

Appendix B-4

EJScreen Community Report and Climate and Economic Justice Screen Tool Results



EJScreen Community Report

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

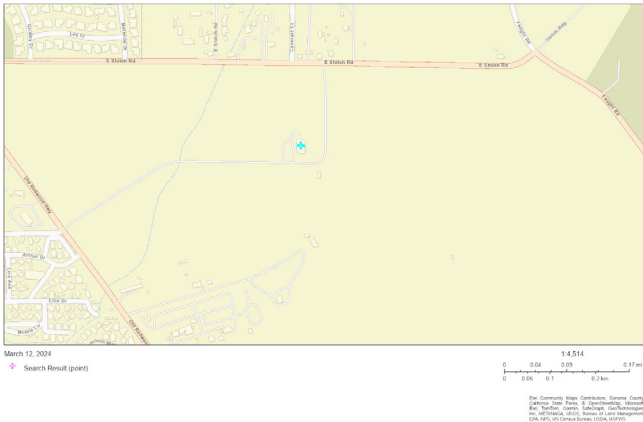
Larkfield-Wikiup, CA

1 mile Ring Centered at 38.524054,-122.770425

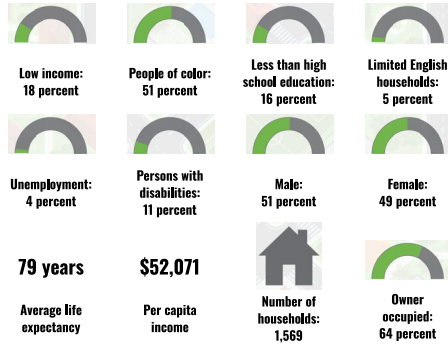
Population: 4,095

Area in square miles: 3.14

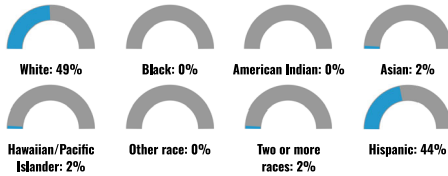
A3 Landscape



COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	71%
Spanish	26%
Other Indo-European	1%
Other Asian and Pacific Island	1%
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.

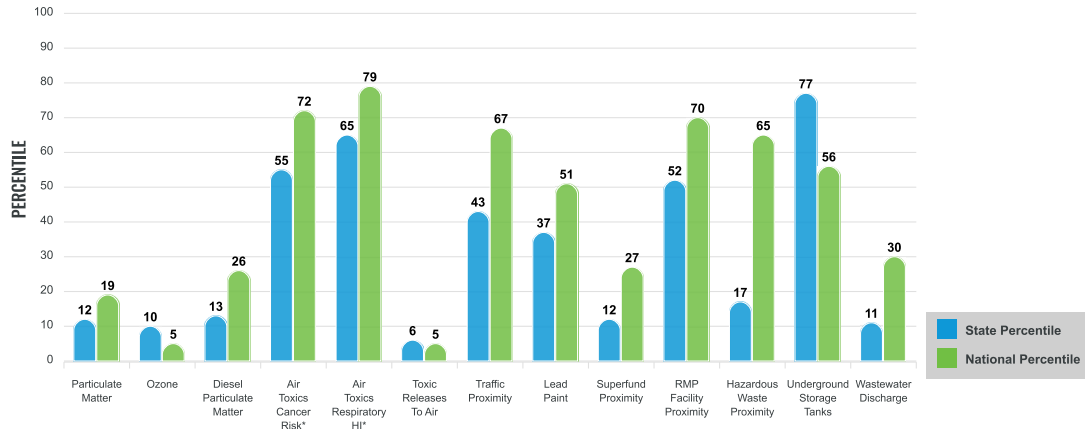
Environmental Justice & Supplemental Indexes

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.

