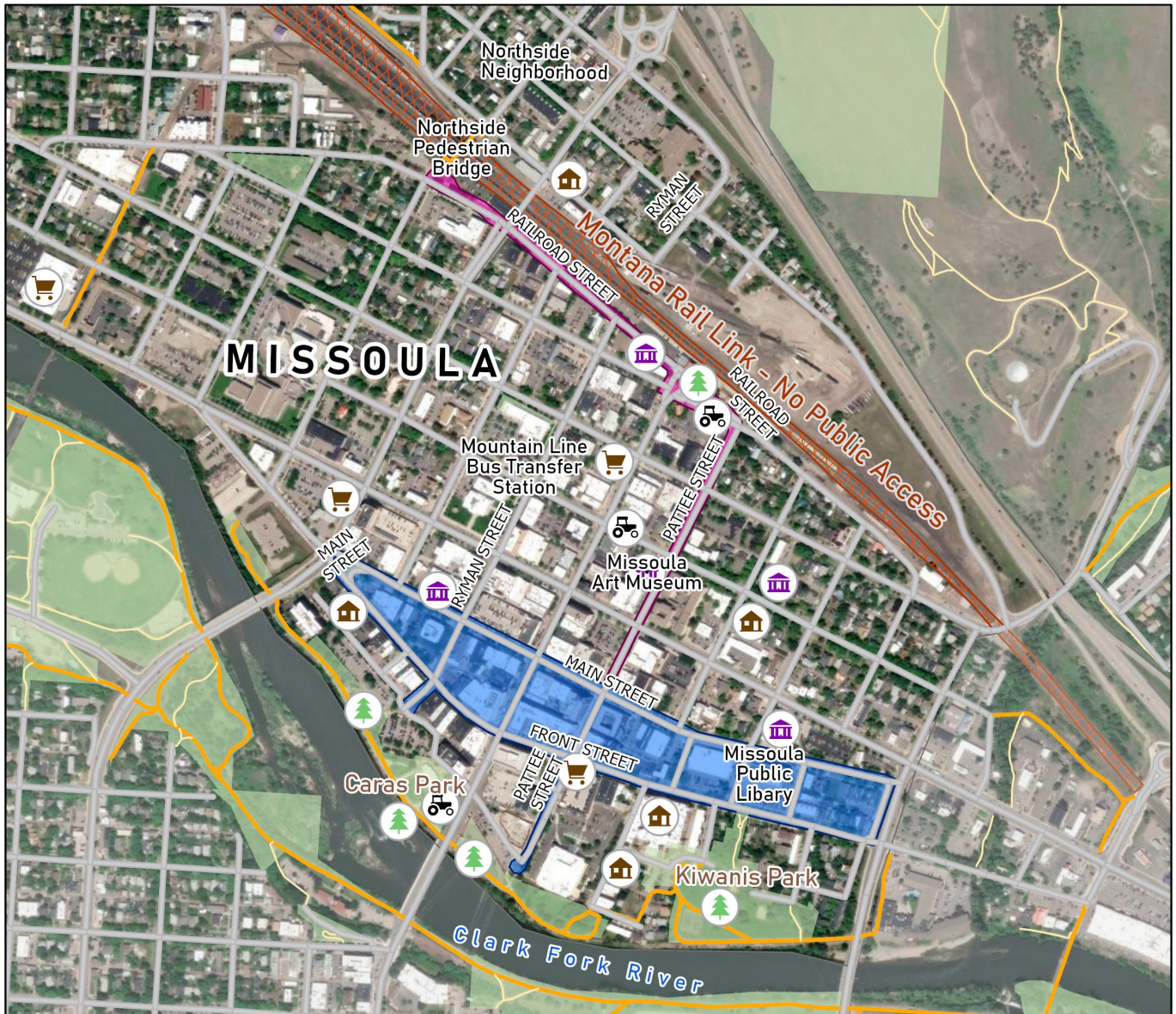


1 Project Area Map	2
2 Project Area Map (detailed)	3
3 CEJST Disadvantaged Communities	17
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MissoulaTREE Grant City of Missoula



MissoulaTREE Proposed Project Areas

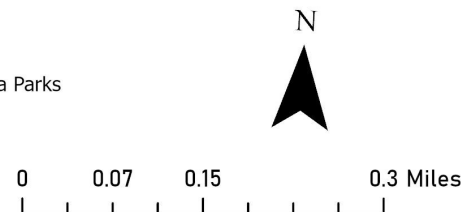
- Downtown Greenway Connection**
- Front/Main Conversion & Park Entryways (Downtown SAM Project)**

Community Amenities

-  Farmer's Market
-  Grocery
-  Student or Affordable Apartments
-  Arts & Community Center
-  Recreation or Interpretive Feature

Trails

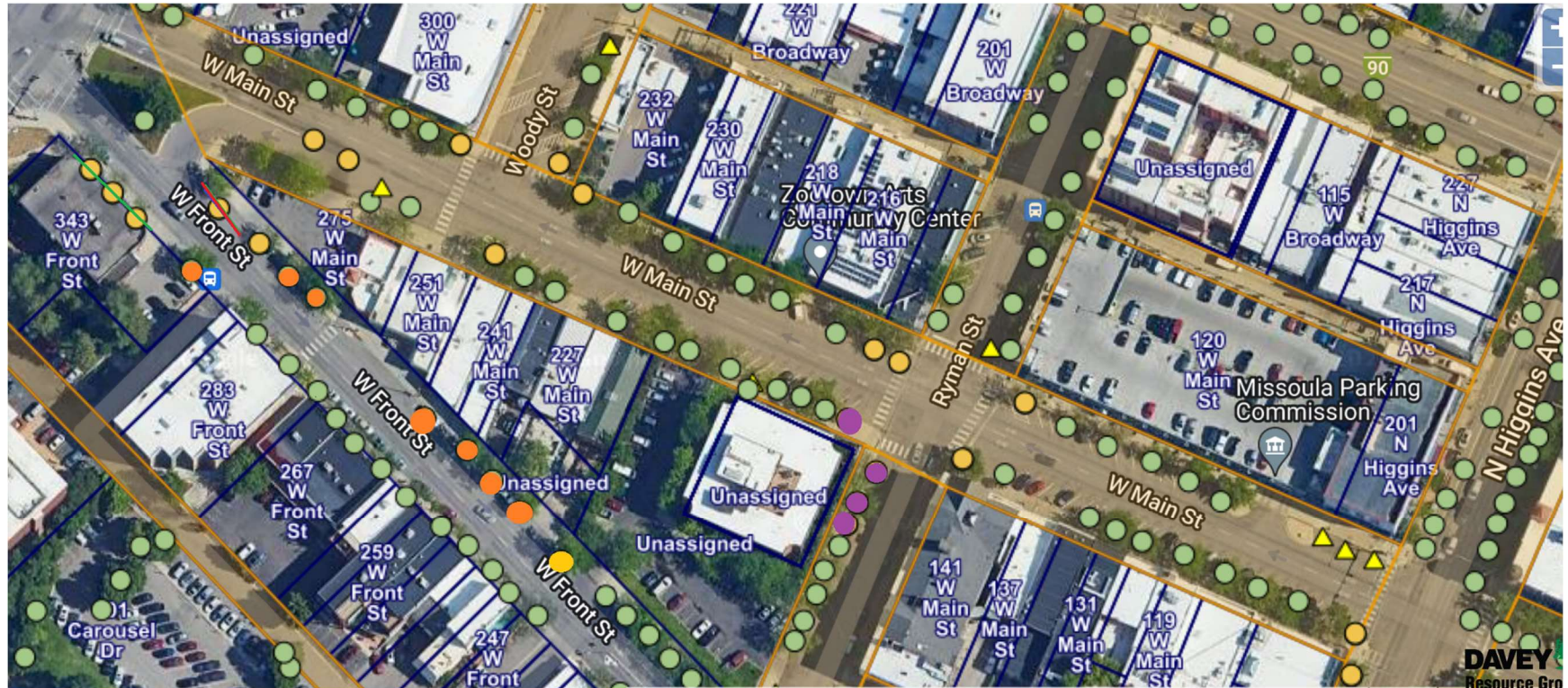
- Primary Commuter Trail System
- Other Trails
- City of Missoula Parks
- Streets



Map by Missoula Parks & Recreation.
PCS: NAD 1983 StatePlane Montana FIPS 2500 Feet

Phase 1 – In conjunction with SAM Grant

Overall Trees planted: 69, trees in suspended pavement 59, 10 planted in traditional tree pits and boulevards.



