



# Community Impacts Assessment Form

Job Piece #:	35588(04) & 35589(04)
County:	McClain
Project Description:	GRADE, DRAIN, BRIDGE & SURFACE I-35: FROM THE SH-74 INTERCHANGE, EXTEND NORTH 2.75 MILES TO THE CLEVELAND COUNTY LINE & FROM 1 MILE SOUTH OF LADD ROAD, EXTEND NORTH 4.15 MILES TO THE SH-74 INTERCHANGE
Preparer:	Julianne Whitaker – Senior Scientist, Olsson

## PART I: COMMUNITY PROFILE

Attach a map showing the community study area boundaries as well as the locations of any community facilities in the area (schools, places of worship, health care facilities, recreation centers, social services, libraries, etc.).

### I. General Information

What is the location of the community that may be impacted?

The proposed improvement consists of widening I-35 to the outside by adding one 12 ft. asphalt lane of traffic in each direction. Inside shoulders to be increased to at least 10 ft. asphalt shoulders with a median barrier wall running the extent of the project. Bridge-sized RCBs shall be extended to clear zone w/ wings and apron to stay within R/W. Span bridges will be left as is with design exceptions as required. Any metal cross drains will be upgraded to concrete. Improvements will occur along the existing alignment with no new R/W being acquired. The road will remain open with the project phased to maintain two lanes of traffic in each direction during construction.

The proposed Project is located along the existing I-35 in McClain County, Oklahoma, from one mile south of Ladd Road to the Cleveland County Line. The proposed NEPA Project Area includes the existing rights-of-way (R/W) boundary (Figure 1; Appendix A) and incorporates approximately 294 acres. The Community Study Area is comprised of census blocks within 1,000 feet of the NEPA Project area (Figure 1).

### II. General Characteristics of the Community

What is the name and general character of the community (rural, suburban, urban, mixed use)?

The community surrounding the proposed Project can be characterized as rural to suburban. One community occurs within the Community Study Area – Goldsby. **START** Fort

Towson is a small town with a 2020 census population of 492. Swink is an unincorporated community and census-designated place with a 2020 census population of 65. Land uses within the Community Study Area include agricultural, residential, and municipal, primarily composed of grazing and pastureland, hayfields, and other undeveloped parcels. A variety of community facilities exist within the Community Study Area including two historic features, a cemetery, two churches, municipal facilities, a daycare/preschool, and a park. There are no sidewalks within the NEPA Project Area or Community Study Area. The Community Study Area is home to an estimated population of 390, based on adjacent census block geographies and 2020 census counts.

### III. Community Facilities

Figure 2 illustrates the location of community facilities listed below in Table 1 and the potential relocations.

Table 1. Community Facilities within the Community Study Area.

Name of Facility	Type of Facility	Public or Private	Population Served	Additional Comments
Fort Towson Landing Historical Monument	Historical Marker	Public	General Public	Within the existing R/W
Raymond Gary State Park	State Park	Public	General Public	
Corinth Baptist Church	Place of Worship	Private	Fort Towson & Swink	
Swink Cemetery	Community Cemetery	Public	Swink	
Swink Volunteer Fire Department	Municipal	Public	Swink	
US Post Office	Government Building	Public	Swink	
New Hope Baptist Church	Place of Worship	Private	Swink	
Little Dixie Headstart	Daycare / Preschool	Public	Swink	
Chief Thomas LeFlore Home	Historic building	Private with perpetual easement	General Public	Listed on the National Register of Historic Places.

#### IV. Data

Attach or insert tables and thematic maps detailing race, language, income, gender, and age data for the affected community study areas.

- a. What data sources were used (U.S. Census Bureau, EPA Screening Tool, American Community Survey (ACS), Other)?  
U.S. Census Bureau and American Community Survey (ACS). EPA Screening Tool, as well as aerial imagery. Included below by census geographies are Table 2 Median Household Income; Table 3 Racial and Ethnic Distribution; Table 4 Limited English Proficiency (LEP); and Table 5 Gender and Median Age.
- b. Does any of the census geographies show a median income below the DHHS poverty level? Describe:  
None of the census block groups within the Community Study Area show a median household income lower than \$26,500 (the 2021 U.S. State Department of Health and Human Services (DHHS) Poverty Guideline for a family of four) (Table 2). The median household incomes for the four census block groups within the Community Study Area are illustrated in Figure 3a.

Table 2: Median Household Income

Census Geography	Total Households	Median Household Income in the Past 12 Months
Choctaw County	6,074	\$37,121
Census Tract 9669	990	\$46,500
Block Group 1	260	\$47,917
Block Group 3	239	\$45,378
McCurtain County	12,651	\$39,091
Census Tract 984	1,685	\$42,679
Block Group 1	513	\$49,792
Block Group 4	319	\$30,739

2021 DHHS Poverty Guideline (family of four) \$26,500

Citation: U.S. Census Bureau (2020). American Community Survey 5-year estimates.

- c. Does any of the census geographies show a minority population? Describe:  
Of the 39 populated census blocks within the Community Study Area, 31 show minorities present, ranging from 0 to 100 percent. The largest percentage of minorities identify as Native American.  
  
Table 3 provides additional details regarding race/ethnicity within each of the populated census blocks within the Community Study Area. Figure 3b shows the census blocks adjacent to the proposed Project and the percentages of minority individuals.
- d. Does any of the census geographies show presence of persons who speak English "less than very well"?  
All four census block groups show the presence of persons who speak English "less than very well," however, only one of the four census block groups adjacent to the proposed project contains a small percentage of LEP individuals (0.86%) (Table 4).

Table 3. Racial and Ethnic Distribution

Census Geography		Race and Ethnicity																		
County / Census Tract / Block Group / Blocks		Total Pop.	Not Hispanic or Latino														Hispanic**		Total Minority	
			White		Black*		American Indian*		Asian		Pacific Islander*		Other*		Two*					
			#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Choctaw County		14,204	8,114	57.12	1,371	9.65	2,502	17.61	29	0.20	4	0.03	57	0.40	1,532	10.79	595	4.19	5,495	38.69
Tract 9669/BG 1&3		1,238	886	71.57	11	0.89	175	14.14	2	0.16	1	0.08	9	0.73	156	12.61	18	1.45	354	28.59
Block Group 1		691	478	69.17	5	0.72	105	15.19	0	-	1	0.14	5	0.72	97	14.04	10	1.45	213	30.82
Block Group 3		549	408	74.32	6	1.09	70	12.75	2	0.36	0	-	4	0.73	59	10.75	8	1.46	141	25.68
Block	1094	4	2	50.00	0	-	0	-	0	-	0	-	0	-	2	50.00	0	-	2	50.00
	1096	19	15	78.95	0	-	2	10.53	0	-	0	-	0	-	2	10.53	0	-	4	21.05
	1099	4	0	-	0	-	0	-	0	-	0	-	0	-	4	100.00	0	-	4	100.00
	1100	14	12	85.71	0	-	0	-	0	-	0	-	0	-	2	14.29	0	-	2	14.29
	1101	9	3	33.33	0	-	4	44.44	0	-	0	-	0	-	2	22.22	0	-	6	66.67
	1103	5	2	40.00	0	-	0	-	0	-	0	-	0	-	3	60.00	0	-	3	60.00
	1107	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1109	2	2	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
	1111	4	4	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
	1113	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Census Geography		Race and Ethnicity																			
County / Census Tract / Block Group / Blocks	Total Pop.	Not Hispanic or Latino														Hispanic**		Total Minority			
		White		Black*		American Indian*		Asian		Pacific Islander*		Other*		Two*							
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
1114	2	2	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
1115	6	6	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
1118	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1120	6	0	-	2	33.33	0	-	0	-	0	-	0	-	4	66.67	0	-	6	100.00	0	0
1121	4	4	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
1122	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1123	8	7	87.50	0	-	0	-	0	-	0	-	0	-	1	12.50	0	-	1	12.50	0	0
1125	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1126	44	29	65.91	0	-	10	22.73	0	-	0	-	0	-	5	11.36	0	-	15	34.09	0	0
1127	16	7	43.75	1	6.25	7	43.75	0	-	0	-	0	-	1	6.25	0	-	9	56.25	0	0
1129	8	3	37.50	0	-	1	12.50	0	-	0	-	0	-	3	37.50	1	12.50	4	50.00	0	0
3006	1	0	-	0	-	0	-	1	100.00	0	-	0	-	0	-	0	-	1	100.00	0	0
3007	3	1	33.33	0	-	0	-	0	-	0	-	0	-	2	66.67	2	66.67	2	66.67	0	0
3013	9	9	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
3033	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Census Geography		Race and Ethnicity																		
County / Census Tract / Block Group / Blocks	Total Pop.	Not Hispanic or Latino														Hispanic**		Total Minority		
		White		Black*		American Indian*		Asian		Pacific Islander*		Other*		Two*						
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	
	3034	14	4	28.57	0	-	5	35.71	0	-	0	-	0	-	5	35.71	0	-	10	71.43
	3035	10	10	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
	3036	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3037	18	15	83.33	0	-	0	-	0	-	0	-	0	-	3	16.67	0	-	3	16.67
	3038	5	4	80.00	0	-	1	20.00	0	-	0	-	0	-	0	-	0	-	1	20.00
	3039	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3040	11	2	18.18	0	-	8	72.73	0	-	0	-	0	-	1	9.09	0	-	9	81.82
	3041	3	3	100.00	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0
	3042	12	10	83.33	0	-	0	-	0	-	0	-	0	-	2	16.67	0	-	2	16.67
	3043	12	7	58.33	1	8.33	2	16.67	0	-	0	-	0	-	2	16.67	0	-	5	41.67
	3060	6	5	83.33	0	-	1	16.67	0	-	0	-	0	-	0	-	0	-	1	16.67
	3061	8	6	75.00	0	-	0	-	0	-	0	-	0	-	2	25.00	0	-	2	25.00
McCurtain County	30,814	18,159	58.93	2,538	8.24	4,290	13.92	124	0.40	460	1.49	40	0.13	3,309	10.74	1,894	6.15	10,761	34.92	
Tract 984/BG 1&4	1,945	1,257	64.63	111	5.71	247	12.70	9	0.46	0	-	5	0.28	284	14.60	32	1.64	656	33.73	
Block Group 1	1,203	802	66.67	11	0.91	177	14.71	3	0.25	0	-	4	0.33	197	16.38	9	0.75	392	32.58	

Census Geography		Race and Ethnicity																		
County / Census Tract / Block Group / Blocks		Total Pop.	Not Hispanic or Latino														Hispanic**		Total Minority	
			White		Black*		American Indian*		Asian		Pacific Islander*		Other*		Two*					
			#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Block Group 4		742	455	61.32	100	13.48	70	9.43	6	0.81	0	-	1	0.13	87	11.72	23	3.10	264	35.58
Block	4019	31	17	54.84	5	16.13	5	16.13	0	-	0	-	0	-	4	12.90	0	-	14	45.16
	4020	5	3	60.00	2	40.00	0	-	0	-	0	-	0	-	0	-	0	-	2	40.00
	4021	8	1	12.50	6	75.00	0	-	0	-	0	-	0	-	1	12.50	0	-	7	87.50
	4022	5	0	-	2	40.00	0	-	0	-	0	-	0	-	3	60.00	0	-	5	100.00
	4023	8	3	37.50	0	-	2	25.00	0	-	0	-	3	37.50	0	-	4	50.00	5	62.50
	4026	13	8	61.54	0	-	0	-	0	-	0	-	0	-	5	38.46	0	-	5	38.46
	4028	9	6	66.67	1	11.11	2	22.22	0	-	0	-	0	-	0	-	0	-	3	33.33
	4029	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4030	17	9	52.94	6	35.29	0	-	0	-	0	-	0	-	2	11.76	1	5.88	8	47.06
	4033	14	12	85.71	0	-	1	7.14	0	-	0	-	0	-	1	7.14	0	-	2	14.29
	4141	13	7	53.85	3	23.08	3	23.08	0	-	0	-	0	-	0	-	0	-	6	46.15%

Citation: U.S. Census Bureau (2020). American Community Survey 5-year estimates.

