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Maricopa County, AZ

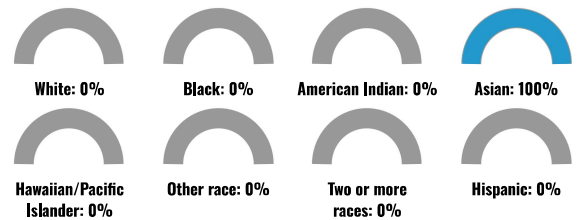
Blockgroup: 040139411001
 Population: 31
 Area in square miles: 35.11



COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	13%
Vietnamese	39%
Total Non-English	87%

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.

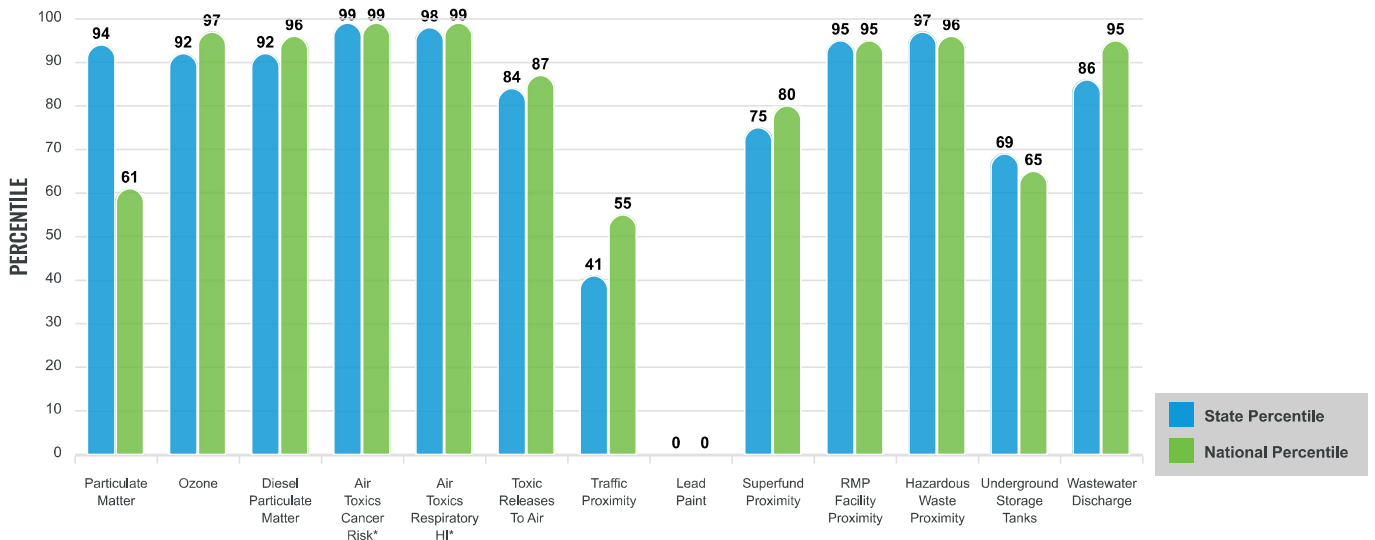
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EJ INDEXES

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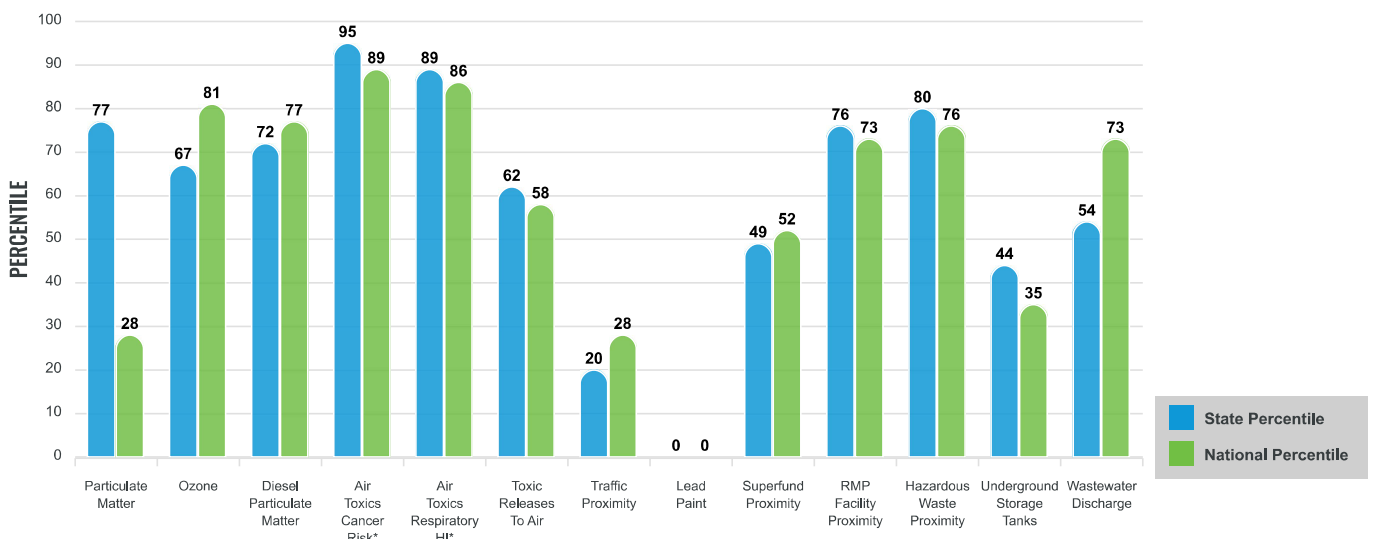
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040139411001