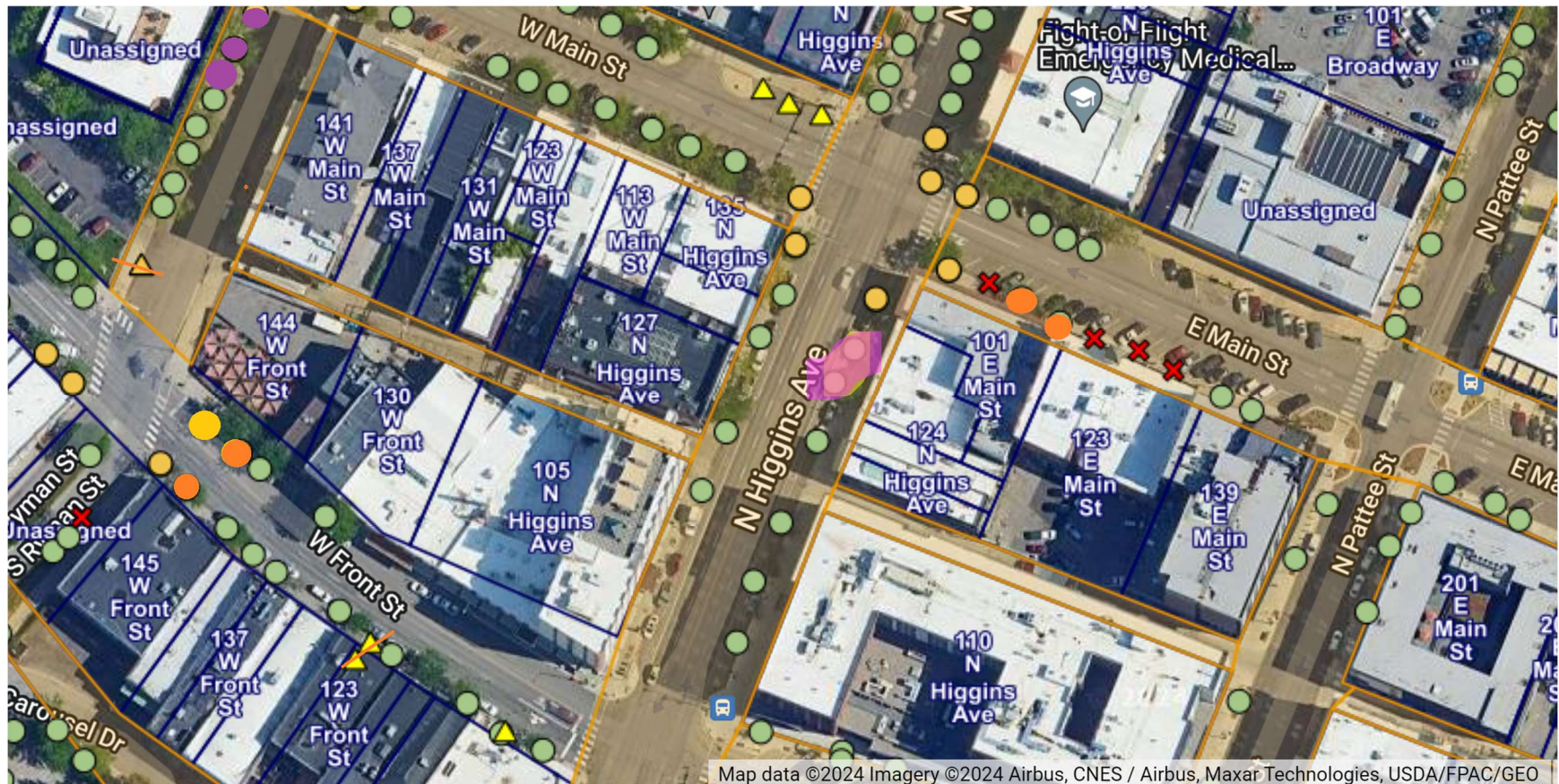
Yellow dots are impacted trees that can be replaced with Suspended Pavement: 14 total this sheet,

Purple dots over head power lines – No Suspended Pavement, class 1 plantings: 4

Orange dots – adjacent trees with potential grading issues, heaving: 7

Yellow triangles open tree sites at 201 N Higgins, ignore other two... are open tree pits 3x3 we could do one large system here with two class 2's or one class 3 tree.

Next map section: Front/ Main from Ryman to Pattee:



If we fund this section the entire block will be suspended pavement with the exception of 2 trees, which are highlighted in magenta!!!

Purple dots and yellow triangles – captured on previous map.

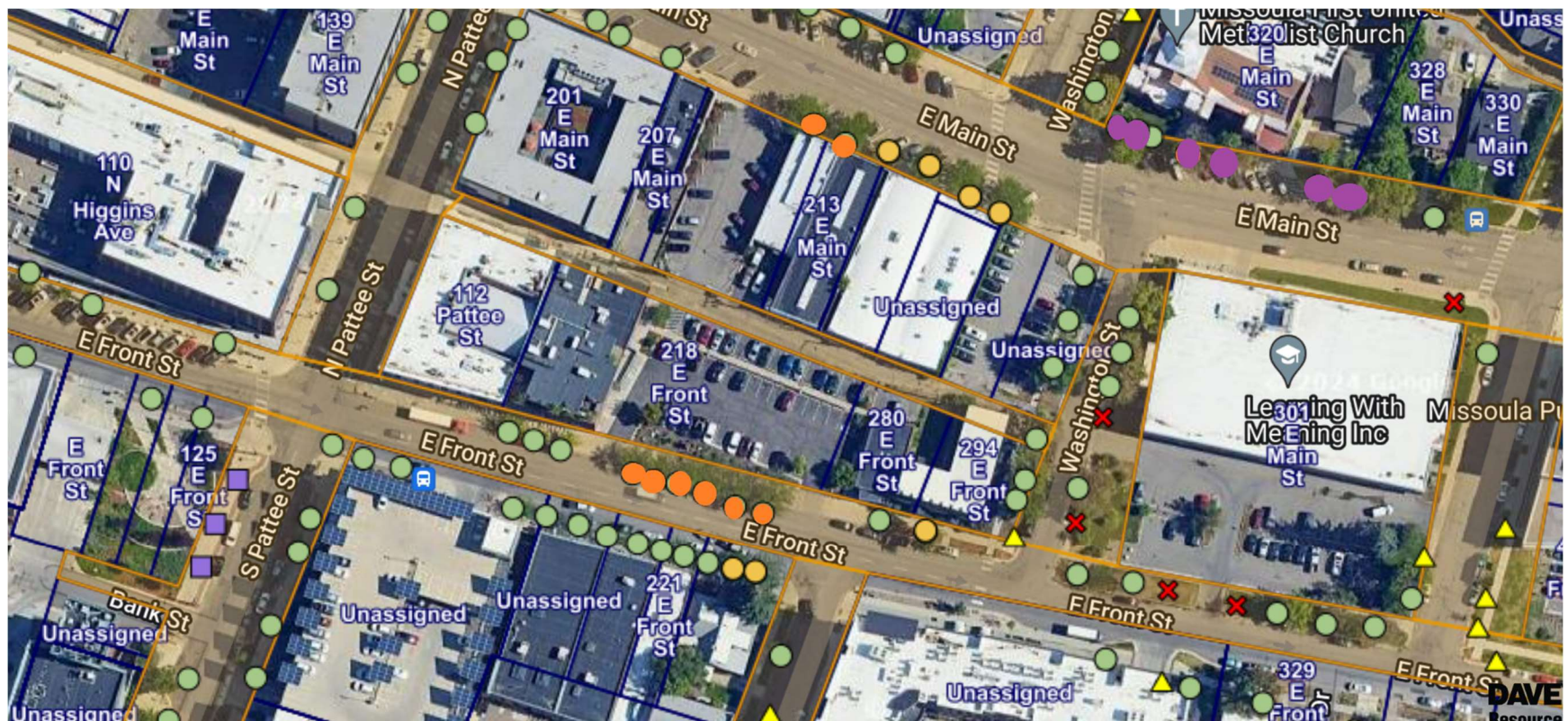
Yellow dots – trees to be replaced due to SAM impacts, 11,

Orange dots – adjacent trees not impacted by the SAM, 4 add two additional trees for entire block 6.

Red X's – stumps sites that need to be replaced, adjacent to restored building that will not redevelop, 4

Next Map Section:

E. Front and Main from Adams to N. Pattee



Purple squares, yellow triangles and red x's can be disregarded in this image.