Table 4: Limited English Proficiency Persons

Census Geography	Population 5 years & over	No. LEP	Total Percent LEP of Pop. 5 years & over	Languages Spoken by LEP Populations							
				No. Spanish	Percent Spanish of LEP Pop.	No. Indo-European	Percent Indo-European of LEP Pop.	No. Asian & Pacific Islander	Percent Asian & Pacific Islander of LEP Pop.	No. Other	Percent Other of LEP Pop.
<b>Choctaw County</b>	13,807	18	0.13	15	83%	0	0	0	0	3	17%
Census Tract 9669	2,429	0	0	0	0	0	0	0	0	0	0
Block Group 1	613	0	0	0	0	0	0	0	0	0	0
Block Group 3	620	0	0	0	0	0	0	0	0	0	0
<b>McCurtain County</b>	30,670	118	0.38	54	46%	0	0	61	52%	3	3%
Census Tract 984	4,294	16	0.37	13	81%	0	0	3	19%	0	0
Block Group 1	1,274	0	0	0	0	0	0	0	0	0	0
Block Group 4	818	7	0.86	4	57%	0	0	3	43%	0	0
<b>Total Block Groups</b>	<b>3,325</b>	<b>7</b>	<b>0.21</b>	<b>4</b>	<b>57%</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>43%</b>	<b>0</b>	<b>0</b>

Citation: U.S. Census Bureau (2016-2020). Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over American Community Survey 5-year estimates.



Table 5: Gender and Median Age by Census Geographies

Census Geography	Population	% Male	Median Age								
			0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
<b>Choctaw County</b>	14,727	48	1,910	1,966	1,628	1,590	1,635	2,010	1,928	1,389	671
Census Tract 9669	2,599	49	242	275	274	270	299	357	437	334	111
Block Group 1	647	48	52	57	96	91	87	85	87	70	22
Block Group 3	591	54	51	70	25	42	84	76	128	77	38
<b>McCurtain County</b>	32,913	49	4,723	4,407	4,089	3,824	3,726	4,329	3,863	2,601	1,351
Census Tract 984	4,443	53	571	627	549	453	618	603	576	345	101
Block Group 1	1,414	52	203	205	202	237	145	142	159	96	25
Block Group 4	715	52	50	92	53	31	109	160	93	86	41
<b>Total Block Groups</b>	<b>3,367</b>	<b>52</b>	<b>356</b>	<b>424</b>	<b>376</b>	<b>401</b>	<b>425</b>	<b>463</b>	<b>467</b>	<b>329</b>	<b>126</b>

Citation: U.S. Census Bureau ACS 2020 5-year

## V. Site Visit

Information can be requested in the Relocation Plans or found through Google Street View if no site visit is performed.

- a. Was a site visit conducted? If yes, attach documentation, notes, and photographs from the field visit. If no, explain why.  
No. The answers below were based on google street view of the NEPA Project Area and Community Study Area, and the relocation plans (Appendix A).
- b. Were there any signs observed in languages other than English? Describe the languages(s) observed, frequency, and general location of signs in other languages (throughout the study area, concentrated in a particular vicinity, etc.)  
No
- c. Were there places of worship, businesses, or services that target or serve specific minority groups?  
No
- d. Were there signs of disabled persons such as ramps on homes or public transportation vehicles or stops specifically designed for disabled persons?  
A porch ramp was observed on one house in Swink.
- e. Were there signs of other vulnerable populations such as children or elderly (presence of day cares, elementary schools or assisted living facilities)? (EJSCREEN, the EPA's environmental justice screening and mapping tool, can assist in locating facilities. This tool can be found at <https://www.epa.gov/environmentaljustice> or <https://www.epa.gov/ejscreen>)  
Yes - Little Dixie Headstart preschool/daycare in Swink
- f. Are there signs of other modes of transportation? Describe:
  - i. Bus or train stops  
No
  - ii. Marked bike lanes or bike signage  
No
  - iii. Cyclists observed in the area  
No
  - iv. Sidewalks  
No
  - v. "Goat paths" or dirt pathways adjacent to the project area  
No

## VI. Additional Data

*Describe any additional information about this community:*

**Community Profile Summary: Based on the information above, describe the community profile.** *NOTE: This summary should be included in the NEPA write up.*

The proposed Project is located along the existing US-70 Highway in eastern Choctaw County, Oklahoma, from the junction with SH-209, extending east to the McCurtain County Line. The proposed NEPA Project Area includes the proposed R/W boundary to the north and the existing R/W boundary to the south and incorporates approximately 204 acres. The Community Impact Assessment Study Area is comprised of census blocks within 1,000 feet of the NEPA Project area.

The community surrounding the proposed Project can be characterized as rural. Portions of two communities occur within the Community Study Area - Fort Towson, and Swink, which are both located along US-70 in Choctaw County. Fort Towson is just west of the proposed Project, while Swink occurs immediately to the south of the proposed Project. Fort Towson is a small town with a 2020 census population of 492. Swink is an unincorporated community and census-designated place with a 2020 census population of 65. Land uses within the Community Study Area include agricultural, residential, and municipal, primarily composed of grazing and pastureland, hayfields, and other undeveloped parcels. A variety of community facilities exist within the Community Study Area including two historic features, a cemetery, two places of worship, municipal facilities, a daycare/preschool, and a state park. There are no sidewalks within the NEPA Project Area or Community Study Area. The Community Study Area is home to an estimated population of 390, based on adjacent census block geographies and 2020 census counts.

There are 39 populated census blocks from 4 block groups and 2 census tracts within the Community Study Area. None of 4 census block groups within the Community Study Area show a median household income lower than the 2021 DHHS Poverty Guideline for a family of four (\$26,500). The median household incomes for the four census blocks ranged from \$30,739 to \$47,917.

The percent minority within the 39 populated census blocks within the Community Study Area ranged from 0 to 100 percent. Of the 39 populated census blocks, 31 showed minority individuals present. The largest minority group was Native American, followed by those reporting two or more races. Only 1 of the 4 census block groups adjacent to the proposed Project contains a small percentage of Limited English Proficiency (LEP) individuals (0.86%).

A google street view of the Community Study Area revealed no signs in languages other than English, nor places of worship, businesses, or services that target or serve specific minority

groups. One pre-school/daycare was observed in Swink serving a vulnerable population – children. One house in Swink has a ramp on the front porch, indicating possible presence of disabled persons.

## PART II: RISK ASSESSMENT

Consider the community facilities and populations other than EJ populations listed in your Community Profile answers. Information will be available in Relocation Plans.

### I. Residential Displacements

- a. What type of residences will be displaced (single family homes, apartment, duplexes, etc.)?

It was determined nine (9) Residential move relocations would be affected by the proposed Project. These include three single family wood frame houses, one single family mobile home and five travel trailers. Additionally, seven (7) Personal Property (PPO) relocations are also present and would be affected by the proposed Project. These included one unoccupied wood frame house and six metal buildings or sheds.

R/W plans have been “marked-up” labeling the sites affected and are included in Appendix A along with the Relocation Inventory 60% Plans list.

- b. How many residences will be displaced or impacted in a manner that would prevent them from being occupied (*loss of parking or access*)?

Ten (10) houses will be displaced - nine (9) residences and one (1) unoccupied house (listed as PPO#1). Additionally, there is one residence where two car ports will be impacted along with a shed (PPO#5).

- c. Is there comparable replacement housing available? Explain.

There are limited available properties for sale in the area. Because of the limited available properties, the search radius was increased to 30 miles.

### II. Commercial Displacements

- a. What types of businesses exist in the study area?

No active businesses are within the NEPA Project Area or the Community Study Area.

- b. How many businesses will be displaced or impacted in a manner that would prevent them from continuing to operate (*loss of parking or access*)?

No businesses will be displaced or impacted.

- c. Are these businesses unique to the area? How far away would one have to travel to find a similar business offering similar services?

N/A

- d. Do these businesses serve a specific population (*specific ethnic group, disabled, low-income families, etc.*)? Explain.

N/A

- e. Have the businesses indicated if they would relocate? Explain.  
N/A
- f. Are there comparable replacement properties available for relocation of the business(es)? Explain.  
N/A
- g. If the businesses do not relocate, how many jobs would be lost?  
N/A
- h. If the businesses do not relocate, are there comparable job opportunities for the affected employees?  
N/A
- i. What is the unemployment rate for the study area?  
8%
- j. If the businesses do not relocate or current employees do not remain with the employer, would there be similar jobs (*same industry, equivalent skill set, etc.*) available nearby? Explain.  
N/A
- k. Are there any measures which could be taken to mitigate the potential loss of employment opportunity? Explain.  
N/A

### III. Other Displacements

- a. What non-residential and non-commercial displacements (*parks, homeless shelters, churches, etc.*) would occur?  
Corinth Baptist Church is immediately adjacent to the proposed R/W, but no displacement of the facility or loss of parking spaces will occur.
- b. Do these facilities serve a specific population (*disabled persons, children, elderly, a specific ethnic group, a specific religious denomination, etc.*)? Explain.  
N/A
- c. Would these facilities be able to relocate? Explain.  
N/A
- d. How far would a person have to travel to find similar facilities or services?

N/A

- e. Is there any opportunity to mitigate the impact to the facilities? Explain.

N/A

**Displacements Summary: Based on the information above, how will displacements associated with the proposed project impact the community?** *NOTE: This summary should be included in the NEPA write up.*

At the time of scoping, there were nine (9) single family residences being affected. It is not known if the residential properties are occupied by an "Owner" or "Tenant". There are limited available properties for sale in the area. Because of the limited available properties, the search radius was increased to 30 miles. There might be extenuating circumstances where the displaced person must stay in the immediate area: for example, the need for guardian oversight; therefore, new construction might be needed. New construction typically requires additional 9 to 12 months be considered for Relocation to be completed. No businesses or community services will be relocated.

#### IV. Access and Travel Patterns

- a. How do people currently access adjacent parcels (*car, walking, cycling, mass transit*)?  
Car
- b. Describe the permanent or temporary changes to access and/or travel patterns.  
The US-70 roadway will remain open during construction and traffic will remain on the existing lanes until the new construction is completed. The new construction will serve the same access and travel patterns as the original US-70 with the addition of left turn lanes included at Main Street (NS-4403) in the Town of Swink and at SH-209.
- c. What neighborhoods and businesses will be affected by these changes?  
The community of Swink will be most affected by the new left turn lanes at Main Street NS-4403. All users of US-70 within the Project will be affected by the addition of left turn lanes at Swink and SH-209.
- d. Are there any community facilities affected? Are any of these facilities considered essential services (*clinics and hospitals, schools, emergency responders*)?  
No
- e. How will emergency response times be effected?  
None expected.
- f. For mass transit, walking, and cycling impacts, which mode(s) will be permanently impacted?  
None

- g. How far will the user of each mode have to travel to find a comparable route/service?  
How much time will be added to their trips?  
N/A
- h. What businesses are located along the existing corridor? Of these, how many are primarily dependent on passing traffic for business.  
There are no businesses located along the portion of US-70 within the proposed Project area.
- i. Are frontage roads proposed as part of the project or is the project a limited access facility? Describe.  
No frontage roads are proposed. Project is not a limited access facility.
- j. Is the land adjacent to the project available for development? Describe.  
Land is currently privately-owned, rural with some agricultural use.
- k. Is there mitigation or design elements proposed for impacts to affected businesses?  
N/A

**Access and Travel Patterns Summary: Based on the information above, how will the proposed project impact access and travel patterns for the community? NOTE: This summary should be included in the NEPA write up.**

The US-70 roadway will remain open during construction and traffic will remain on the existing lanes until the new construction is completed. The new construction will serve the same access and travel patterns as the original US-70 with the addition of left turn lanes included at Main Street (NS-4403) in the Town of Swink and at SH-209. No additional impacts to access and travel patterns for the community are expected.