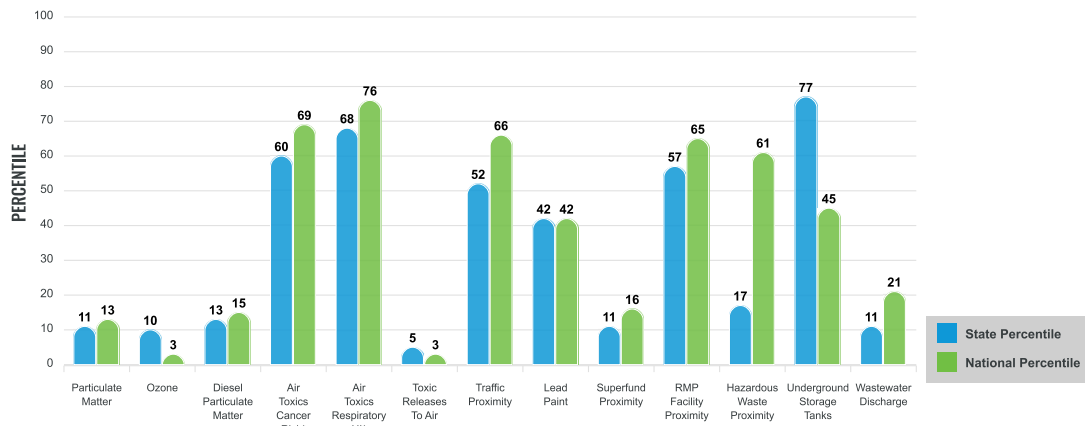
EJ INDEXES FOR THE SELECTED LOCATION



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 1 mile Ring Centered at 38.524054,-122.770425

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m ³)	6.24	8.65	9	8.08	10
Ozone (ppb)	50.8	65.9	8	61.6	2
Diesel Particulate Matter (µg/m ³)	0.0911	0.26	10	0.261	13
Air Toxics Cancer Risk* (lifetime risk per million)	30	27	42	25	52
Air Toxics Respiratory HI*	0.4	0.34	58	0.31	70
Toxic Releases to Air	0.13	780	5	4,600	3
Traffic Proximity (daily traffic count/distance to road)	270	510	60	210	81
Lead Paint (% Pre-1960 Housing)	0.12	0.31	38	0.3	38
Superfund Proximity (site count/km distance)	0.018	0.17	9	0.13	15
RMP Facility Proximity (facility count/km distance)	0.35	0.57	63	0.43	70
Hazardous Waste Proximity (facility count/km distance)	0.99	5.9	14	1.9	61
Underground Storage Tanks (count/km ²)	1.1	1.5	76	3.9	49
Wastewater Discharge (toxicity-weighted concentration/m distance)	1.2E-05	4	10	22	18
SOCIOECONOMIC INDICATORS					
Demographic Index	34%	45%	35	35%	57
Supplemental Demographic Index	12%	15%	42	14%	44
People of Color	51%	61%	38	39%	67
Low Income	18%	28%	38	31%	33
Unemployment Rate	4%	7%	37	6%	47
Limited English Speaking Households	5%	9%	49	5%	74
Less Than High School Education	16%	16%	62	12%	74
Under Age 5	5%	6%	52	6%	54
Over Age 64	22%	16%	79	17%	74
Low Life Expectancy	19%	18%	62	20%	42

*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/hazwair-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	1

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	Yes

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 1 mile Ring Centered at 38.524054,-122.770425

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	19%	18%	62	20%	42
Heart Disease	6.3	5.2	80	6.1	54
Asthma	10.1	9.5	65	10	55
Cancer	7.1	5.3	84	6.1	72
Persons with Disabilities	11.5%	10.9%	62	13.4%	42

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	19%	13%	79	12%	84
Wildfire Risk	0%	30%	0	14%	0

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	9%	10%	57	14%	43
Lack of Health Insurance	3%	7%	28	9%	23
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 1 mile Ring Centered at 38.524054,-122.770425

