

APPENDIX H
U.S. ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL JUSTICE MAPPER

AKUTAN



EJSCREEN Report (Version 2020)

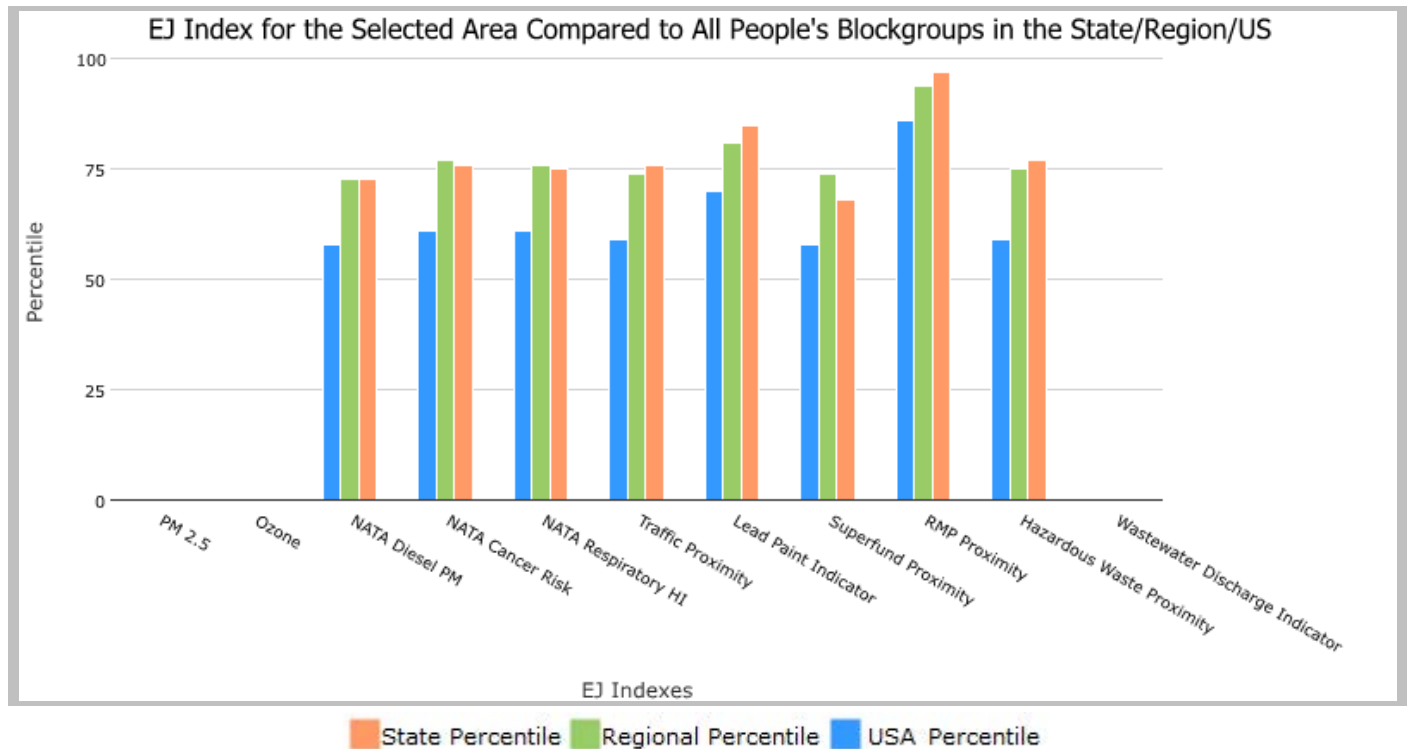


the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 761

Input Area (sq. miles): 1.03

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	73	73	58
EJ Index for NATA* Air Toxics Cancer Risk	76	77	61
EJ Index for NATA* Respiratory Hazard Index	75	76	61
EJ Index for Traffic Proximity and Volume	76	74	59
EJ Index for Lead Paint Indicator	85	81	70
EJ Index for Superfund Proximity	68	74	58
EJ Index for RMP Proximity	97	94	86
EJ Index for Hazardous Waste Proximity	77	75	59
EJ Index for Wastewater Discharge Indicator	N/A	N/A	N/A



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.