## V. Community Cohesion

- a. If there is an existing roadway or other existing separation? How will the proposed project change that separation?  
The proposed Project will not change the existing separation resulting from the current US-70 highway. The proposed project will occur on an offset parallel alignment to the north. The offset will be large enough to allow for a future 4-lane facility with a 64-foot wide median but will otherwise not alter the existing separation.
- b. How would the proposed project change the way that people within the community access other parts of the community and participate in local activities?  
Since the proposed project will not alter the existing separation in any significant way, the proposed Project will not change the way people within the community access other parts of the community.

- c. How will the proposed project change the way that people use local services and facilities?  
None are expected.
- d. Describe how people in the community will be separated or isolated.  
No separation or isolation is expected as a result of the parallel offset alignment of the new roadway.
- e. How will the separated portions of the community access one another after completion of the proposed project? Consider all modes of transportation.  
N/A
- f. How will the affected people in the community access services like grocery stores, schools, parks, neighborhood amenities, places of employment, etc.? Consider all modes of transportation.  
The proposed Project will not affect community access to these types of services. The proposed Project, will however, improve safety of US-70 within the Community Study Area with the addition of left turn lanes at Swink and SH-209, and 8-foot paved shoulders.
- g. How is the proposed access different from the existing access? Consider all modes of transportation.  
The proposed Project will not change the existing access from the current US-70 highway. The proposed project will occur on an offset parallel alignment to the north.
- h. Would displacements impact community cohesion? Explain.  
The proposed residential relocations are not expected to impact community cohesion for the entire Community Study Area. Eight (8) of the nine (9) residences expected to be relocated, however, are clustered together along an approximate 800-foot stretch of US-70 in two (2) groups of three (3) houses 100 feet apart and five (5) mobile homes and travel trailers approximately 50 to 70 feet apart. These displacements would impact this particular neighborhood cohesion.
- i. Is there any mitigation or design elements proposed to lessen the effects of this separation or isolation?  
No

**Community Cohesion Summary: Based on the information above, how will the proposed project impact community cohesion? NOTE: This summary should be included in the NEPA write up.**

Since the proposed project will not alter the existing separation in any significant way, the proposed Project will not change the way people within the community access other parts of the community. The residential relocations would not impact community cohesion for the entire Community Study Area. Eight (8) of the nine (9) residences expected to be relocated, however, are clustered together along an approximate 800-foot stretch of US-70 in two (2) groups of



three (3) houses 100 feet apart and five (5) mobile homes and travel trailers approximately 50 to 70 feet apart. These displacements would impact this particular neighborhood cohesion.

### **PART III: ANALYZE IMPACTS ON ENVIRONMENTAL JUSTICE POPULATION**

#### **I. Negative Impacts**

- a. Will there be displacements? How many are in predominantly minority and/or low income census geographies versus non-minority and non-low income geographies? There will be nine (9) potential residential and seven (7) potential personal property displacements along the north side of the existing US-70.

In the Community Study Area, 31 of the 39 populated census blocks include minority individuals, but only three (3) of the nine (9) potential residential displacements occur in a census block with minority individuals identified. (Figure 3b-3c). Residential relocations R2, R3 & R4 would occur within a census block containing minority individuals (Block 1096, Block Group 1, Census Tract 9669 – 21% minority), however the proportion of minorities in this block is less than the county rate of 39%. The other six (6) residential relocations would occur within census blocks with no minority individuals identified (Block 1097, Block Group 1, Census Tract 9669 and Block 3102 Block Group 2 Census Tract 9669). Additionally, no displacements would occur in a block group containing an identified low-income population.

- b. Will there be access and travel pattern impacts? What types of impacts are in predominantly minority and/or low income census geographies versus non-minority and non-low income geographies?

The existing US-70 will remain open during construction with the existing lanes removed once the proposed roadway is completed. The proposed roadway will be on an offset parallel alignment to the north, with enough offset to accommodate the future divided four-lane facility with a 64-foot median. All drives and access will be maintained during and following construction. These changes are equally dispersed in minority and non-minority areas. There are no census block groups containing a low-income population within the Community Study Area.

- c. Will there be community cohesion impacts? What types of impacts are in predominantly minority and/or low income census geographies versus non-minority and non-low income geographies?

The proposed Project will shift the existing separation resulting from the current US-70 highway to the north with enough offset to accommodate the future divided four-lane facility with a 64-foot median. This change is equally dispersed in minority and non-minority areas. Only three (3) of the nine (9) potential residential displacements occur in a census block containing minority individuals. There are no census block groups containing a low-income population within the Community Study Area.

Eight (8) of the nine (9) residences expected to be relocated, however, are clustered together along an approximate 800-foot stretch of US-70 in two (2) groups of three (3)

houses 100 feet apart and five (5) mobile homes and travel trailers approximately 50 to 70 feet apart. These displacements would impact this particular neighborhood cohesion.

- d. Will the community experience any negative impacts to air quality or water quality from increased noise level or from hazardous materials?  
None are expected.
- e. What types of impacts are in predominately minority and/or low income census geographies versus non-minority and non-low income census geographies?  
None
- f. Has the community experienced substantial impacts from past transportation projects, such as a new roadway causing large number of displacements or introducing a barrier and separating parts of the community? Describe.  
No
- g. Has the community experienced substantial impacts from any other major project, such as utilities, industry, etc.? Describe.  
No
- h. Does the community have a negative perception of the project or impacts? Are these opinions of the affected EJ population?  
No

## II. Positive Impacts

- a. Would the project add capacity? Explain.  
No – although the new lanes will be constructed offset to the north allowing for a future 4-lane divided facility to be constructed with a 64-foot wide median.
- b. Does the project substantially increase access or mobility/travel patterns (*reduce travel times, create travel options, increase reliability, etc.*)? Explain.  
No
- c. Does the project improve safety (*access management, intersection improvement, site distance, etc.*)? Explain.  
Yes – the proposed project will add 8-foot paved shoulders along approximately 5.8 miles of US-70 and add left turn lanes at Main Street (NS-4403) in the Town of Swink and at SH-209.
- d. Does the project improve economic development?  
No
- e. Does the community have a positive perception of the project or impacts? Are these opinions of the affected EJ population?

Yes – Two (2) of the four (4) individuals that submitted comments during the virtual open house were in favor of the proposed US-70 improvements. Two (2) individuals did not express approval or disapproval for the proposal but requested additional information or made suggestions. No individuals expressed disapproval for the proposed project.

### III. Mitigation Measures

- a. Are there any design elements proposed to avoid impacts on the EJ population?  
Describe  
N/A
- b. Is there any mitigation proposed to specifically lessen the severity of these impacts on EJ populations? Describe.  
N/A
- c. If there are any impacts to minority or low-income populations, would these impacts still be considered disproportionately high and adverse compared to the non-EJ population after mitigation has been applied? Describe.  
N/A

**Analyze Impacts on Environmental Justice Population Summary: Based on the information above, how will the proposed project impact the EJ population? NOTE: This summary should be included in the NEPA write up.**

The population within the Community Study Area is 72% white, 2% black, 10% American Indian, and 1% some other race with 14% reporting two or more races. The total Hispanic population is 1%. The population is 95% English speaking only with only 1% reporting speaking English less than very well. Fifty-four percent of households reported an income base below \$50,000. Nine (9) residential relocations are expected with this project. No minority or low-income populations have been identified that could suffer disproportionately or be adversely affected by the proposed project.

## PART IV: PUBLIC INVOLVEMENT

*Refer to the Public Involvement Plan for further guidance. Please note if material is available to view on ODOT website. If no public meeting is required, skip to Part V: Conclusion Statement.*

### I. Public Involvement

Was public involvement completed for this project? If yes, describe what measures were implemented to provide meaningful public involvement for the EJ population.

A virtual open house was conducted between June 29, and July 13, 2022. The web-based format presented the purpose and need for the project and the proposed improvements under consideration. Visitors to the website were able to sign in, review the project background and proposed project description, view an interactive project map, read frequently asked questions, and submit a comment.

Notification letters were mailed to 29 public officials and 24 agencies. Notification letters were also sent to the Caddo Nation, Choctaw Nation, Delaware Nation, Osage Nation, Quapaw Nation, and Wichita & Affiliated Tribes. Brochures were mailed specifically addressed to 31 property owners and 7 utility owners within the NEPA Project Area. Brochures were provided to the Cornith Baptist Church, Fort Towson High School, the Fort Towson Historic Site, and Dorries Hardware & Sales in Valliant. Additionally, 719 brochures were mailed through Every Door Direct to addresses within and surrounding the proposed Project area. Direct mailing of pamphlets helps to ensure that individuals who are leasing property within the study area will get the information, as well as the property owners receiving notification through the mail. As the postal route serves a larger area, more people who use the US-70 roadway received the information, as well, further increasing the opportunity for input.

Over the 14-day period the website was live, 96 unique users viewed the website. The most viewed page, after the home page, was the interactive map with 35 views, followed by the property acquisition and sign in/handout pages (33 views each) and project description and project background pages (31 views each). The FAQs and comment pages had 17 and 11 views, respectively. Seven (7) people signed-in at the website, representing local constituents, landowners, business, agencies, and Tribes. Sign-in to the website, however, was not required.

Two (2) of the four (4) individuals that submitted comments were in favor of the proposed US-70 improvements. Two (2) individuals did not express approval or disapproval for the proposal but requested additional information or made suggestions. No individuals expressed disapproval for the proposed project.

## II. Limited English Proficiency

- a. Were there LEP persons identified in the project area? What languages do they speak?  
Only one of the four census block groups adjacent to the proposed Project contains a small percent of LEP persons. Out of the 3,325 people over the age of five in the adjacent census block groups, 33 people speak English less than “very well.” The majority of the LEP population within the adjacent census block groups speak Spanish, followed by Asian/Pacific Islander languages. Table 4 provides additional details regarding LEP persons within the Community Study Area.
- b. Does the percentage of LEP persons meet ODOT standards to require LEP documents/interpreter? (*Refer to the Public Involvement Plan for standards*)  
No – less than one percent of the total population within the four adjacent block groups is considered LEP.
- c. What public involvement techniques were used or plan to be used?  
Notification letters were mailed to public officials, agencies, Tribes, and property owners prior to the virtual open house. Additional brochures were mailed through Every Door Direct to addresses within and surrounding the proposed Project area.
- d. Was assistance in a language other than English requested or is it anticipated to be requested? Describe  
No
- e. How were LEP persons accommodated during the public involvement process?

No special accommodations were requested or used during the virtual open house.

- f. Is any more public involvement planned? Will LEP persons continue to be accommodated? Describe  
No further public involvement is planned for this project.

**Public Involvement Summary: Based on the information above and public involvement documentation, were the EJ and LEP population given the opportunity for meaningful involvement in the NEPA process?** *NOTE: This summary should be included in the NEPA write up.* Minority and low-income populations as well as LEP persons were given the opportunity for meaningful involvement in the NEPA process. As reflected in current census data, none of the census geographies within the Community Study Area show a median household income lower than the 2021 DHHS Poverty Guideline for a family of four. And although, 31 of the 39 populated census blocks within the Community Study Area include minority individuals, the total percent minority is 28% and lower than that for Choctaw County (39%). The LEP percentage for the Community Study Area is less than 1%. Virtual open house notifications were mailed to public officials, agencies, Tribes, property owners and through Every Door Direct to addresses within and surrounding the proposed Project area.