Yellow circles – trees impacted to removal by SAM project – 7

Orange circles – trees with structural and grading issues – 8

Purple circles – trees with structural issues that need to be removed and replaced in boulevard - 6

Phase 2 – Downtown Park Entrances

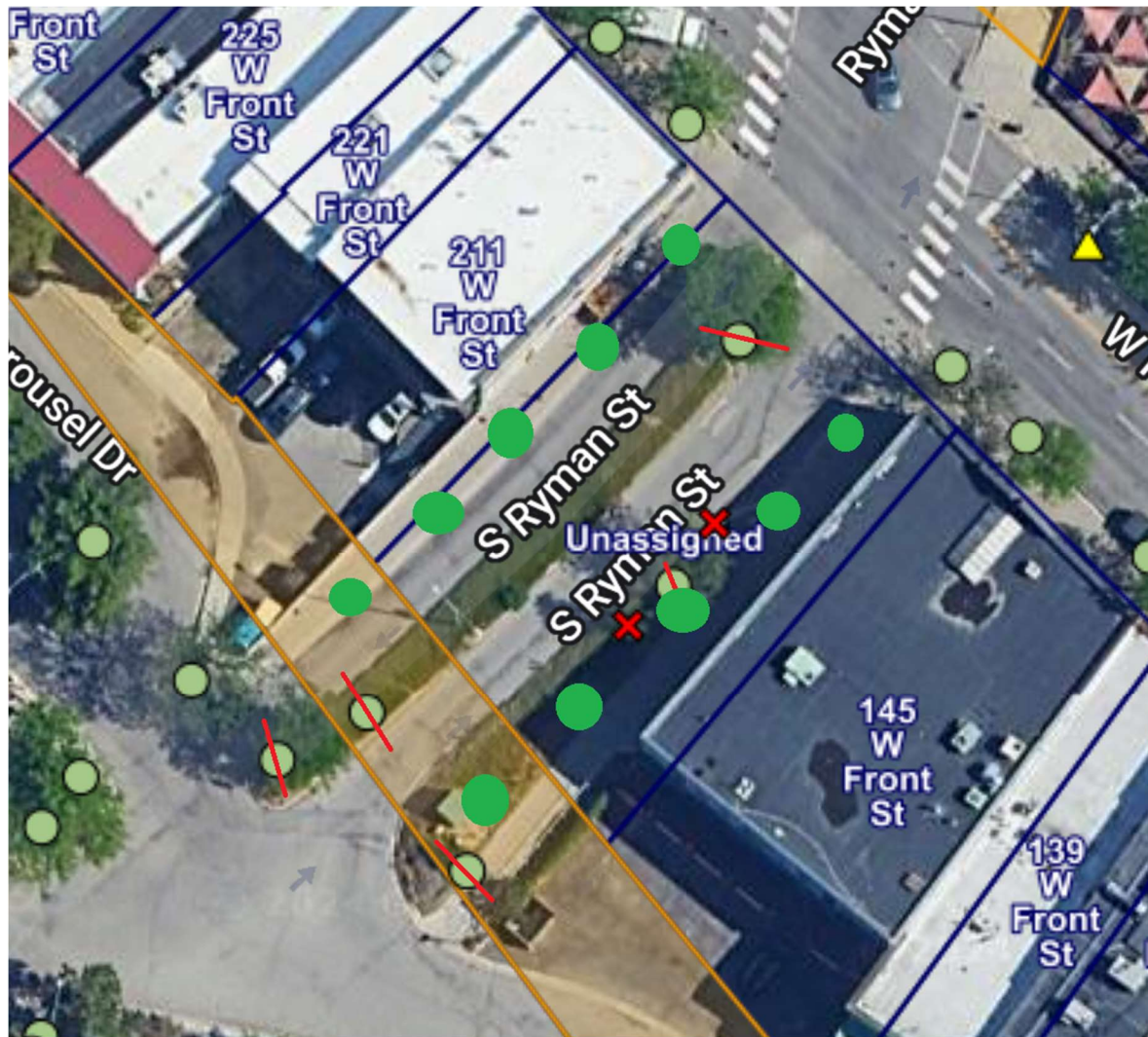
The block of Ryman, south of Main, North of Front on the East side, has no trees currently – Vaults?

If possible, this could be an entire block long tree cell with 5-7 trees, plus two additional trees in one cell at the Top Hat's lot.

Purple squares represent the potential tree sites.

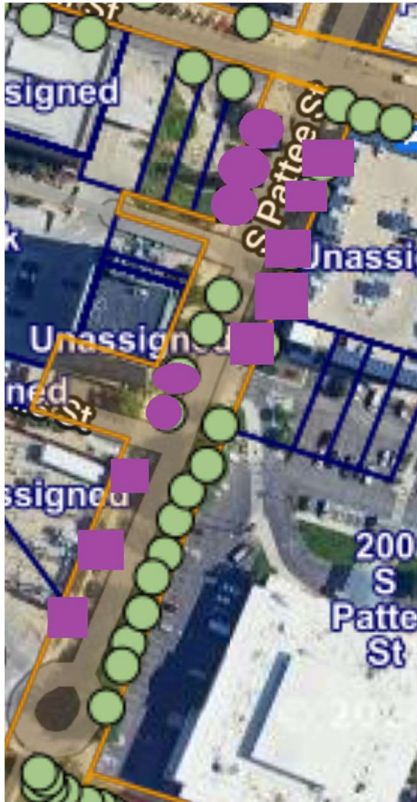


Ryman Street entrance: from existing preliminary design.



Green circles are based on the conceptual plan – trees on the west side of the street would be in suspended pavement systems, those on the east would be in a boulevard. 10 trees total.

Pattee from the River to Front Street:



Purple circles are existing tree pits that should be replaced with class 1 trees, due to overhead lines – 5 total.

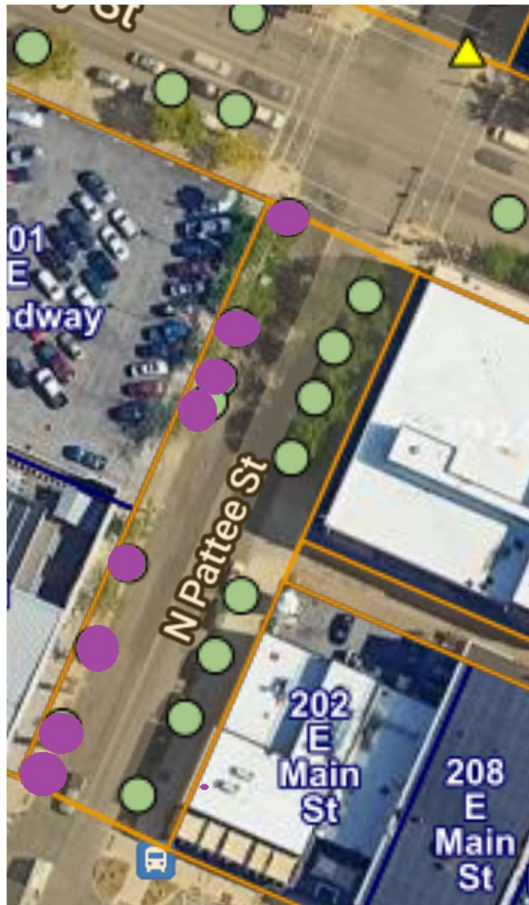
Purple squares are sites we could potentially add new trees with suspended pavement systems – 8. The 5 closest to Front, adjacent to the parking garage, should be suspended pavement system. The three near the park on the west side of the street will have to be class one, and could just be traditional tree pits.

Pattee from Main to Front:



The elks lodge has not had any tree plantings – room for 4 suspended pavement systems.

Pattee – south of Broadway to Main



Purple circles – honeylocust heavily topped, in poor shape or very young, should be replaced with class 1 trees, due to overhead lines – traditional tree pits.

Pattee Street south of Spruce:



Purple circles – class one trees, the trees have been removed, boulevard. 5 total.

Burlington Northern Plaza:



Orange sites – 25 total, suspended pavement

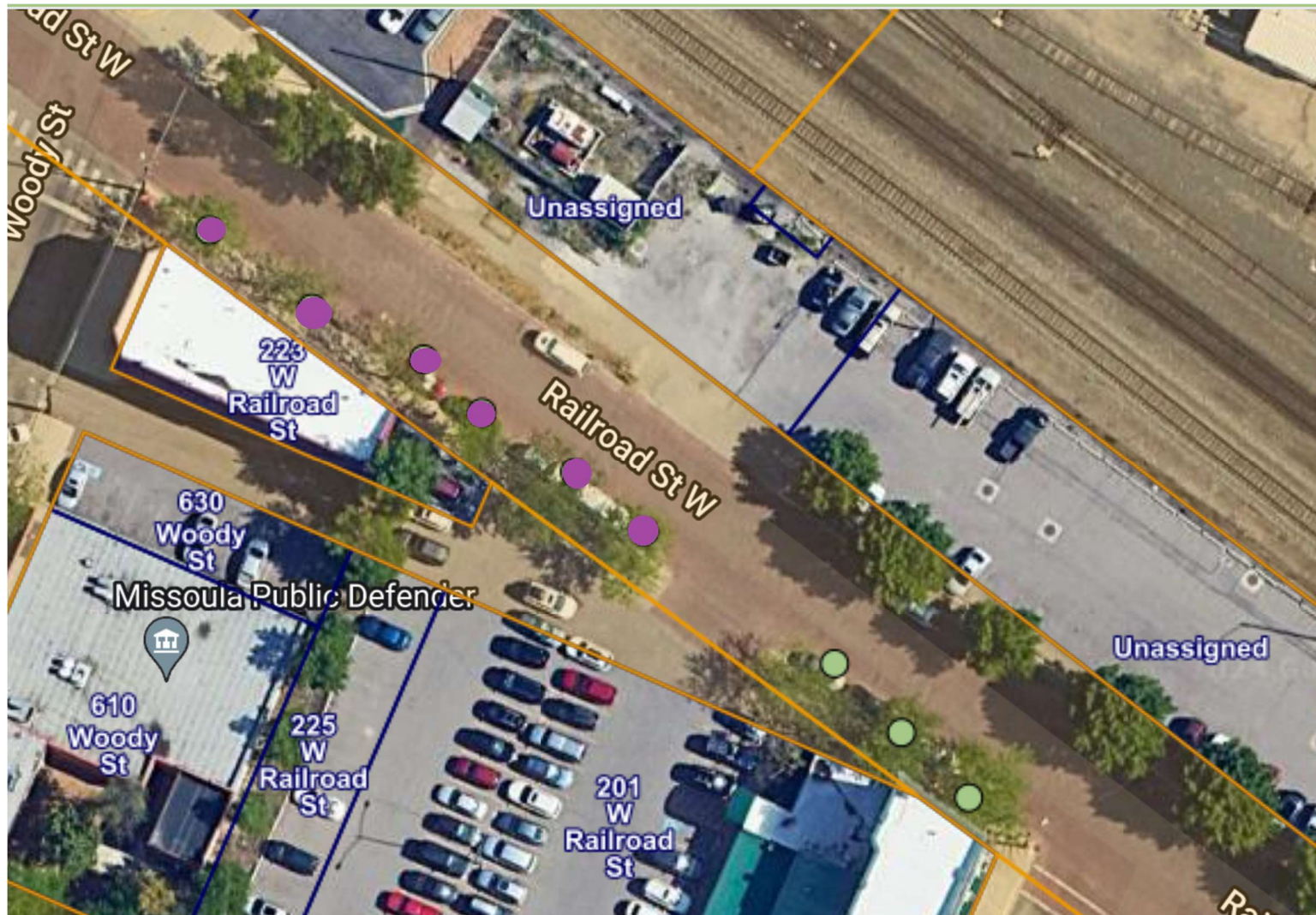
Railroad from Higgins to Ryman:



Purple circles – 5 sites, traditional tree pits with class 1 trees due to overhead lines.

Orange circles – potential suspended pavement systems – 11

Railroad from Woody to Ryman:

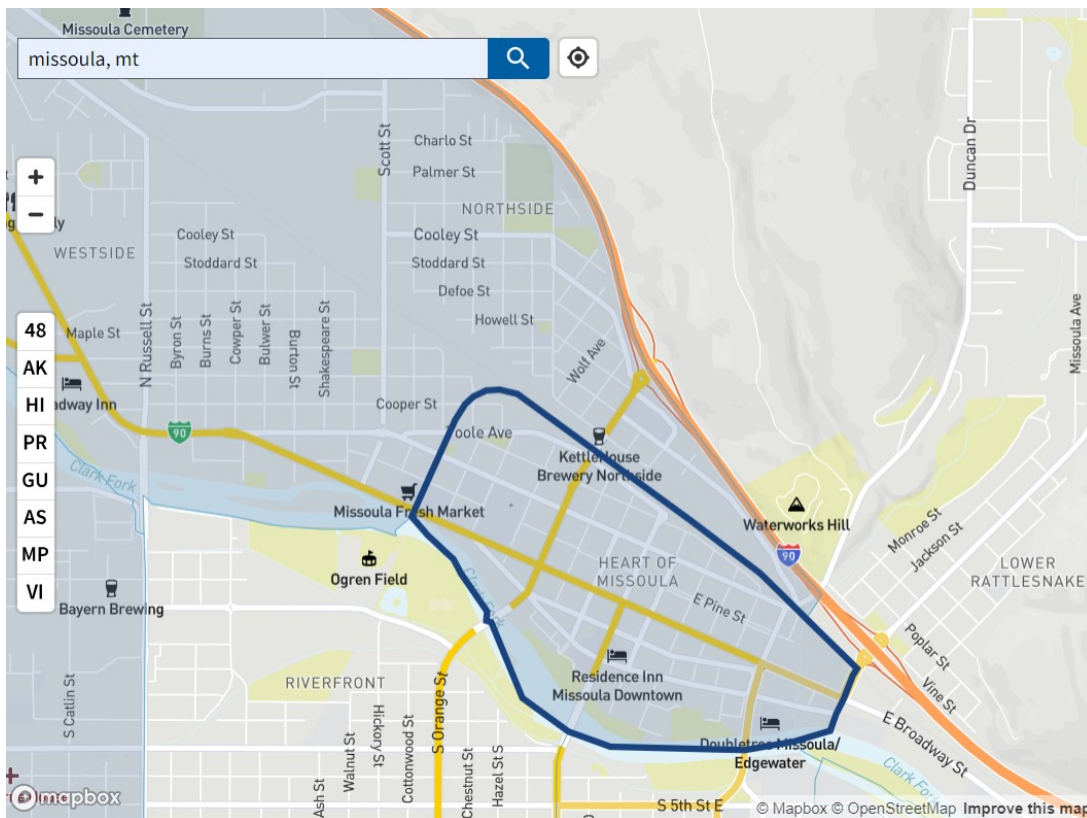


Purple circles – 6 total – tree removals with class 1 replacements in traditional tree pits.

Railroad street, connection to the N. Side pedestrian bridge:



Removing poor, very poor and dead Austrian pines, boulevard rehabilitation with irrigation and removing gravel, 8 trees total.



Tract information

Number: 30063000300
County: Missoula County
State: Montana
Population: 1,919

Tract demographics

Race / Ethnicity ([Show](#) ▾)
Age ([Show](#) ▾)

Identified as disadvantaged?

YES

This tract is considered disadvantaged because it meets more than 1 burden threshold **AND** the associated socioeconomic threshold.

[Send feedback](#) ↗

Climate change

+

Energy

+

Health

[Help improve the](#)