Climate and Economic Justice Screen Tool Results

Census tract 2010 ID	06097152701
County Name	Sonoma County
State/Territory	California
Percent Black or African American alone	0
Percent American Indian / Alaska Native	0
Percent Asian	0.03
Percent Native Hawaiian or Pacific	0
Percent two or more races	0.06
Percent White	0.66
Percent Hispanic or Latino	0.25
Percent other races	0.06
Percent age under 10	0.06
Percent age 10 to 64	0.69
Percent age over 64	0.23
Total threshold criteria exceeded	0
Total categories exceeded	0
Identified as disadvantaged without considering neighbors	FALSE
Identified as disadvantaged based on neighbors and relaxed low income threshold only	FALSE
Identified as disadvantaged due to tribal overlap	
Identified as disadvantaged	FALSE
Percentage of tract that is disadvantaged by area	0
Share of neighbors that are identified as disadvantaged	0
Total population	4804
Adjusted percent of individuals below 200% Federal Poverty Line (percentile)	0.36
Adjusted percent of individuals below 200% Federal Poverty Line	0.15
Is low income?	FALSE
Income data has been estimated based on geographic neighbor income	FALSE
Greater than or equal to the 90th percentile for expected agriculture loss rate and is low income?	FALSE

Expected agricultural loss rate (Natural Hazards Risk Index) (percentile)	99
Expected agricultural loss rate (Natural Hazards Risk Index)	9.7198
Greater than or equal to the 90th percentile for expected building loss rate and is low income?	FALSE
Expected building loss rate (Natural Hazards Risk Index) (percentile)	84
Expected building loss rate (Natural Hazards Risk Index)	0.0576
Greater than or equal to the 90th percentile for expected population loss rate and is low income?	FALSE
Expected population loss rate (Natural Hazards Risk Index) (percentile)	9
Expected population loss rate (Natural Hazards Risk Index)	0
Share of properties at risk of flood in 30 years (percentile)	46
Share of properties at risk of flood in 30 years	7
Greater than or equal to the 90th percentile for share of properties at risk of flood in 30 years	FALSE
Greater than or equal to the 90th percentile for share of properties at risk of flood in 30 years and is low income?	FALSE
Share of properties at risk of fire in 30 years (percentile)	75
Share of properties at risk of fire in 30 years	15
Greater than or equal to the 90th percentile for share of properties at risk of fire in 30 years	FALSE
Greater than or equal to the 90th percentile for share of properties at risk of fire in 30 years and is low income?	FALSE
Greater than or equal to the 90th percentile for energy burden and is low income?	FALSE
Energy burden (percentile)	24

Energy burden	2
Greater than or equal to the 90th percentile for PM2.5 exposure and is low income?	FALSE
PM2.5 in the air (percentile)	67
PM2.5 in the air	9.17
Greater than or equal to the 90th percentile for diesel particulate matter and is low income?	FALSE
Diesel particulate matter exposure (percentile)	10
Diesel particulate matter exposure	0.08
Greater than or equal to the 90th percentile for traffic proximity and is low income?	FALSE
Traffic proximity and volume (percentile)	54
Traffic proximity and volume	349.29
Greater than or equal to the 90th percentile for DOT transit barriers and is low income?	FALSE
DOT Travel Barriers Score (percentile)	13
Greater than or equal to the 90th percentile for housing burden and is low income?	FALSE
Housing burden (percent) (percentile)	66
Housing burden (percent)	28
Greater than or equal to the 90th percentile for lead paint, the median house value is less than 90th percentile and is low income?	FALSE
Percent pre-1960s housing (lead paint indicator) (percentile)	27
Percent pre-1960s housing (lead paint indicator)	8
Median value (\$) of owner-occupied housing units (percentile)	91
Median value (\$) of owner-occupied housing units	584000
Greater than or equal to the 90th percentile for share of the tract's land area that is covered by impervious surface or cropland as a percent and is low income?	FALSE