## PART V: CONCLUSION STATEMENT

**Conclusion: Based on the information in this form, will the proposed project have disproportionately high and adverse impacts on minority and/or low-income populations?**

*NOTE: The conclusion statement should be included in the NEPA write up.*

No

- a. If it has been determined that there will be no adverse effects on identified EJ populations by the proposed project, the NEPA document should reflect that determination. The statement of a determination of no adverse impacts is:
- i. "No adverse effects have been identified to adversely impact minority or low-income populations by the proposed project as determined above. Therefore, in accordance with the provisions of E.O. 12898 and FHWA Order 6640.23, no further Environmental Justice analysis is required."
- b. If there are no disproportionately high and adverse effects on minority and/or low income populations once mitigation and benefits are considered, that determination should be stated in the document and the EJ evaluation is complete. The statement of a determination of no disproportionately high and adverse effects:
- i. "Based on the analysis above, the XYZ alternative(s) will not cause disproportionately high and adverse effects on any minority or low-income populations in accordance with the provisions of E.O. 12898 and FHWA Order 6640.23. No further Environmental Justice analysis is required."
- c. If there is a disproportionately high and adverse effect on an EJ population, after taking benefits and mitigation into account, the NEPA document must evaluate whether there is a further practicable mitigation measure or practicable alternative that would avoid or reduce the disproportionately high and adverse effect(s).

- i. The social, economic (including costs) and environmental effects of avoiding or mitigating the adverse effects should be taken into account.
    - ii. FHWA will approve the proposed action only if it determines no such practicable measures exist, and the determination must be stated in the document.
    - iii. The NEPA document needs to describe how the impacted populations/communities were involved in the decision-making process.
    - iv. The document needs to also identify what practicable mitigation commitments have been made.
  - d. FHWA will not approve the proposed action with disproportionately high and adverse effects unless it is determined:
    - i. There is a substantial need for the project, based on the overall public interest; and
    - ii. Alternatives that would have less adverse effects on protected populations have either:
      - 1. Adverse social, economic, environmental, or human health impacts that are more severe; or would involve increased costs of an extraordinary magnitude.

## Appendix A – Figures

**Appendix B – 60% Plan Mark Up**



Location: Blockgroup: 400874002041  
 Ring (buffer): 0-mile radius  
 Description:

Summary of ACS Estimates	2016 - 2020
Population	2,424
Population Density (per sq. mile)	69
People of Color Population	593
% People of Color Population	24%
Households	859
Housing Units	903
Housing Units Built Before 1950	6
Per Capita Income	31,439
Land Area (sq. miles) (Source: SF1)	35.23
% Land Area	98%
Water Area (sq. miles) (Source: SF1)	0.58
% Water Area	2%

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Race</b>			
Total	2,424	100%	309
Population Reporting One Race	2,176	90%	481
White	1,918	79%	279
Black	2	0%	6
American Indian	143	6%	77
Asian	3	0%	4
Pacific Islander	0	0%	10
Some Other Race	110	5%	105
Population Reporting Two or More Races	248	10%	129
Total Hispanic Population	344	14%	145
Total Non-Hispanic Population	2,080		
White Alone	1,831	76%	277
Black Alone	2	0%	6
American Indian Alone	135	6%	73
Non-Hispanic Asian Alone	3	0%	4
Pacific Islander Alone	0	0%	10
Other Race Alone	3	0%	5
Two or More Races Alone	106	4%	57
<b>Population by Sex</b>			
Male	1,272	52%	172
Female	1,152	48%	183
<b>Population by Age</b>			
Age 0-4	137	6%	63
Age 0-17	620	26%	135
Age 18+	1,804	74%	227
Age 65+	349	14%	112

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020

Location: Blockgroup: 400874002041  
 Ring (buffer): 0-mile radius  
 Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population 25+ by Educational Attainment</b>			
Total	1,584	100%	179
Less than 9th Grade	33	2%	24
9th - 12th Grade, No Diploma	93	6%	60
High School Graduate	437	28%	94
Some College, No Degree	482	30%	126
Associate Degree	90	6%	40
Bachelor's Degree or more	449	28%	99
<b>Population Age 5+ Years by Ability to Speak English</b>			
Total	2,287	100%	277
Speak only English	2,049	90%	264
Non-English at Home <sup>1+2+3+4</sup>	238	10%	118
<sup>1</sup> Speak English "very well"	142	6%	71
<sup>2</sup> Speak English "well"	60	3%	62
<sup>3</sup> Speak English "not well"	14	1%	21
<sup>4</sup> Speak English "not at all"	22	1%	24
<sup>3+4</sup> Speak English "less than well"	36	2%	30
<sup>2+3+4</sup> Speak English "less than very well"	96	4%	68
<b>Linguistically Isolated Households*</b>			
Total	7	100%	16
Speak Spanish	7	100%	12
Speak Other Indo-European Languages	0	0%	10
Speak Asian-Pacific Island Languages	0	0%	10
Speak Other Languages	0	0%	10
<b>Households by Household Income</b>			
Household Income Base	859	100%	122
< \$15,000	36	4%	21
\$15,000 - \$25,000	33	4%	25
\$25,000 - \$50,000	136	16%	56
\$50,000 - \$75,000	222	26%	101
\$75,000 +	432	50%	108
<b>Occupied Housing Units by Tenure</b>			
Total	859	100%	122
Owner Occupied	750	87%	112
Renter Occupied	109	13%	42
<b>Employed Population Age 16+ Years</b>			
Total	1,904	100%	208
In Labor Force	1,163	61%	175
Civilian Unemployed in Labor Force	27	1%	26
Not In Labor Force	741	39%	143

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)

\*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: Blockgroup: 400874002041

Ring (buffer): 0-mile radius

Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Language Spoken at Home*</b>			
Total (persons age 5 and above)	4,920	100%	343
English	4,556	93%	335
Spanish	301	6%	132
French, Haitian, or Cajun	3	0%	6
German or other West Germanic	25	1%	24
Russian, Polish, or Other Slavic	0	0%	14
Other Indo-European	6	0%	7
Korean	0	0%	14
Chinese (including Mandarin, Cantonese)	0	0%	14
Vietnamese	0	0%	14
Tagalog (including Filipino)	11	0%	17
Other Asian and Pacific Island	13	0%	20
Arabic	5	0%	9
Other and Unspecified	0	0%	14
Total Non-English	364	7%	479

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.  
N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.  
\*Population by Language Spoken at Home is available at the census tract summary level and up.

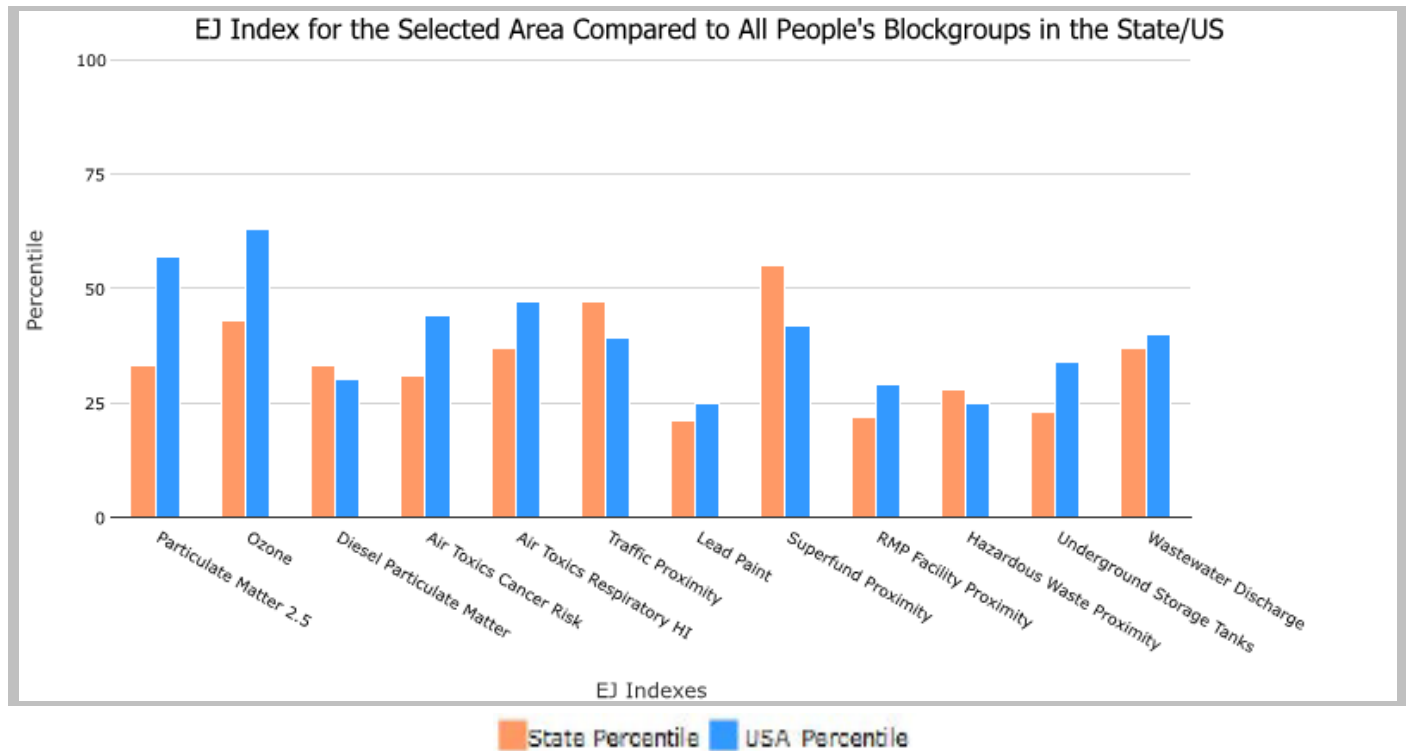
## EJScreen Report (Version 2.1)

Blockgroup: 400874002041, OKLAHOMA, EPA Region 6

Approximate Population: 2,424

Input Area (sq. miles): 35.81

Selected Variables	State Percentile	USA Percentile
<b>Environmental Justice Indexes</b>		
EJ Index for Particulate Matter 2.5	33	57
EJ Index for Ozone	43	63
EJ Index for Diesel Particulate Matter*	33	30
EJ Index for Air Toxics Cancer Risk*	31	44
EJ Index for Air Toxics Respiratory HI*	37	47
EJ Index for Traffic Proximity	47	39
EJ Index for Lead Paint	21	25
EJ Index for Superfund Proximity	55	42
EJ Index for RMP Facility Proximity	22	29
EJ Index for Hazardous Waste Proximity	28	25
EJ Index for Underground Storage Tanks	23	34
EJ Index for Wastewater Discharge	37	40