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	7.11	5.87	82	8.08	22
Ozone (ppb)	68.2	66.1	57	61.6	89
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.402	0.278	75	0.261	83
Air Toxics Cancer Risk* (lifetime risk per million)	40	25	96	25	94
Air Toxics Respiratory HI*	0.5	0.31	95	0.31	92
Toxic Releases to Air	640	2,800	55	4,600	51
Traffic Proximity (daily traffic count/distance to road)	16	190	14	210	21
Lead Paint (% Pre-1960 Housing)	0	0.089	0	0.3	0
Superfund Proximity (site count/km distance)	0.048	0.077	39	0.13	42
RMP Facility Proximity (facility count/km distance)	0.61	0.38	85	0.43	80
Hazardous Waste Proximity (facility count/km distance)	3.9	0.71	95	1.9	85
Underground Storage Tanks (count/km ²)	0.064	1.7	33	3.9	26
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.031	5.8	47	22	75
SOCIOECONOMIC INDICATORS					
Demographic Index	76%	38%	92	35%	93
Supplemental Demographic Index	13%	14%	52	14%	51
People of Color	100%	44%	99	39%	98
Low Income	52%	32%	79	31%	82
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	0%	4%	0	5%	0
Less Than High School Education	0%	12%	0	12%	0
Under Age 5	0%	5%	0	6%	0
Over Age 64	0%	20%	0	17%	0
Low Life Expectancy	N/A	19%	N/A	20%	N/A

*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	18
Air Pollution	3
Brownfields	6
Toxic Release Inventory	12

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	Yes
Selected location contains a "Justice40 (GEJST)" disadvantaged community	Yes
Selected location contains an EPA IRA disadvantaged community	Yes

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	4.2	6	25	6.1	14
Asthma	9.1	10.6	6	10	27
Cancer	3.5	6.1	10	6.1	6
Persons with Disabilities	0%	13.9%	0	13.4%	0

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	0%	6%	0	12%	0
Wildfire Risk	67%	48%	53	14%	87

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	0%	13%	0	14%	0
Lack of Health Insurance	48%	10%	99	9%	99
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