Totals	
---------------	--

Front/Main Total VMT Reduction 6,490,768 miles

Higgins
Total VMT Reduction
6,333,199 miles

Total VMT Reduction

EPA Estimated average CO2 emissions per mile = 411 grams

ENTIRE RAISE/SAM PROJECT Total VMT Reduction 12,823,967 miles
--

12,823,967 miles

Total CO2 Reduction

X

$$=$$
$$=$$

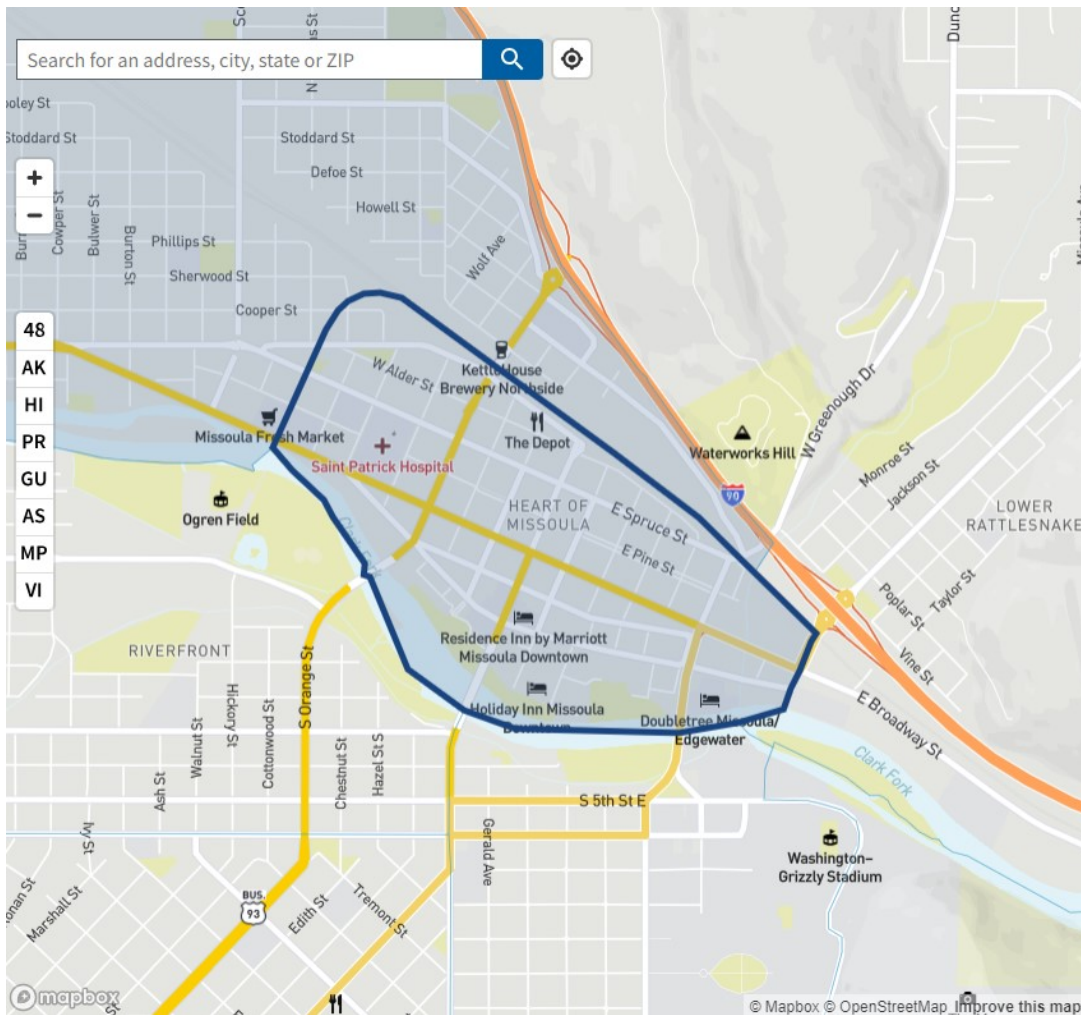
5,270.65 tons

Front / Main	Savings Type	VMT
--------------	--------------	-----

		VMT Saved		
Calendar	Project			
Year	Year	Non-Truck	Truck	
2025	1	0	0	
2026	2	0	0	
2027	3	270448.6001	0	
2028	4	270448.6001	0	
2029	5	270448.6001	0	
2030	6	270448.6001	0	
2031	7	270448.6001	0	
2032	8	270448.6001	0	
2033	9	270448.6001	0	
2034	10	270448.6001	0	
2035	11	270448.6001	0	
2036	12	270448.6001	0	
2037	13	270448.6001	0	
2038	14	270448.6001	0	
2039	15	270448.6001	0	
2040	16	270448.6001	0	
2041	17	270448.6001	0	
2042	18	270448.6001	0	
2043	19	270448.6001	0	
2044	20	270448.6001	0	
2045	21	270448.6001	0	
2046	22	270448.6001	0	
2047	23	270449	0	
2048	24	270449	0	
2049	25	270449	0	
2050	26	270449	0	
Total		6490768.002	0	

Higgins	Savings Type	VMT
---------	--------------	-----

		VMT Saved		
Calendar	Project			
Year	Year	Non-Truck	Truck	
2025	1	0	0	
2026	2	0	0	
2027	3	263883.3381	0	
2028	4	263883.3381	0	
2029	5	263883.3381	0	
2030	6	263883.3381	0	
2031	7	263883.3381	0	
2032	8	263883.3381	0	
2033	9	263883.3381	0	
2034	10	263883.3381	0	
2035	11	263883.3381	0	
2036	12	263883.3381	0	
2037	13	263883.3381	0	
2038	14	263883.3381	0	
2039	15	263883.3381	0	
2040	16	263883.3381	0	
2041	17	263883.3381	0	
2042	18	263883.3381	0	
2043	19	263883.3381	0	
2044	20	263883.3381	0	
2045	21	263883.3381	0	
2046	22	263883.3381	0	
2047	23	263883	0	
2048	24	263883	0	
2049	25	263883	0	
2050	26	263883	0	
Total		6333198.761	0	



Health

Housing

Housing cost
Share of households making less than 80% of the area median family income and spending more than 30% of income on housing
97th
above 90th percentile

Lack of green space
Amount of land, not including crop land, that is covered with artificial materials like concrete or pavement
85th
not above 90th percentile

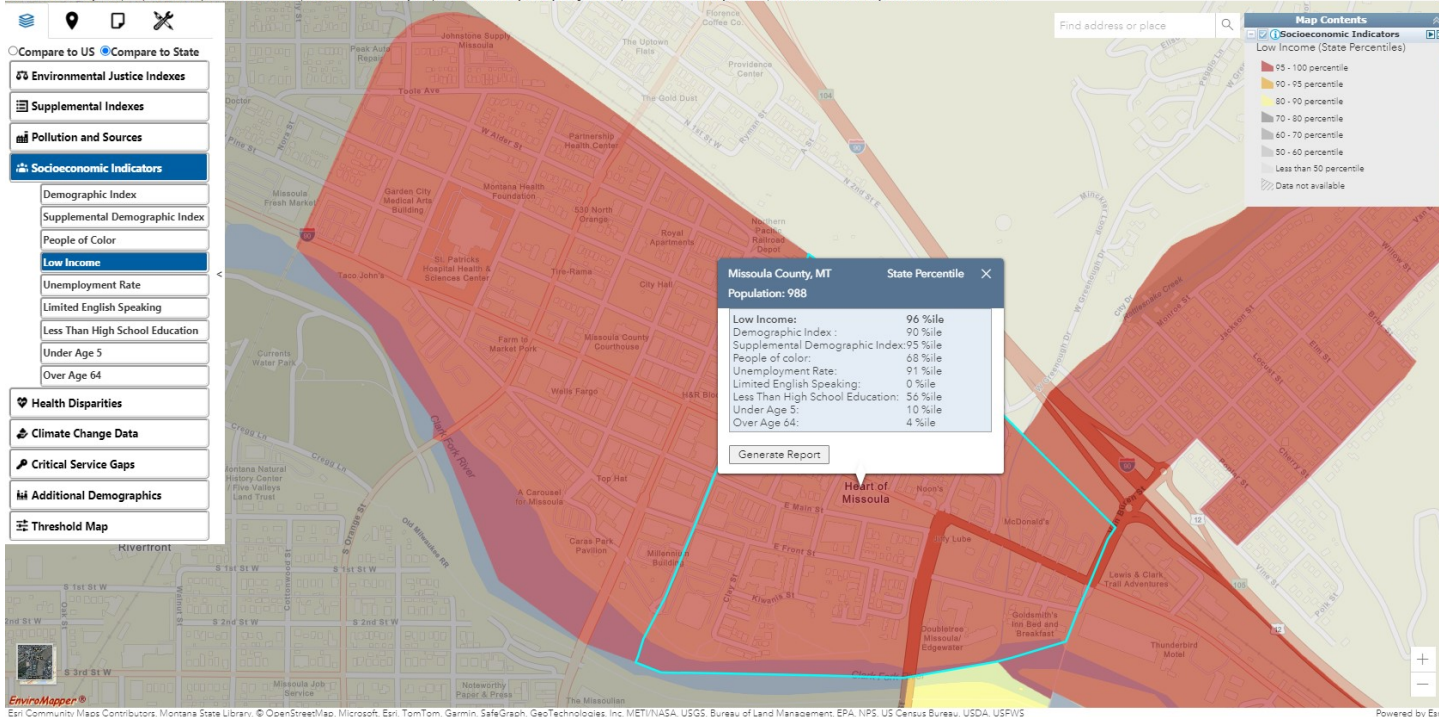
Lack of indoor plumbing
Share of homes without indoor kitchens or plumbing
98th
above 90th percentile

Lead paint
Share of homes that are likely to have lead paint
76th
not above 90th percentile