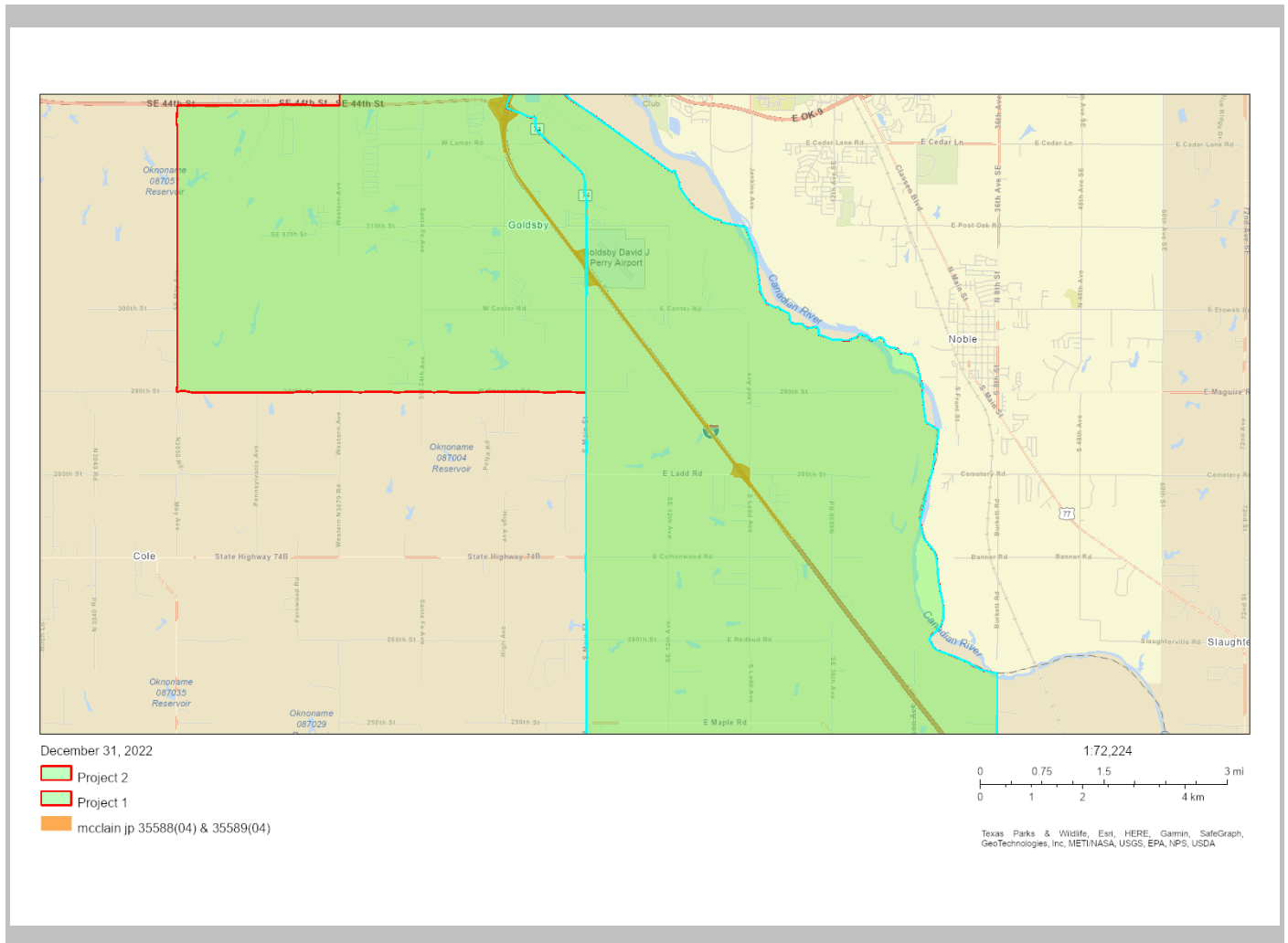


This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective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

**Blockgroup: 400874002041, OKLAHOMA, EPA Region 6**

**Approximate Population: 2,424**

**Input Area (sq. miles): 35.81**



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

## EJScreen Report (Version 2.1)

**Blockgroup: 400874002041, OKLAHOMA, EPA Region 6**

**Approximate Population: 2,424**

**Input Area (sq. miles): 35.81**

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
<b>Pollution and Sources</b>					
Particulate Matter 2.5 ( $\mu\text{g}/\text{m}^3$ )	9.58	9.64	43	8.67	78
Ozone (ppb)	47	46	54	42.5	85
Diesel Particulate Matter* ( $\mu\text{g}/\text{m}^3$ )	0.146	0.201	40	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	30	29	88	28	80-90th
Air Toxics Respiratory HI*	0.4	0.39	80	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	180	250	71	760	44
Lead Paint (% Pre-1960 Housing)	0.037	0.23	25	0.27	23
Superfund Proximity (site count/km distance)	0.053	0.047	80	0.13	45
RMP Facility Proximity (facility count/km distance)	0.15	0.59	26	0.77	27
Hazardous Waste Proximity (facility count/km distance)	0.11	0.87	34	2.2	21
Underground Storage Tanks (count/km <sup>2</sup> )	0.1	1.7	26	3.9	28
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00065	0.088	56	12	45
<b>Socioeconomic Indicators</b>					
Demographic Index	20%	36%	18	35%	31
People of Color	24%	35%	35	40%	44
Low Income	15%	36%	16	30%	26
Unemployment Rate	2%	5%	34	5%	37
Limited English Speaking Households	1%	2%	68	5%	57
Less Than High School Education	8%	11%	40	12%	48
Under Age 5	6%	7%	49	6%	56
Over Age 64	14%	16%	48	16%	46

\*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>.

For additional information, see: [www.epa.gov/environmentaljustice](http://www.epa.gov/environmentaljustice)

EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

Location: Blockgroup: 400874002043  
 Ring (buffer): 0-mile radius  
 Description:

Summary of ACS Estimates		2016 - 2020
Population		2,049
Population Density (per sq. mile)		105
People of Color Population		446
% People of Color Population		22%
Households		605
Housing Units		614
Housing Units Built Before 1950		12
Per Capita Income		39,428
Land Area (sq. miles) (Source: SF1)		19.49
% Land Area		99%
Water Area (sq. miles) (Source: SF1)		0.16
% Water Area		1%

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Race</b>			
Total	2,049	100%	287
Population Reporting One Race	1,924	94%	380
White	1,753	86%	276
Black	0	0%	10
American Indian	152	7%	52
Asian	11	1%	17
Pacific Islander	0	0%	10
Some Other Race	8	0%	15
Population Reporting Two or More Races	125	6%	67
Total Hispanic Population	167	8%	91
Total Non-Hispanic Population	1,882		
White Alone	1,603	78%	245
Black Alone	0	0%	10
American Indian Alone	148	7%	50
Non-Hispanic Asian Alone	11	1%	17
Pacific Islander Alone	0	0%	10
Other Race Alone	0	0%	10
Two or More Races Alone	120	6%	67
<b>Population by Sex</b>			
Male	1,231	60%	200
Female	818	40%	136
<b>Population by Age</b>			
Age 0-4	137	7%	65
Age 0-17	667	33%	148
Age 18+	1,382	67%	201
Age 65+	298	15%	95

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020

Location: Blockgroup: 400874002043  
 Ring (buffer): 0-mile radius  
 Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population 25+ by Educational Attainment</b>			
Total	1,317	100%	188
Less than 9th Grade	28	2%	29
9th - 12th Grade, No Diploma	51	4%	38
High School Graduate	421	32%	122
Some College, No Degree	184	14%	61
Associate Degree	110	8%	55
Bachelor's Degree or more	523	40%	112
<b>Population Age 5+ Years by Ability to Speak English</b>			
Total	1,912	100%	265
Speak only English	1,796	94%	261
Non-English at Home <sup>1+2+3+4</sup>	116	6%	50
<sup>1</sup> Speak English "very well"	53	3%	40
<sup>2</sup> Speak English "well"	37	2%	31
<sup>3</sup> Speak English "not well"	26	1%	21
<sup>4</sup> Speak English "not at all"	0	0%	10
<sup>3+4</sup> Speak English "less than well"	26	1%	21
<sup>2+3+4</sup> Speak English "less than very well"	63	3%	37
<b>Linguistically Isolated Households*</b>			
Total	11	100%	14
Speak Spanish	11	100%	10
Speak Other Indo-European Languages	0	0%	10
Speak Asian-Pacific Island Languages	0	0%	10
Speak Other Languages	0	0%	10
<b>Households by Household Income</b>			
Household Income Base	605	100%	69
< \$15,000	48	8%	32
\$15,000 - \$25,000	32	5%	21
\$25,000 - \$50,000	75	12%	42
\$50,000 - \$75,000	37	6%	21
\$75,000 +	413	68%	97
<b>Occupied Housing Units by Tenure</b>			
Total	605	100%	69
Owner Occupied	581	96%	69
Renter Occupied	24	4%	18
<b>Employed Population Age 16+ Years</b>			
Total	1,521	100%	202
In Labor Force	945	62%	182
Civilian Unemployed in Labor Force	40	3%	34
Not In Labor Force	576	38%	139

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)

\*Households in which no one 14 and over speaks English "very well" or speaks English only.



Location: Blockgroup: 400874002043

Ring (buffer): 0-mile radius

Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Language Spoken at Home*</b>			
Total (persons age 5 and above)	4,920	100%	343
English	4,556	93%	335
Spanish	301	6%	132
French, Haitian, or Cajun	3	0%	6
German or other West Germanic	25	1%	24
Russian, Polish, or Other Slavic	0	0%	14
Other Indo-European	6	0%	7
Korean	0	0%	14
Chinese (including Mandarin, Cantonese)	0	0%	14
Vietnamese	0	0%	14
Tagalog (including Filipino)	11	0%	17
Other Asian and Pacific Island	13	0%	20
Arabic	5	0%	9
Other and Unspecified	0	0%	14
Total Non-English	364	7%	479

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.  
N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.  
\*Population by Language Spoken at Home is available at the census tract summary level and up.

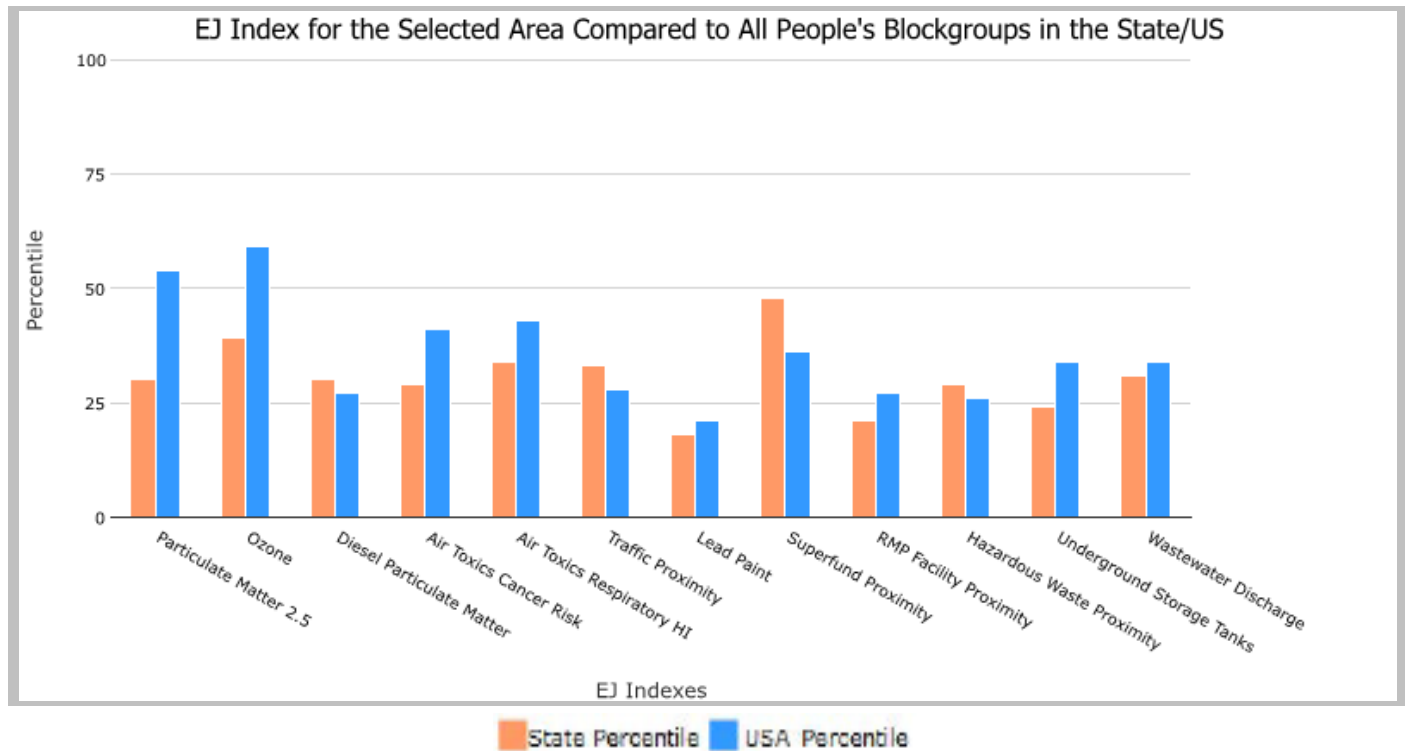
## EJScreen Report (Version 2.1)