Greater than or equal to the 90th percentile for share of the tract's land area that is covered by impervious surface or cropland as a percent	FALSE
Share of the tract's land area that is covered by impervious surface or cropland as a percent	1216
Share of the tract's land area that is covered by impervious surface or cropland as a percent (percentile)	15
Does the tract have at least 35 acres in it?	TRUE
Tract experienced historic underinvestment and remains low income	FALSE
Tract experienced historic underinvestment	
Share of homes with no kitchen or indoor plumbing (percentile)	0.75
Share of homes with no kitchen or indoor plumbing (percent)	0.01
Greater than or equal to the 90th percentile for proximity to hazardous waste facilities and is low income?	FALSE
Proximity to hazardous waste sites (percentile)	49
Proximity to hazardous waste sites	0.74
Greater than or equal to the 90th percentile for proximity to superfund sites and is low income?	FALSE
Proximity to NPL (Superfund) sites (percentile)	25
Proximity to NPL (Superfund) sites	0.02
Greater than or equal to the 90th percentile for proximity to RMP sites and is low income?	FALSE
Proximity to Risk Management Plan (RMP) facilities (percentile)	47
Proximity to Risk Management Plan (RMP) facilities	0.32
Is there at least one Formerly Used Defense Site (FUDS) in the tract?	
Is there at least one abandoned mine in this census tract?	

There is at least one abandoned mine in this census tract and the tract is low income.	FALSE
There is at least one Formerly Used Defense Site (FUDS) in the tract and the tract is low income.	FALSE
Is there at least one Formerly Used Defense Site (FUDS) in the tract, where missing data is treated as False?	FALSE
Is there at least one abandoned mine in this census tract, where missing data is treated as False?	FALSE
Greater than or equal to the 90th percentile for wastewater discharge and is low income?	FALSE
Wastewater discharge (percentile)	
Wastewater discharge	
Greater than or equal to the 90th percentile for leaky underground storage tanks and is low income?	FALSE
Leaky underground storage tanks (percentile)	60
Leaky underground storage tanks	2.7
Greater than or equal to the 90th percentile for asthma and is low income?	FALSE
Current asthma among adults aged greater than or equal to 18 years (percentile)	52
Current asthma among adults aged greater than or equal to 18 years	969
Greater than or equal to the 90th percentile for diabetes and is low income?	FALSE
Diagnosed diabetes among adults aged greater than or equal to 18 years (percentile)	31
Diagnosed diabetes among adults aged greater than or equal to 18 years	900
Greater than or equal to the 90th percentile for heart disease and is low income?	FALSE
Coronary heart disease among adults aged greater than or equal to 18 years (percentile)	49

Coronary heart disease among adults aged greater than or equal to 18 years	590
Greater than or equal to the 90th percentile for low life expectancy and is low income?	FALSE
Low life expectancy (percentile)	49
Life expectancy (years)	78.59
Greater than or equal to the 90th percentile for low median household income as a percent of area median income and has low HS attainment?	FALSE
Low median household income as a percent of area median income (percentile)	49
Median household income as a percent of area median income	94
Greater than or equal to the 90th percentile for households in linguistic isolation and has low HS attainment?	FALSE
Linguistic isolation (percent) (percentile)	59
Linguistic isolation (percent)	2
Greater than or equal to the 90th percentile for unemployment and has low HS attainment?	FALSE
Unemployment (percent) (percentile)	22
Unemployment (percent)	2
Greater than or equal to the 90th percentile for households at or below 100% federal poverty level and has low HS attainment?	FALSE
Percent of individuals below 200% Federal Poverty Line (percentile)	42
Percent of individuals below 200% Federal Poverty Line	26
Percent of individuals < 100% Federal Poverty Line (percentile)	37
Percent of individuals < 100% Federal Poverty Line	8
Percent individuals age 25 or over with less than high school degree (percentile)	52

Percent individuals age 25 or over with less than high school degree	10
Percent of residents who are not currently enrolled in higher ed	89
Unemployment (percent) in 2009 (island areas) and 2010 (states and PR)	5
Percentage households below 100% of federal poverty line in 2009 (island areas) and 2010 (states and PR)	8
Greater than or equal to the 90th percentile for unemployment and has low HS education in 2009 (island areas)?	FALSE
Greater than or equal to the 90th percentile for households at or below 100% federal poverty level and has low HS education in 2009 (island areas)?	FALSE
Greater than or equal to the 90th percentile for low median household income as a percent of area median income and has low HS education in 2009 (island areas)?	FALSE
Number of Tribal areas within Census tract for Alaska	
Names of Tribal areas within Census tract	
Percent of the Census tract that is within Tribal areas	