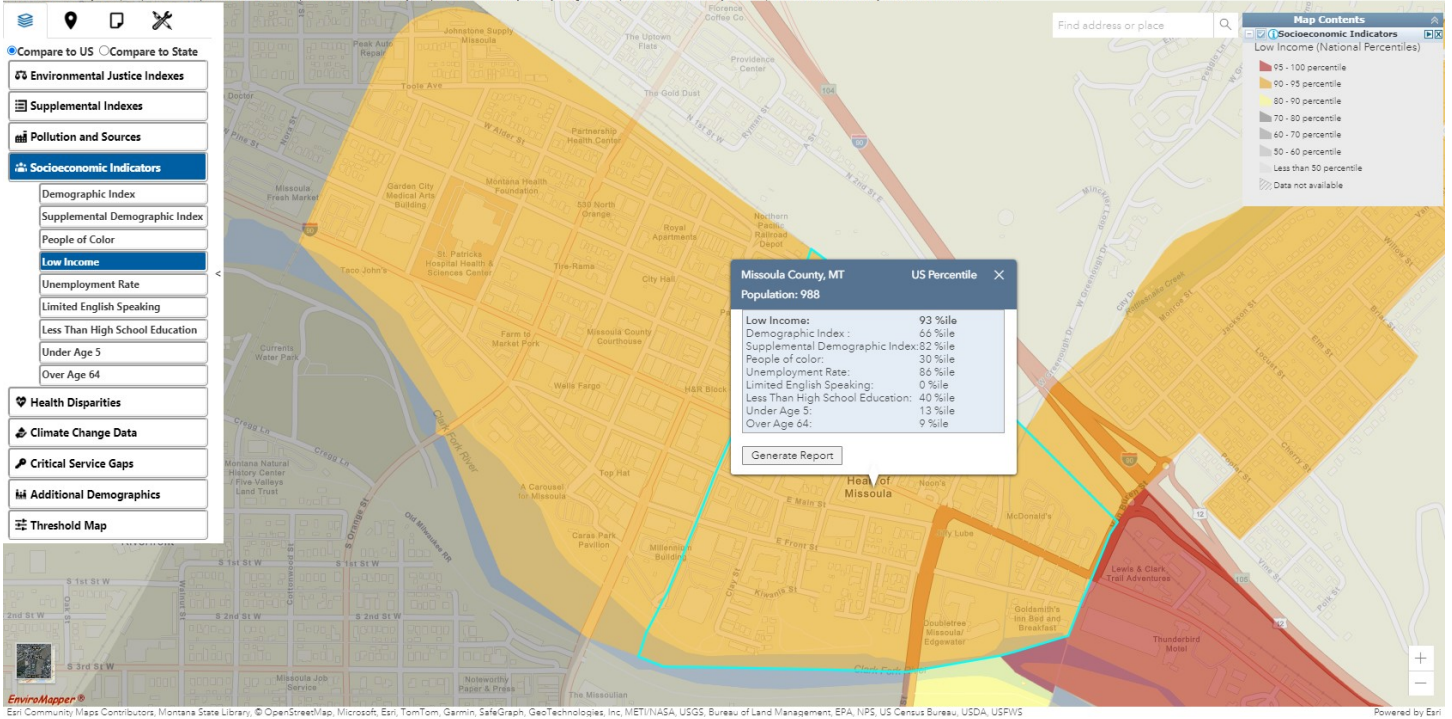
AND

Low income
People in households where income is less than or equal to twice the federal poverty level, not including students enrolled in higher ed
81st
above 65th percentile

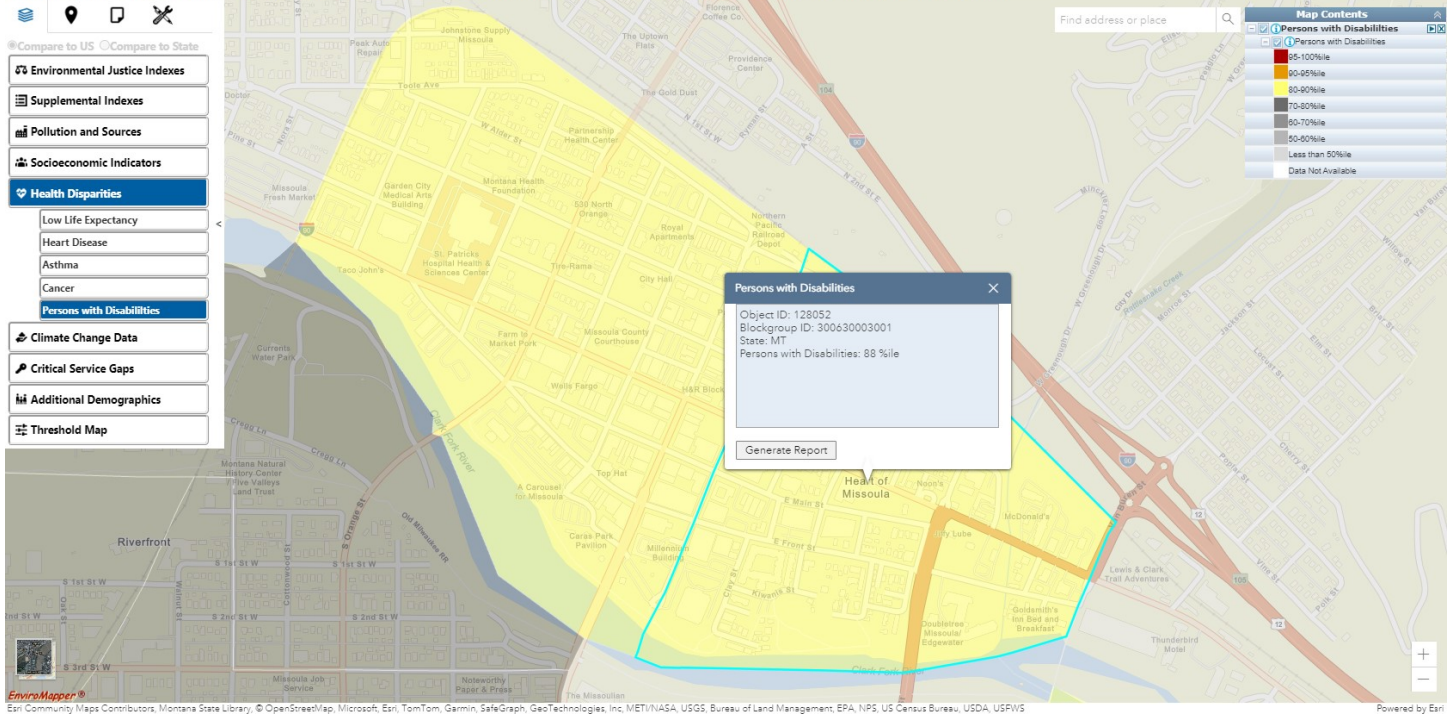
Please note: Territory data (except Puerto Rico) is not available as comparable to the US. It is only comparable to the territory itself by using the 'Compare to State' functionality. Likewise, some of the indicators may not be available for territories.