Blockgroup: 400874002043, OKLAHOMA, EPA Region 6

Approximate Population: 2,049

Input Area (sq. miles): 19.65

Selected Variables	State Percentile	USA Percentile
<b>Environmental Justice Indexes</b>		
EJ Index for Particulate Matter 2.5	30	54
EJ Index for Ozone	39	59
EJ Index for Diesel Particulate Matter*	30	27
EJ Index for Air Toxics Cancer Risk*	29	41
EJ Index for Air Toxics Respiratory HI*	34	43
EJ Index for Traffic Proximity	33	28
EJ Index for Lead Paint	18	21
EJ Index for Superfund Proximity	48	36
EJ Index for RMP Facility Proximity	21	27
EJ Index for Hazardous Waste Proximity	29	26
EJ Index for Underground Storage Tanks	24	34
EJ Index for Wastewater Discharge	31	34



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

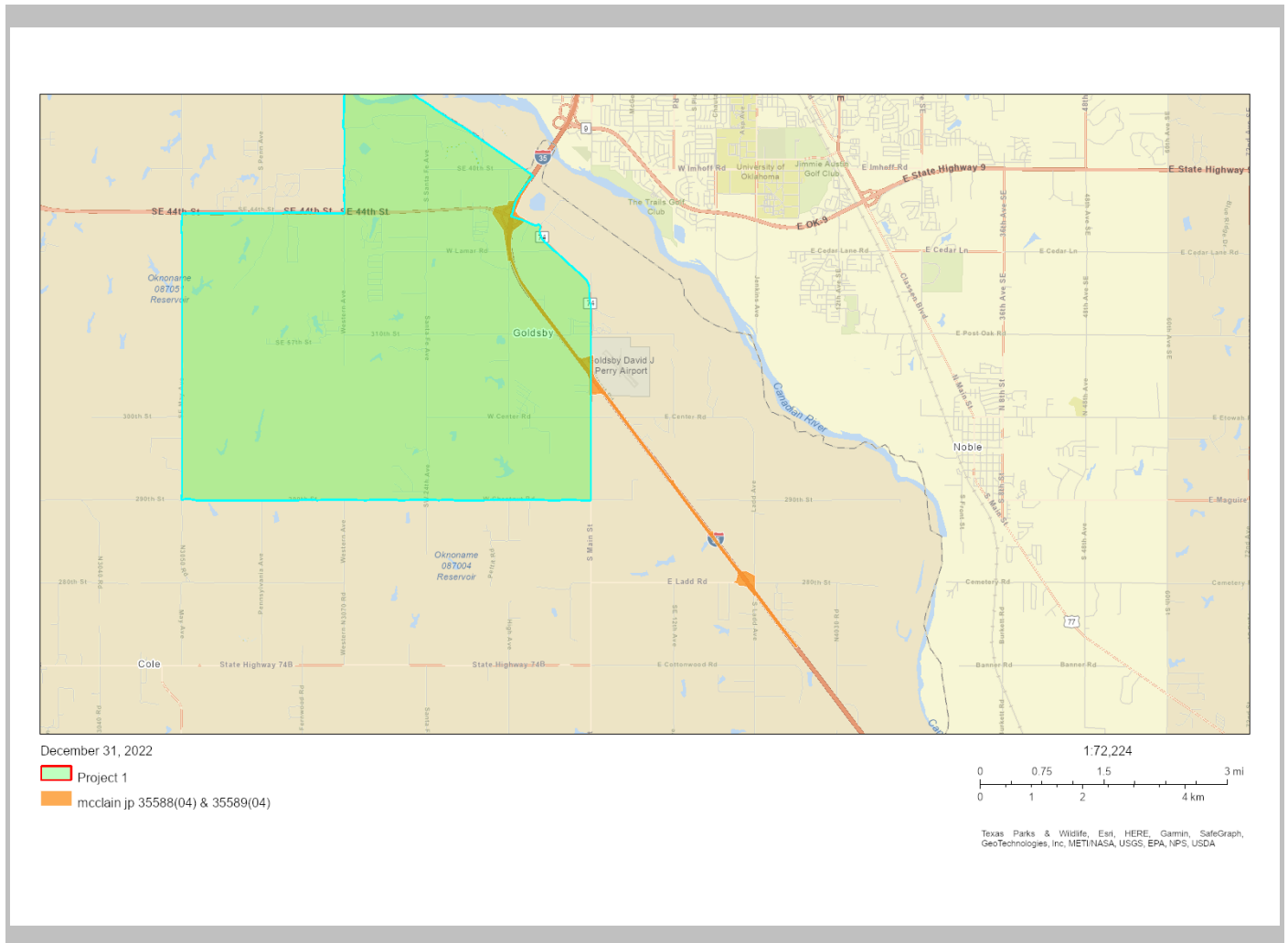
# EJScreen Report (Version 2.1)



Blockgroup: 400874002043, OKLAHOMA, EPA Region 6

Approximate Population: 2,049

Input Area (sq. miles): 19.65



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

## EJScreen Report (Version 2.1)

**Blockgroup: 400874002043, OKLAHOMA, EPA Region 6**

**Approximate Population: 2,049**

**Input Area (sq. miles): 19.65**

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
<b>Pollution and Sources</b>					
Particulate Matter 2.5 ( $\mu\text{g}/\text{m}^3$ )	9.58	9.64	43	8.67	78
Ozone (ppb)	47	46	54	42.5	85
Diesel Particulate Matter* ( $\mu\text{g}/\text{m}^3$ )	0.146	0.201	40	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	30	29	88	28	80-90th
Air Toxics Respiratory HI*	0.4	0.39	80	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	87	250	48	760	31
Lead Paint (% Pre-1960 Housing)	0.026	0.23	21	0.27	20
Superfund Proximity (site count/km distance)	0.046	0.047	76	0.13	41
RMP Facility Proximity (facility count/km distance)	0.15	0.59	27	0.77	28
Hazardous Waste Proximity (facility count/km distance)	0.15	0.87	38	2.2	25
Underground Storage Tanks (count/km <sup>2</sup> )	0.17	1.7	30	3.9	31
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.0004	0.088	51	12	41
<b>Socioeconomic Indicators</b>					
Demographic Index	18%	36%	14	35%	27
People of Color	22%	35%	29	40%	41
Low Income	13%	36%	14	30%	24
Unemployment Rate	4%	5%	52	5%	53
Limited English Speaking Households	2%	2%	75	5%	62
Less Than High School Education	6%	11%	30	12%	39
Under Age 5	7%	7%	59	6%	65
Over Age 64	15%	16%	48	16%	46

\*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>.

For additional information, see: [www.epa.gov/environmentaljustice](http://www.epa.gov/environmentaljustice)

EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

Location: User-specified polygonal location  
 Ring (buffer): 0-miles radius  
 Description:

Summary of ACS Estimates		2016 - 2020
Population		831
Population Density (per sq. mile)		57
People of Color Population		197
% People of Color Population		24%
Households		271
Housing Units		282
Housing Units Built Before 1950		3
Per Capita Income		32,574
Land Area (sq. miles) (Source: SF1)		14.60
% Land Area		98%
Water Area (sq. miles) (Source: SF1)		0.24
% Water Area		2%

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Race</b>			
Total	831	100%	357
Population Reporting One Race	756	91%	659
White	674	81%	334
Black	0	0%	104
American Indian	53	6%	77
Asian	2	0%	29
Pacific Islander	0	0%	10
Some Other Race	27	3%	105
Population Reporting Two or More Races	75	9%	129
Total Hispanic Population	103	12%	298
Total Non-Hispanic Population	728		
White Alone	634	76%	333
Black Alone	0	0%	104
American Indian Alone	50	6%	73
Non-Hispanic Asian Alone	2	0%	29
Pacific Islander Alone	0	0%	10
Other Race Alone	1	0%	10
Two or More Races Alone	40	5%	67
<b>Population by Sex</b>			
Male	455	55%	200
Female	376	45%	306
<b>Population by Age</b>			
Age 0-4	50	6%	79
Age 0-17	230	28%	159
Age 18+	601	72%	308
Age 65+	120	14%	282

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020

Location: User-specified polygonal location  
 Ring (buffer): 0-miles radius  
 Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population 25+ by Educational Attainment</b>			
Total	540	100%	307
Less than 9th Grade	11	2%	35
9th - 12th Grade, No Diploma	28	5%	143
High School Graduate	156	29%	273
Some College, No Degree	138	26%	126
Associate Degree	35	6%	55
Bachelor's Degree or more	171	32%	121
<b>Population Age 5+ Years by Ability to Speak English</b>			
Total	781	100%	346
Speak only English	710	91%	319
Non-English at Home <sup>1+2+3+4</sup>	71	9%	152
<sup>1</sup> Speak English "very well"	40	5%	89
<sup>2</sup> Speak English "well"	19	2%	62
<sup>3</sup> Speak English "not well"	7	1%	94
<sup>4</sup> Speak English "not at all"	5	1%	24
<sup>3+4</sup> Speak English "less than well"	12	2%	94
<sup>2+3+4</sup> Speak English "less than very well"	31	4%	99
<b>Linguistically Isolated Households*</b>			
Total	3	100%	49
Speak Spanish	3	100%	48
Speak Other Indo-European Languages	0	0%	10
Speak Asian-Pacific Island Languages	0	0%	10
Speak Other Languages	0	0%	10
<b>Households by Household Income</b>			
Household Income Base	271	100%	290
< \$15,000	14	5%	56
\$15,000 - \$25,000	11	4%	273
\$25,000 - \$50,000	41	15%	99
\$50,000 - \$75,000	57	21%	101
\$75,000 +	148	55%	108
<b>Occupied Housing Units by Tenure</b>			
Total	271	100%	290
Owner Occupied	242	89%	112
Renter Occupied	29	11%	278
<b>Employed Population Age 16+ Years</b>			
Total	642	100%	327
In Labor Force	394	61%	240
Civilian Unemployed in Labor Force	11	2%	55
Not In Labor Force	248	39%	302

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)

\*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: User-specified polygonal location

Ring (buffer): 0-miles radius

Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Language Spoken at Home*</b>			
Total (persons age 5 and above)	2,231	100%	343
English	2,066	93%	335
Spanish	136	6%	132
French, Haitian, or Cajun	1	0%	6
German or other West Germanic	11	1%	24
Russian, Polish, or Other Slavic	0	0%	14
Other Indo-European	3	0%	7
Korean	0	0%	14
Chinese (including Mandarin, Cantonese)	0	0%	14
Vietnamese	0	0%	14
Tagalog (including Filipino)	5	0%	17
Other Asian and Pacific Island	6	0%	20
Arabic	2	0%	9
Other and Unspecified	0	0%	14
Total Non-English	165	7%	479