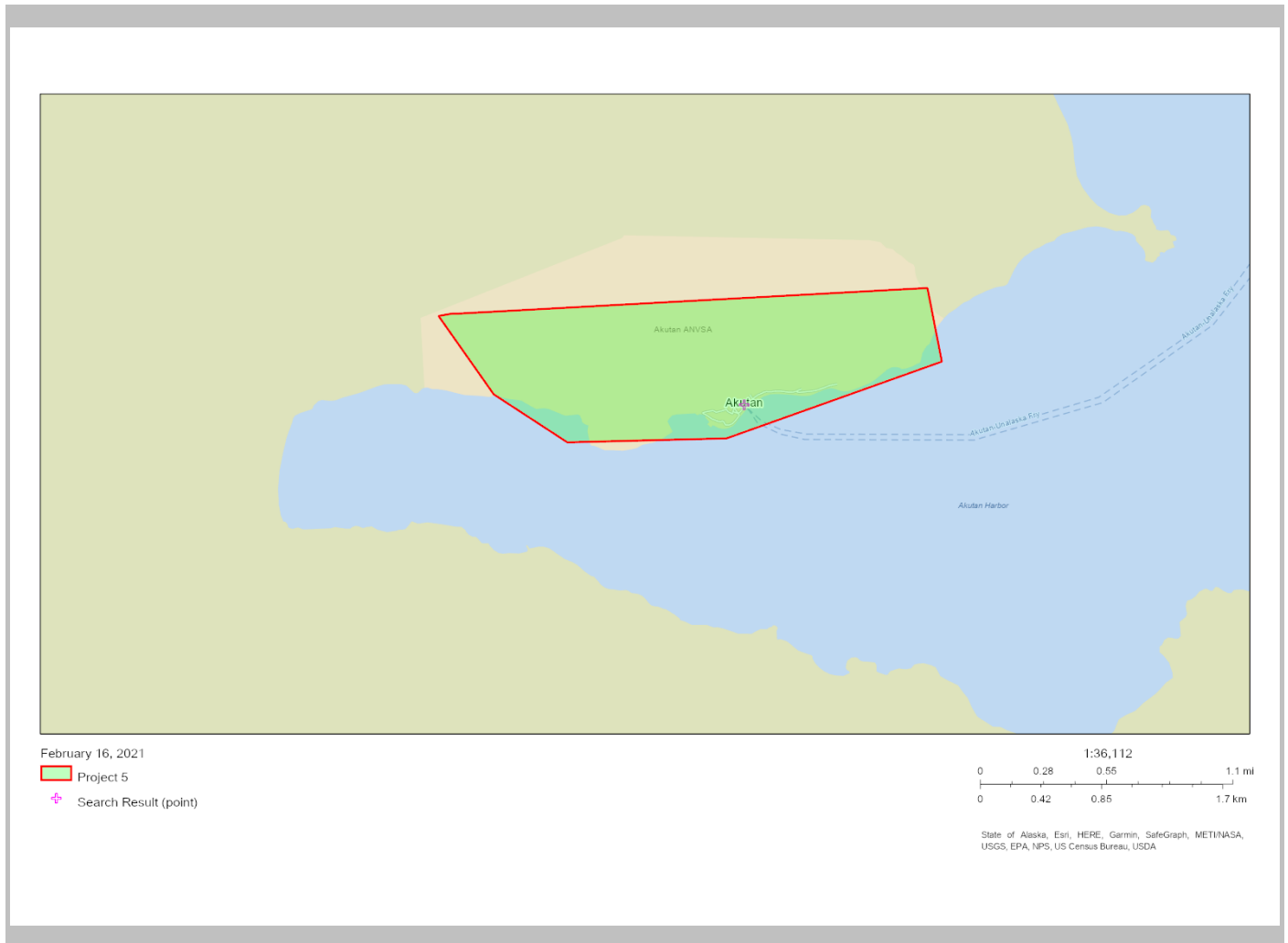
EJSCREEN Report (Version 2020)



the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 761

Input Area (sq. miles): 1.03



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

EJSCREEN Report (Version 2020)



the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 761

Input Area (sq. miles): 1.03

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.52	N/A	8.55	N/A
Ozone (ppb)	N/A	N/A	N/A	39.1	N/A	42.9	N/A
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.00174	0.361	9	0.481	<50th	0.478	<50th
NATA* Cancer Risk (lifetime risk per million)	6.3	15	3	31	<50th	32	<50th
NATA* Respiratory Hazard Index	0.066	0.2	11	0.46	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	0	260	14	510	4	750	4
Lead Paint Indicator (% Pre-1960 Housing)	0.058	0.079	67	0.22	32	0.28	30
Superfund Proximity (site count/km distance)	0.0013	0.092	2	0.13	0	0.13	0
RMP Proximity (facility count/km distance)	1.8	0.5	93	0.65	91	0.74	89
Hazardous Waste Proximity (facility count/km distance)	0.015	0.56	15	1.5	2	5	0
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	N/A	N/A	N/A	3.1	N/A	9.4	N/A
Demographic Indicators							
Demographic Index	59%	32%	90	29%	94	36%	81
People of Color Population	81%	39%	91	28%	97	39%	84
Low Income Population	37%	25%	82	30%	69	33%	64
Linguistically Isolated Population	9%	2%	93	3%	88	4%	82
Population With Less Than High School Education	15%	7%	89	9%	81	13%	69
Population Under 5 years of age	1%	7%	3	6%	5	6%	6
Population over 64 years of age	5%	11%	17	15%	8	15%	9