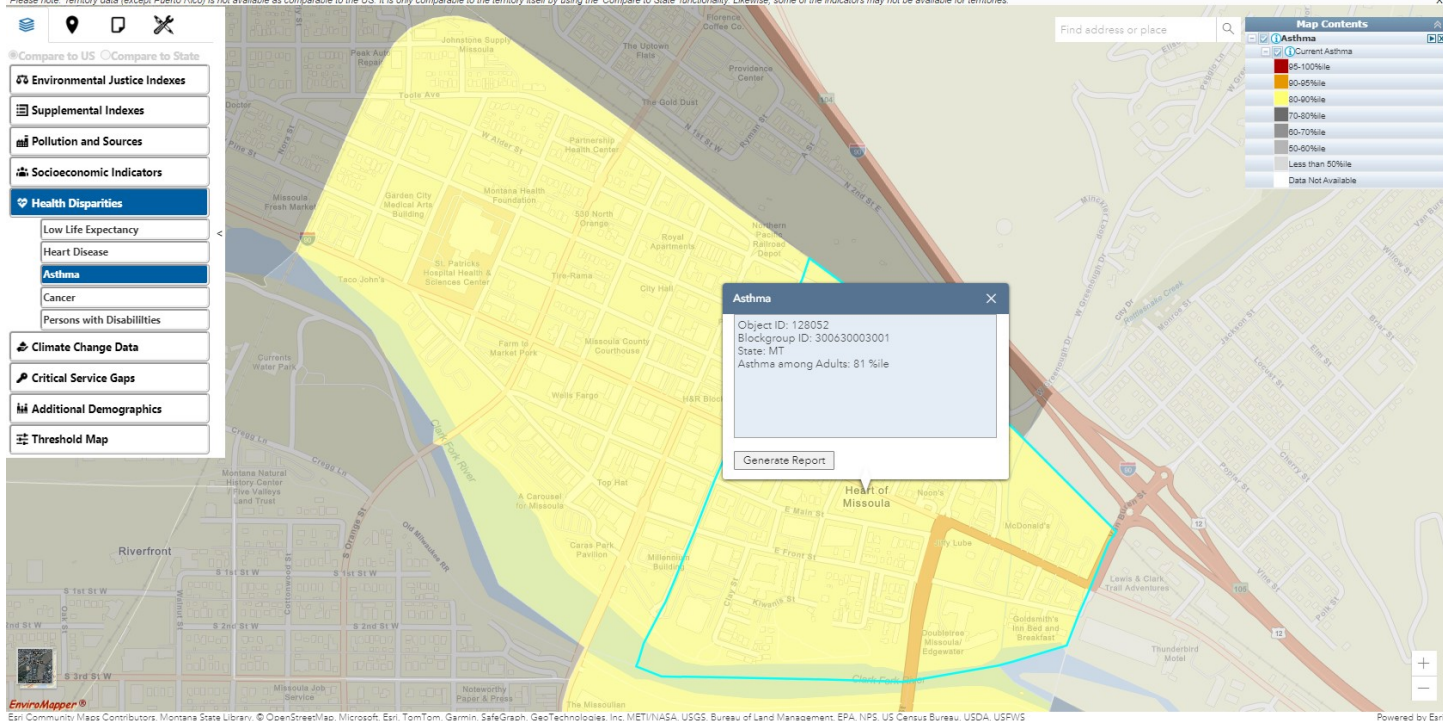
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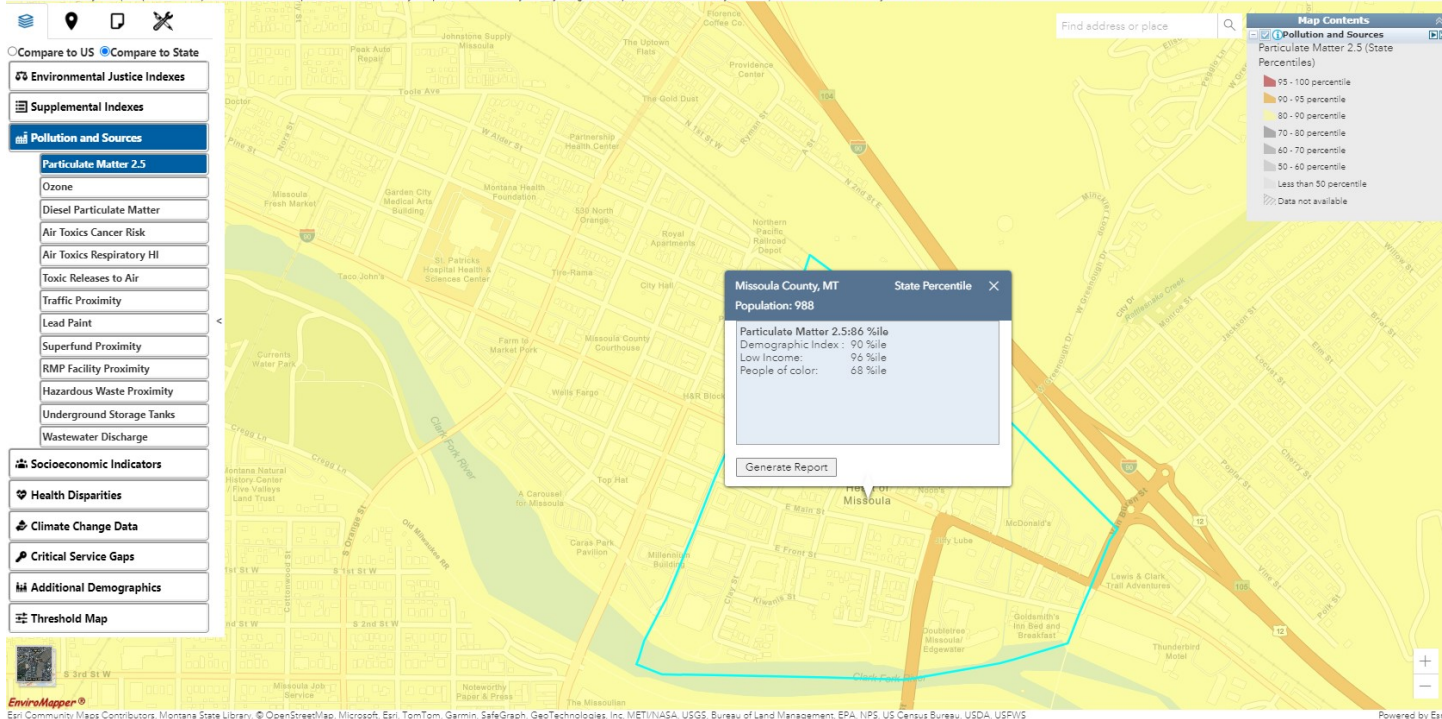
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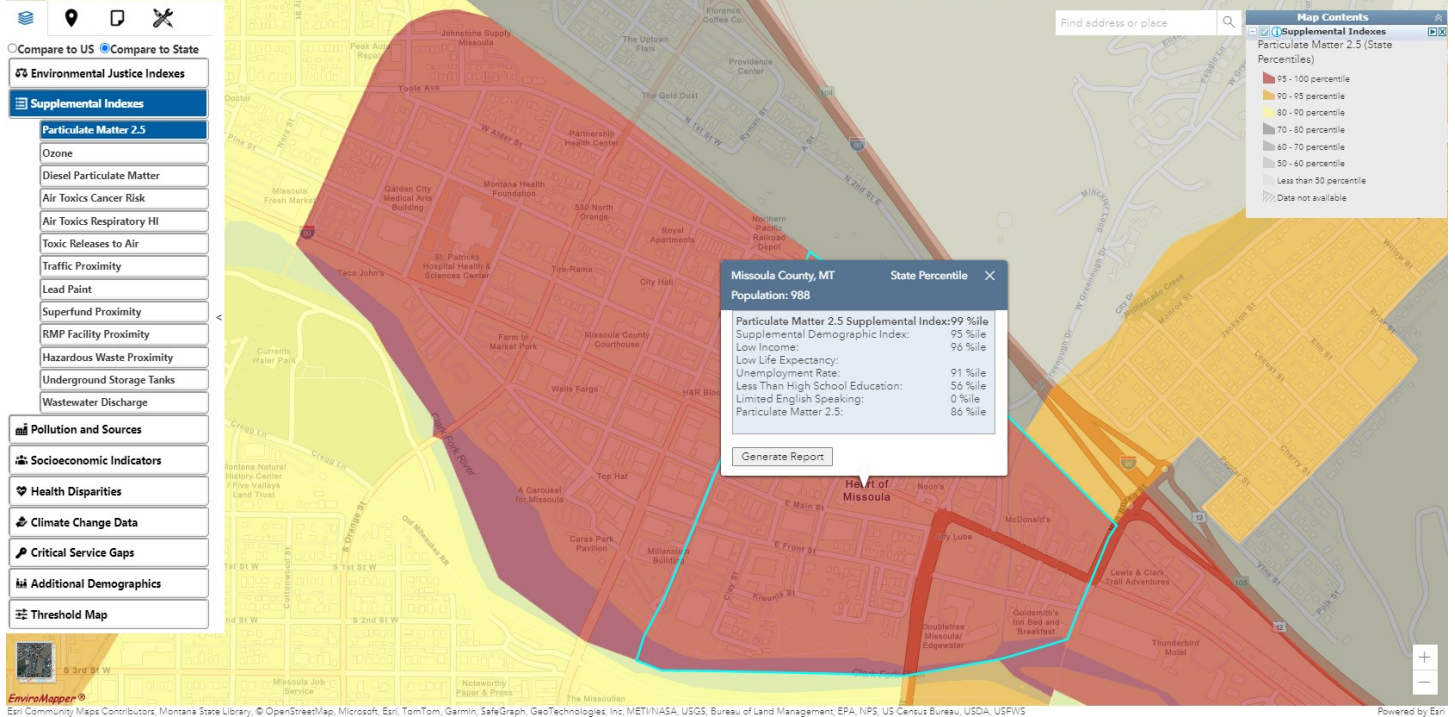
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EJScreen Community Report