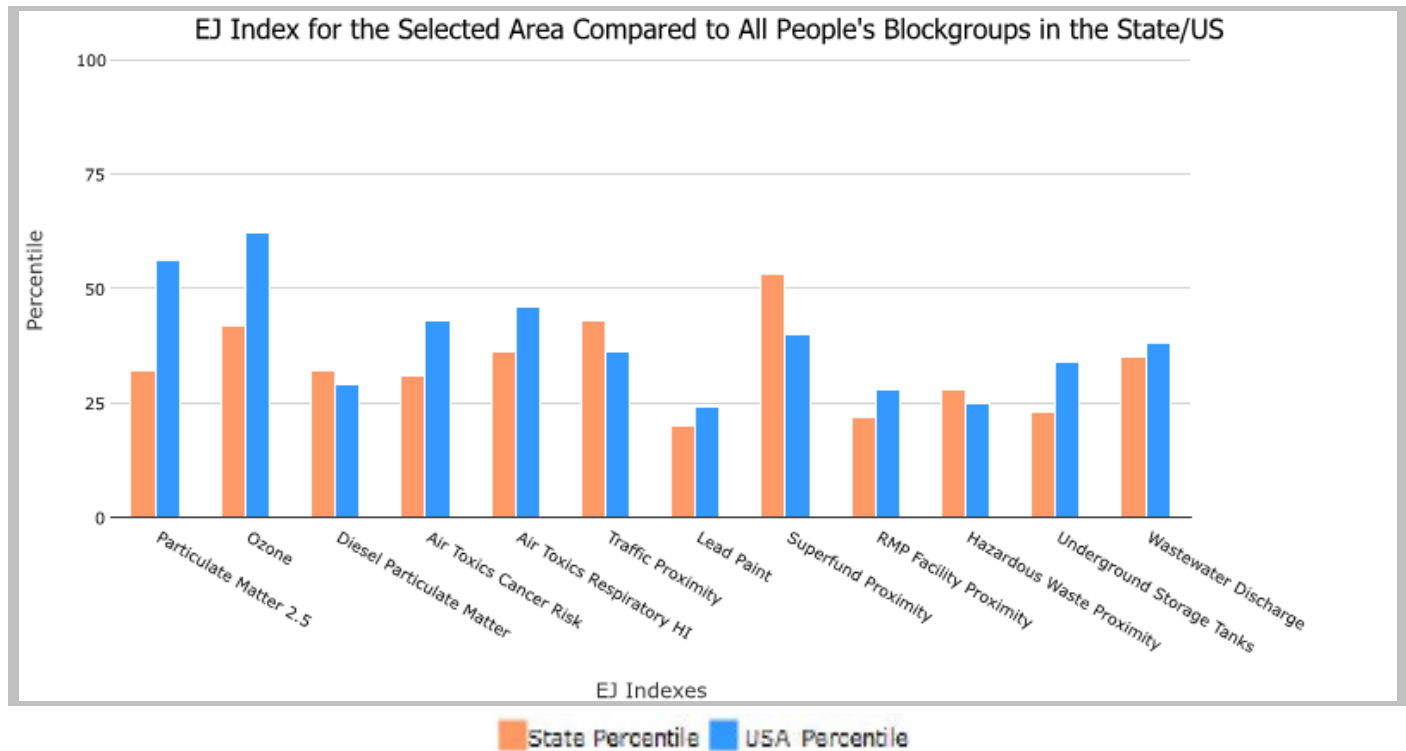
**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.  
N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.  
\*Population by Language Spoken at Home is available at the census tract summary level and up.

the User Specified Area, OKLAHOMA, EPA Region 6

Approximate Population: 831

Input Area (sq. miles): 15.02

Selected Variables	State Percentile	USA Percentile
<b>Environmental Justice Indexes</b>		
EJ Index for Particulate Matter 2.5	32	56
EJ Index for Ozone	42	62
EJ Index for Diesel Particulate Matter*	32	29
EJ Index for Air Toxics Cancer Risk*	31	43
EJ Index for Air Toxics Respiratory HI*	36	46
EJ Index for Traffic Proximity	43	36
EJ Index for Lead Paint	20	24
EJ Index for Superfund Proximity	53	40
EJ Index for RMP Facility Proximity	22	28
EJ Index for Hazardous Waste Proximity	28	25
EJ Index for Underground Storage Tanks	23	34
EJ Index for Wastewater Discharge	35	38



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



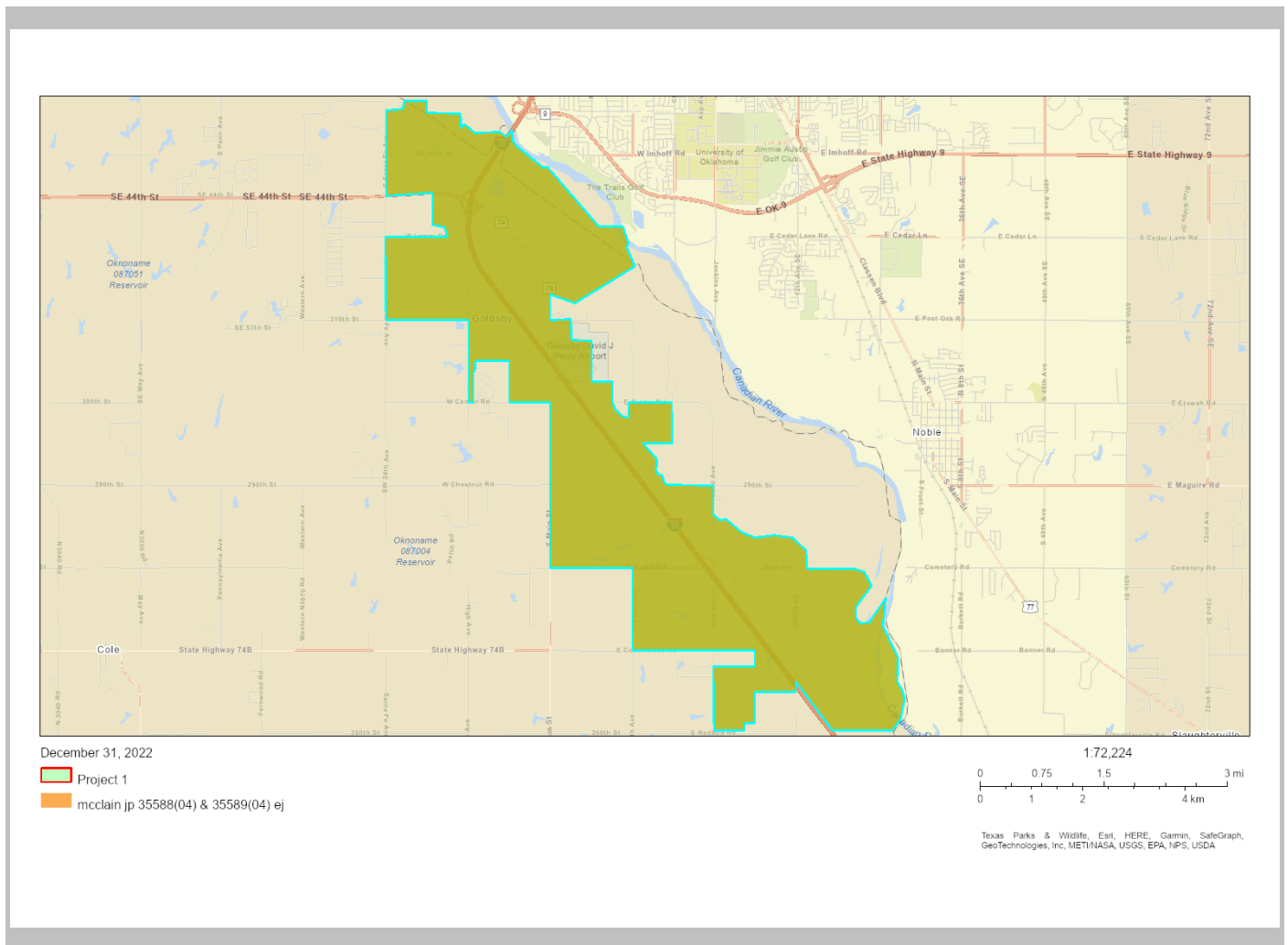
# EJScreen Report (Version 2.1)



the User Specified Area, OKLAHOMA, EPA Region 6

Approximate Population: 831

Input Area (sq. miles): 15.02



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

## EJScreen Report (Version 2.1)

the User Specified Area, OKLAHOMA, EPA Region 6

Approximate Population: 831

Input Area (sq. miles): 15.02

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
<b>Pollution and Sources</b>					
Particulate Matter 2.5 ( $\mu\text{g}/\text{m}^3$ )	9.58	9.64	43	8.67	78
Ozone (ppb)	47	46	54	42.5	85
Diesel Particulate Matter* ( $\mu\text{g}/\text{m}^3$ )	0.146	0.201	40	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	30	29	88	28	80-90th
Air Toxics Respiratory HI*	0.4	0.39	80	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	150	250	65	760	41
Lead Paint (% Pre-1960 Housing)	0.034	0.23	24	0.27	22
Superfund Proximity (site count/km distance)	0.051	0.047	79	0.13	44
RMP Facility Proximity (facility count/km distance)	0.15	0.59	26	0.77	27
Hazardous Waste Proximity (facility count/km distance)	0.12	0.87	35	2.2	22
Underground Storage Tanks (count/km <sup>2</sup> )	0.12	1.7	28	3.9	29
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00057	0.088	55	12	44
<b>Socioeconomic Indicators</b>					
Demographic Index	19%	36%	17	35%	30
People of Color	24%	35%	33	40%	43
Low Income	14%	36%	15	30%	25
Unemployment Rate	3%	5%	40	5%	42
Limited English Speaking Households	1%	2%	69	5%	59
Less Than High School Education	7%	11%	37	12%	46
Under Age 5	6%	7%	52	6%	59
Over Age 64	14%	16%	48	16%	46

\*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>.

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Location: User-specified polygonal location  
 Ring (buffer): 0.5-miles radius  
 Description:

Summary of ACS Estimates		2016 - 2020
Population		756
Population Density (per sq. mile)		105
People of Color Population		180
% People of Color Population		24%
Households		258
Housing Units		270
Housing Units Built Before 1950		2
Per Capita Income		32,574
Land Area (sq. miles) (Source: SF1)		7.16
% Land Area		99%
Water Area (sq. miles) (Source: SF1)		0.10
% Water Area		1%

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Race</b>			
Total	756	100%	357
Population Reporting One Race	686	91%	659
White	610	81%	334
Black	0	0%	104
American Indian	47	6%	77
Asian	2	0%	29
Pacific Islander	0	0%	10
Some Other Race	26	3%	105
Population Reporting Two or More Races	69	9%	129
Total Hispanic Population	96	13%	298
Total Non-Hispanic Population	660		
White Alone	576	76%	333
Black Alone	0	0%	104
American Indian Alone	45	6%	73
Non-Hispanic Asian Alone	2	0%	29
Pacific Islander Alone	0	0%	10
Other Race Alone	1	0%	10
Two or More Races Alone	36	5%	67
<b>Population by Sex</b>			
Male	411	54%	200
Female	345	46%	306
<b>Population by Age</b>			
Age 0-4	45	6%	79
Age 0-17	207	27%	159
Age 18+	549	73%	308
Age 65+	109	14%	282

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020

Location: User-specified polygonal location  
 Ring (buffer): 0.5-miles radius  
 Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population 25+ by Educational Attainment</b>			
Total	492	100%	307
Less than 9th Grade	10	2%	35
9th - 12th Grade, No Diploma	26	5%	143
High School Graduate	141	29%	273
Some College, No Degree	129	26%	126
Associate Degree	31	6%	55
Bachelor's Degree or more	153	31%	121
<b>Population Age 5+ Years by Ability to Speak English</b>			
Total	711	100%	346
Speak only English	645	91%	319
Non-English at Home <sup>1+2+3+4</sup>	66	9%	152
<sup>1</sup> Speak English "very well"	38	5%	89
<sup>2</sup> Speak English "well"	17	2%	62
<sup>3</sup> Speak English "not well"	6	1%	94
<sup>4</sup> Speak English "not at all"	5	1%	24
<sup>3+4</sup> Speak English "less than well"	11	2%	94
<sup>2+3+4</sup> Speak English "less than very well"	28	4%	99
<b>Linguistically Isolated Households*</b>			
Total	3	100%	49
Speak Spanish	3	100%	48
Speak Other Indo-European Languages	0	0%	10
Speak Asian-Pacific Island Languages	0	0%	10
Speak Other Languages	0	0%	10
<b>Households by Household Income</b>			
Household Income Base	258	100%	290
< \$15,000	13	5%	56
\$15,000 - \$25,000	11	4%	273
\$25,000 - \$50,000	39	15%	99
\$50,000 - \$75,000	57	22%	101
\$75,000 +	139	54%	108
<b>Occupied Housing Units by Tenure</b>			
Total	258	100%	290
Owner Occupied	230	89%	112
Renter Occupied	28	11%	278
<b>Employed Population Age 16+ Years</b>			
Total	585	100%	327
In Labor Force	359	61%	240
Civilian Unemployed in Labor Force	10	2%	55
Not In Labor Force	226	39%	302

**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)

\*Households in which no one 14 and over speaks English "very well" or speaks English only.