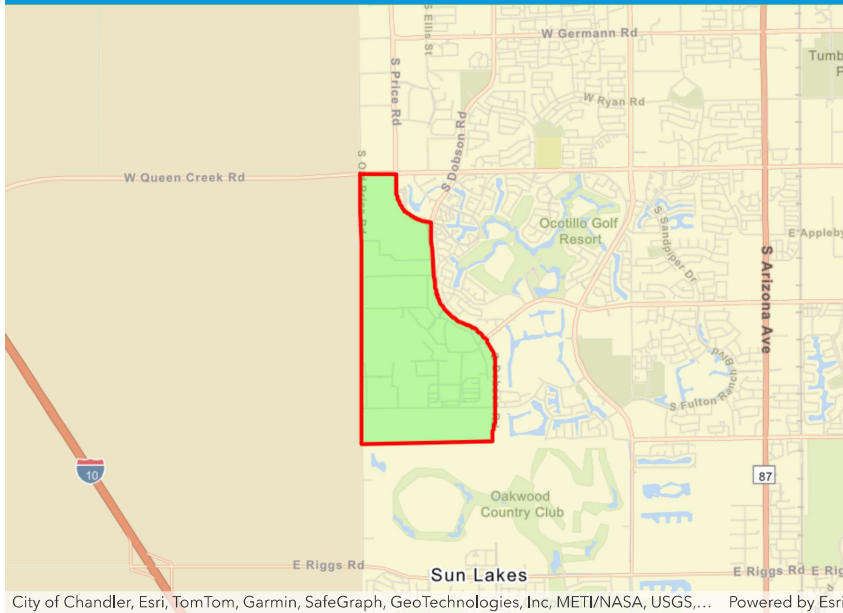
Report for Blockgroup: 040139411001

EJScreen Community Report

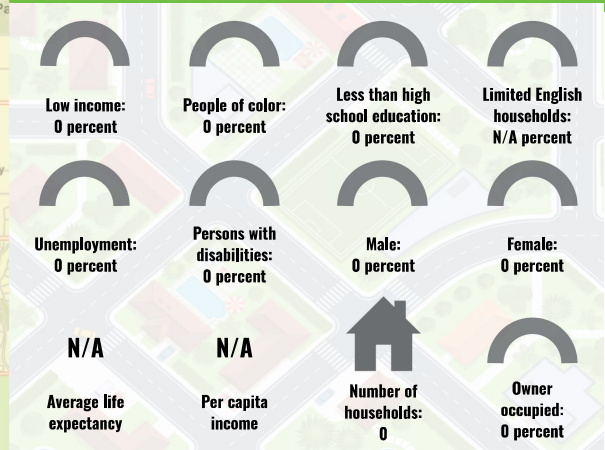
This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Chandler, AZ

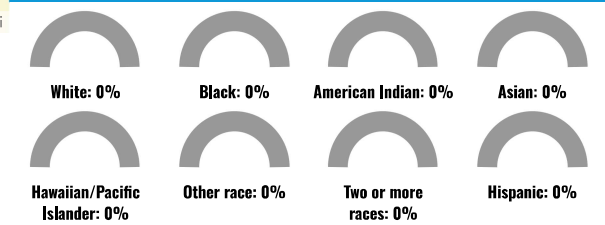
Blockgroup: 040139805001
 Population: 0
 Area in square miles: 1.38



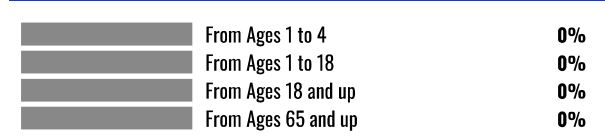
COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
No language data available.	

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.

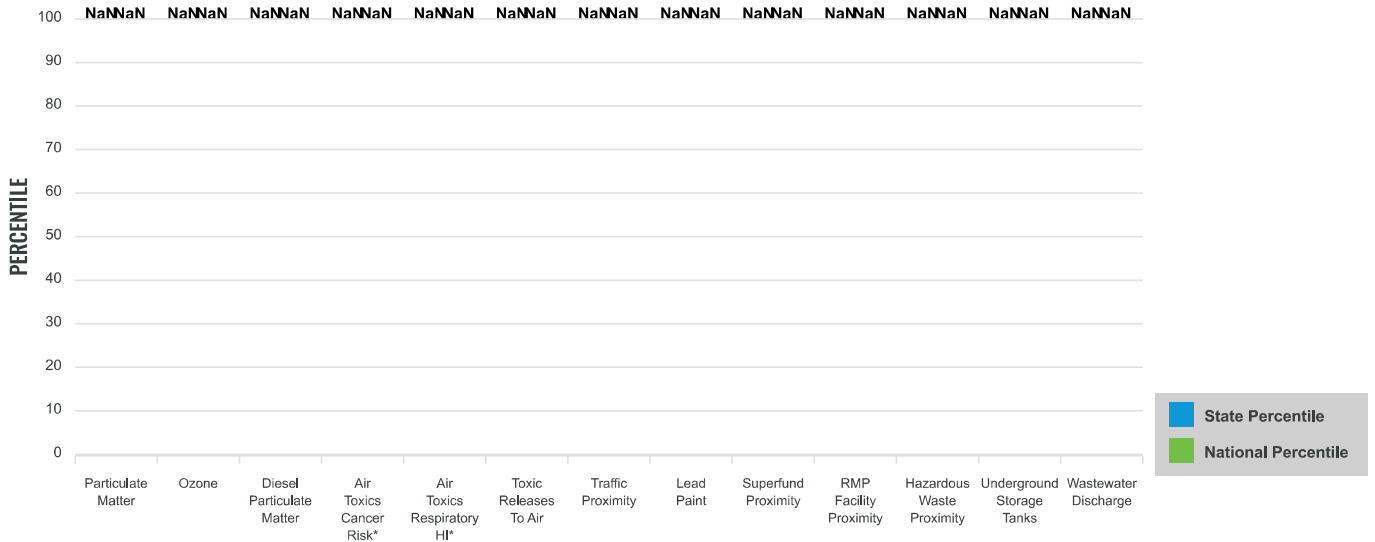
Environmental Justice & Supplemental Indexes

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.