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

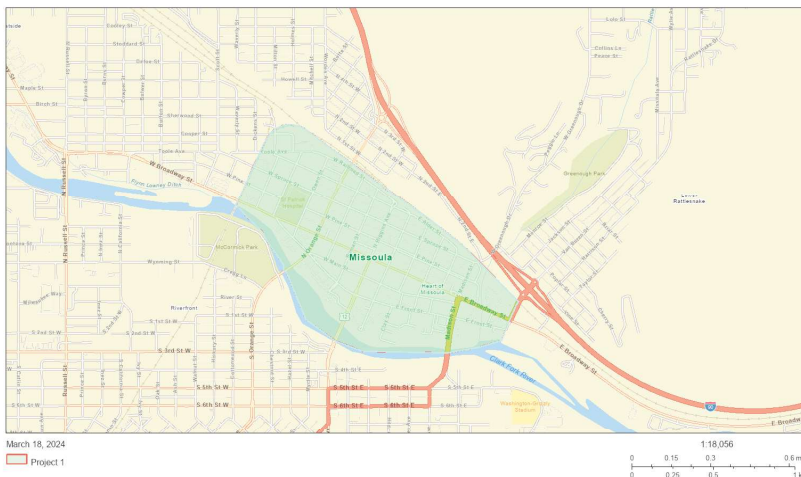
Missoula, MT

Tract: 30063000300

Population: 2,366

Area in square miles: 0.52

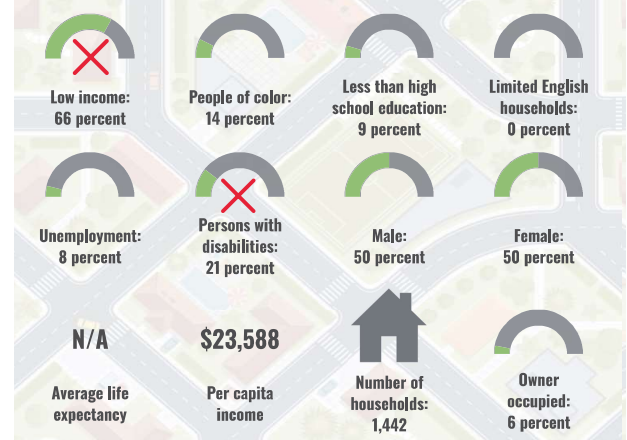
A3 Landscape



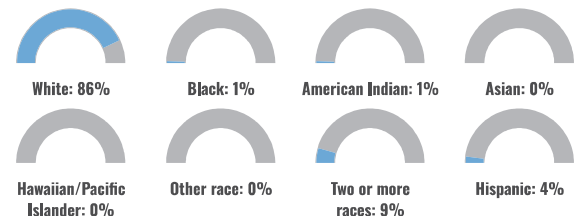
LANGUAGES SPOKEN AT HOME

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

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



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

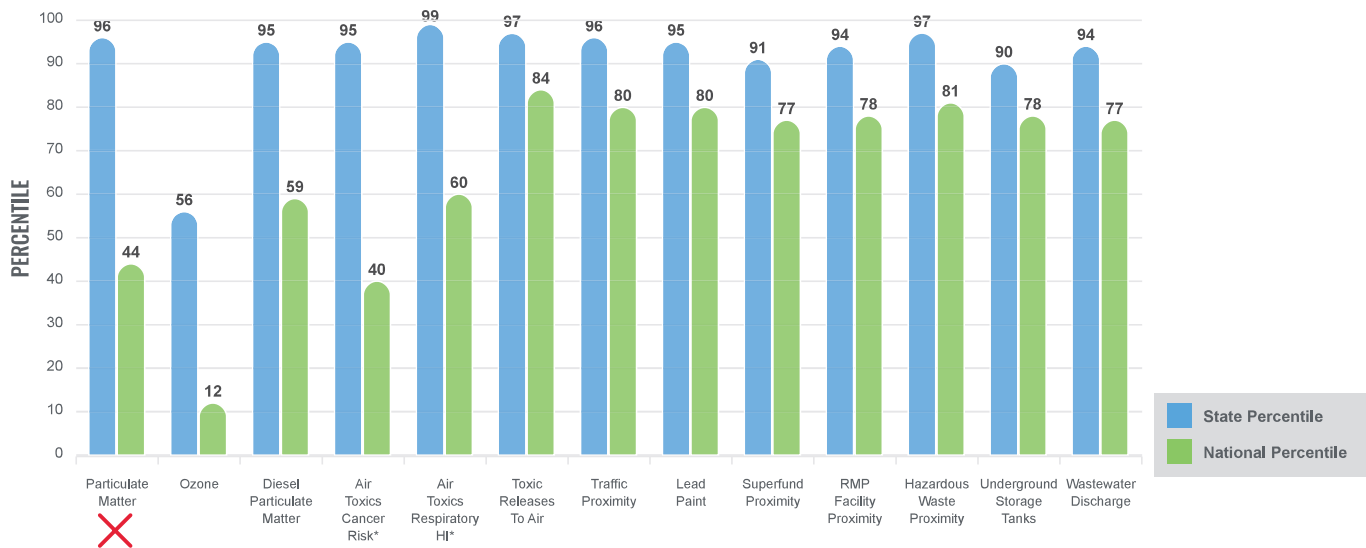
Environmental Justice & Supplemental Indexes

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

EJ INDEXES

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

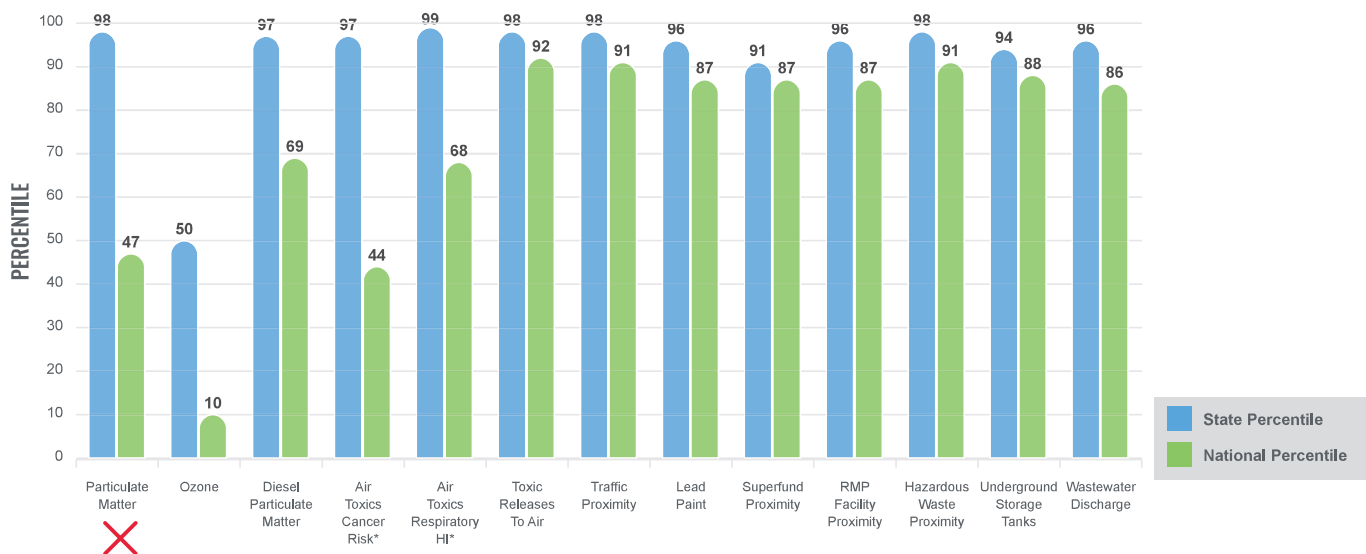
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

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

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



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

Report for Tract: 30063000300

EJScreen Environmental and Socioeconomic Indicators Data

	SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
	POLLUTION AND SOURCES					
✗	Particulate Matter ($\mu\text{g}/\text{m}^3$)	7.23	5.24	86	8.08	25
	Ozone (ppb)	53.2	54.5	26	61.6	5
	Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.184	0.086	86	0.261	41
	Air Toxics Cancer Risk* (lifetime risk per million)	20	15	55	25	5
	Air Toxics Respiratory HI*	0.3	0.18	84	0.31	31
	Toxic Releases to Air	5,500	590	97	4,600	87
	Traffic Proximity (daily traffic count/distance to road)	450	67	99	210	89
	Lead Paint (% Pre-1960 Housing)	0.54	0.3	82	0.3	76
	Superfund Proximity (site count/km distance)	0.12	0.15	66	0.13	72
	RMP Facility Proximity (facility count/km distance)	0.53	0.22	85	0.43	77
	Hazardous Waste Proximity (facility count/km distance)	5.8	0.65	99	1.9	91
	Underground Storage Tanks (count/km ²)	5.9	5.1	76	3.9	80
	Wastewater Discharge (toxicity-weighted concentration/m distance)	0.015	1.7	77	22	70
	SOCIOECONOMIC INDICATORS					
	Demographic Index	40%	23%	89	35%	64
	Supplemental Demographic Index	21%	12%	94	14%	80
	People of Color	14%	15%	67	39%	30
✗	Low Income	66%	32%	96	31%	92
	Unemployment Rate	8%	4%	84	6%	75
	Limited English Speaking Households	0%	0%	0	5%	0
	Less Than High School Education	9%	6%	75	12%	52
	Under Age 5	2%	5%	18	6%	19
	Over Age 64	9%	20%	13	17%	24
	Low Life Expectancy	N/A	19%	N/A	20%	N/A

* Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	2
Water Dischargers	20
Air Pollution	1
Brownfields	16
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	8
Places of Worship	4

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	Yes

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

Report for Tract: 30063000300

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	N/A	19%	N/A	20%	N/A
Heart Disease	5.9	6.5	35	6.1	48
Asthma	11.1	10.4	84	10	81
Cancer	5	6.9	9	6.1	26
Persons with Disabilities	20.8%	14.4%	88	13.4%	88

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	14%	15%	59	12%	77
Wildfire Risk	75%	44%	65	14%	88

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	20%	16%	69	14%	74
Lack of Health Insurance	11%	9%	78	9%	73
Housing Burden	Yes	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	No	N/A	N/A	N/A	N/A

Report for Tract: 30063000300