Location: User-specified polygonal location  
 Ring (buffer): 0.5-miles radius  
 Description:

	2016 - 2020 ACS Estimates	Percent	MOE (±)
<b>Population by Language Spoken at Home*</b>			
Total (persons age 5 and above)	N/A	N/A	N/A
English	N/A	N/A	N/A
Spanish	N/A	N/A	N/A
French, Haitian, or Cajun	N/A	N/A	N/A
German or other West Germanic	N/A	N/A	N/A
Russian, Polish, or Other Slavic	N/A	N/A	N/A
Other Indo-European	N/A	N/A	N/A
Korean	N/A	N/A	N/A
Chinese (including Mandarin, Cantonese)	N/A	N/A	N/A
Vietnamese	N/A	N/A	N/A
Tagalog (including Filipino)	N/A	N/A	N/A
Other Asian and Pacific Island	N/A	N/A	N/A
Arabic	N/A	N/A	N/A
Other and Unspecified	N/A	N/A	N/A
Total Non-English	N/A	N/A	N/A

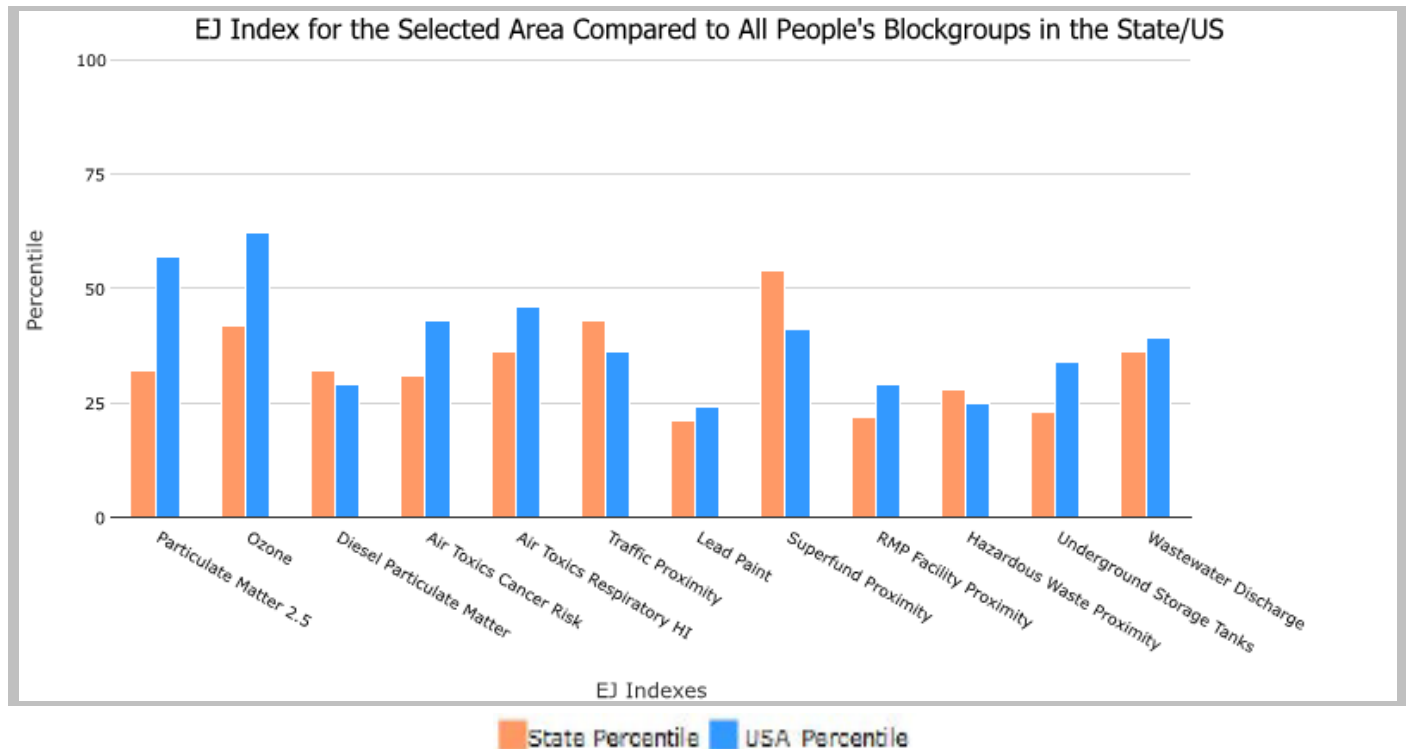
**Data Note:** Detail may not sum to totals due to rounding. Hispanic population can be of any race.  
 N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.  
 \*Population by Language Spoken at Home is available at the census tract summary level and up.

0.5 miles Ring around the Area, OKLAHOMA, EPA Region 6

Approximate Population: 756

Input Area (sq. miles): 8.49

Selected Variables	State Percentile	USA Percentile
<b>Environmental Justice Indexes</b>		
EJ Index for Particulate Matter 2.5	32	57
EJ Index for Ozone	42	62
EJ Index for Diesel Particulate Matter*	32	29
EJ Index for Air Toxics Cancer Risk*	31	43
EJ Index for Air Toxics Respiratory HI*	36	46
EJ Index for Traffic Proximity	43	36
EJ Index for Lead Paint	21	24
EJ Index for Superfund Proximity	54	41
EJ Index for RMP Facility Proximity	22	29
EJ Index for Hazardous Waste Proximity	28	25
EJ Index for Underground Storage Tanks	23	34
EJ Index for Wastewater Discharge	36	39

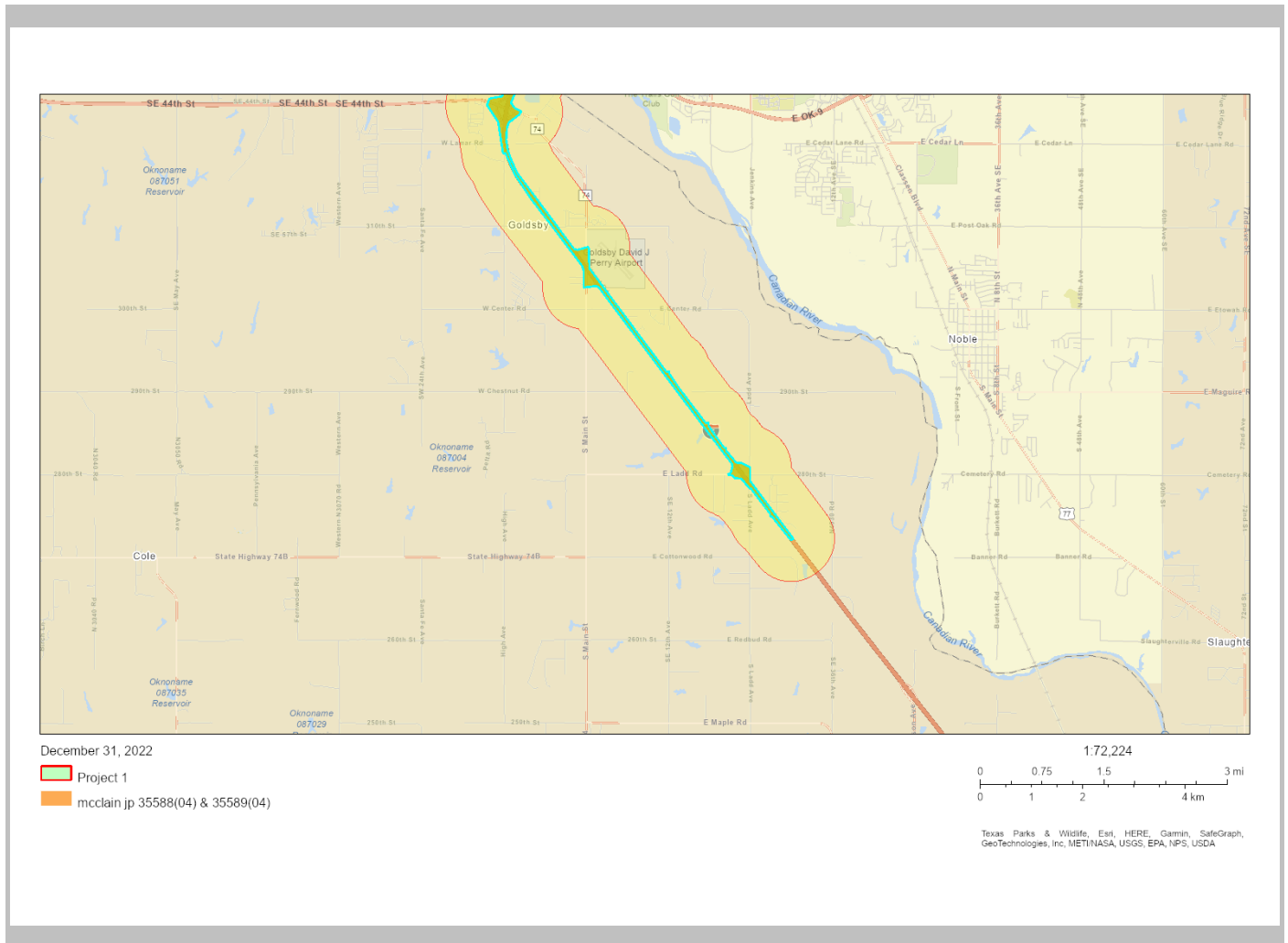


This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective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

**0.5 miles Ring around the Area, OKLAHOMA, EPA Region 6**

**Approximate Population: 756**

**Input Area (sq. miles): 8.49**



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

## EJScreen Report (Version 2.1)

0.5 miles Ring around the Area, OKLAHOMA, EPA Region 6

Approximate Population: 756

Input Area (sq. miles): 8.49

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
<b>Pollution and Sources</b>					
Particulate Matter 2.5 ( $\mu\text{g}/\text{m}^3$ )	9.58	9.64	43	8.67	78
Ozone (ppb)	47	46	54	42.5	85
Diesel Particulate Matter* ( $\mu\text{g}/\text{m}^3$ )	0.146	0.201	40	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	30	29	88	28	80-90th
Air Toxics Respiratory HI*	0.4	0.39	80	0.36	80-90th
Traffic Proximity (daily traffic count/distance to road)	150	250	66	760	41
Lead Paint (% Pre-1960 Housing)	0.034	0.23	24	0.27	22
Superfund Proximity (site count/km distance)	0.051	0.047	79	0.13	44
RMP Facility Proximity (facility count/km distance)	0.15	0.59	26	0.77	27
Hazardous Waste Proximity (facility count/km distance)	0.12	0.87	35	2.2	22
Underground Storage Tanks (count/km <sup>2</sup> )	0.12	1.7	28	3.9	29
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00059	0.088	55	12	44
<b>Socioeconomic Indicators</b>					
Demographic Index	19%	36%	17	35%	30
People of Color	24%	35%	33	40%	44
Low Income	14%	36%	15	30%	26
Unemployment Rate	3%	5%	39	5%	41
Limited English Speaking Households	1%	2%	69	5%	58
Less Than High School Education	7%	11%	38	12%	46
Under Age 5	6%	7%	51	6%	59
Over Age 64	14%	16%	48	16%	46

\*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>.

For additional information, see: [www.epa.gov/environmentaljustice](http://www.epa.gov/environmentaljustice)

EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.