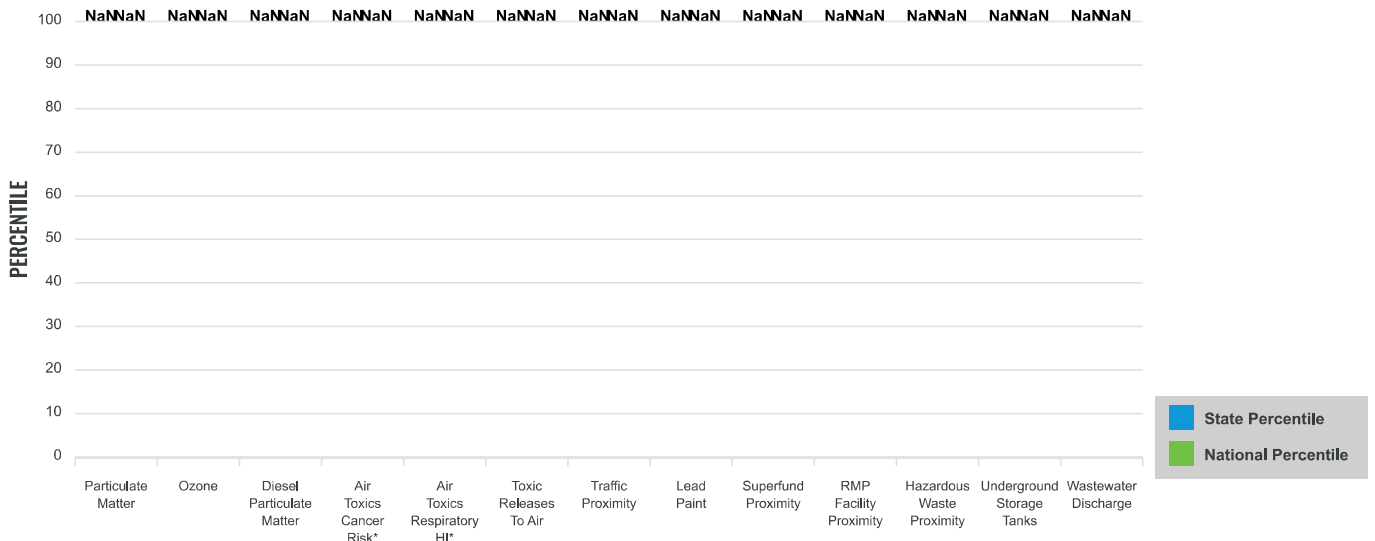
EJ INDEXES FOR THE SELECTED LOCATION



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 Blockgroup: 040139805001

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	N/A	5.87	N/A	8.08	N/A
Ozone (ppb)	N/A	66.1	N/A	61.6	N/A
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	N/A	0.278	N/A	0.261	N/A
Air Toxics Cancer Risk* (lifetime risk per million)	N/A	25	N/A	25	N/A
Air Toxics Respiratory HI*	N/A	0.31	N/A	0.31	N/A
Toxic Releases to Air	NaN	2,800	NaN	4,600	NaN
Traffic Proximity (daily traffic count/distance to road)	NaN	190	NaN	210	NaN
Lead Paint (% Pre-1960 Housing)	N/A	0.089	N/A	0.3	N/A
Superfund Proximity (site count/km distance)	N/A	0.077	N/A	0.13	N/A
RMP Facility Proximity (facility count/km distance)	N/A	0.38	N/A	0.43	N/A
Hazardous Waste Proximity (facility count/km distance)	N/A	0.71	N/A	1.9	N/A
Underground Storage Tanks (count/km ²)	N/A	1.7	N/A	3.9	N/A
Wastewater Discharge (toxicity-weighted concentration/m distance)	N/A	5.8	N/A	22	N/A
SOCIOECONOMIC INDICATORS					
Demographic Index	N/A	38%	N/A	35%	N/A
Supplemental Demographic Index	N/A	14%	N/A	14%	N/A
People of Color	N/A	44%	N/A	39%	N/A
Low Income	N/A	32%	N/A	31%	N/A
Unemployment Rate	N/A	6%	N/A	6%	N/A
Limited English Speaking Households	N/A	4%	N/A	5%	N/A
Less Than High School Education	N/A	12%	N/A	12%	N/A
Under Age 5	N/A	5%	N/A	6%	N/A
Over Age 64	N/A	20%	N/A	17%	N/A
Low Life Expectancy	N/A	19%	N/A	20%	N/A

*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	7
Air Pollution	1
Brownfields	0
Toxic Release Inventory	1

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	Yes
Selected location contains a "Justice40 (GEJST)" disadvantaged community	No
Selected location contains an EPA IRA disadvantaged community	No

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INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	N/A	6	N/A	6.1	N/A
Asthma	N/A	10.6	N/A	10	N/A
Cancer	N/A	6.1	N/A	6.1	N/A
Persons with Disabilities	N/A	13.9%	N/A	13.4%	N/A

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	N/A	6%	N/A	12%	N/A
Wildfire Risk	N/A	48%	N/A	14%	N/A

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	N/A	13%	N/A	14%	N/A
Lack of Health Insurance	N/A	10%	N/A	9%	N/A
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for Blockgroup: 040139805001