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

For additional information, see: www.epa.gov/environmentaljustice

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CHIGNIK



EJSCREEN Report (Version 2020)

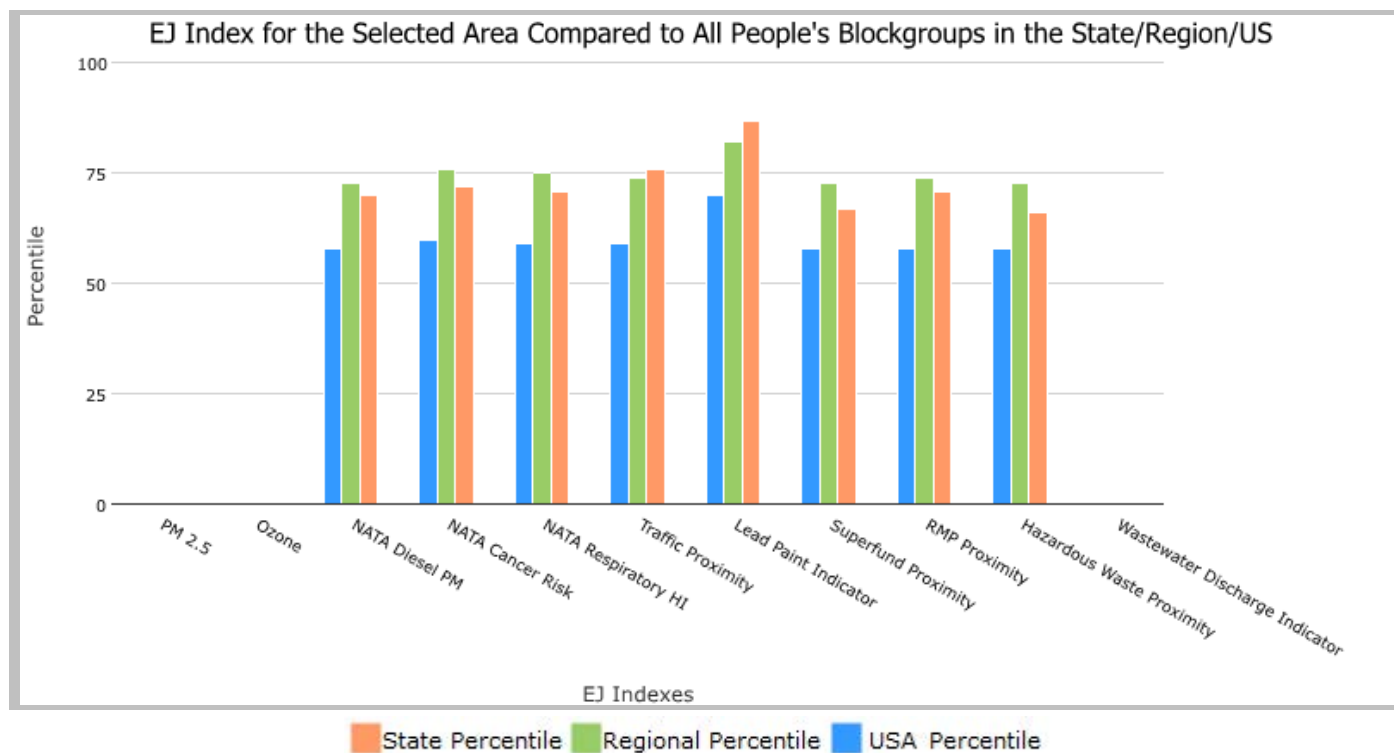


the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 79

Input Area (sq. miles): 4.36

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	70	73	58
EJ Index for NATA* Air Toxics Cancer Risk	72	76	60
EJ Index for NATA* Respiratory Hazard Index	71	75	59
EJ Index for Traffic Proximity and Volume	76	74	59
EJ Index for Lead Paint Indicator	87	82	70
EJ Index for Superfund Proximity	67	73	58
EJ Index for RMP Proximity	71	74	58
EJ Index for Hazardous Waste Proximity	66	73	58
EJ Index for Wastewater Discharge Indicator	N/A	N/A	N/A

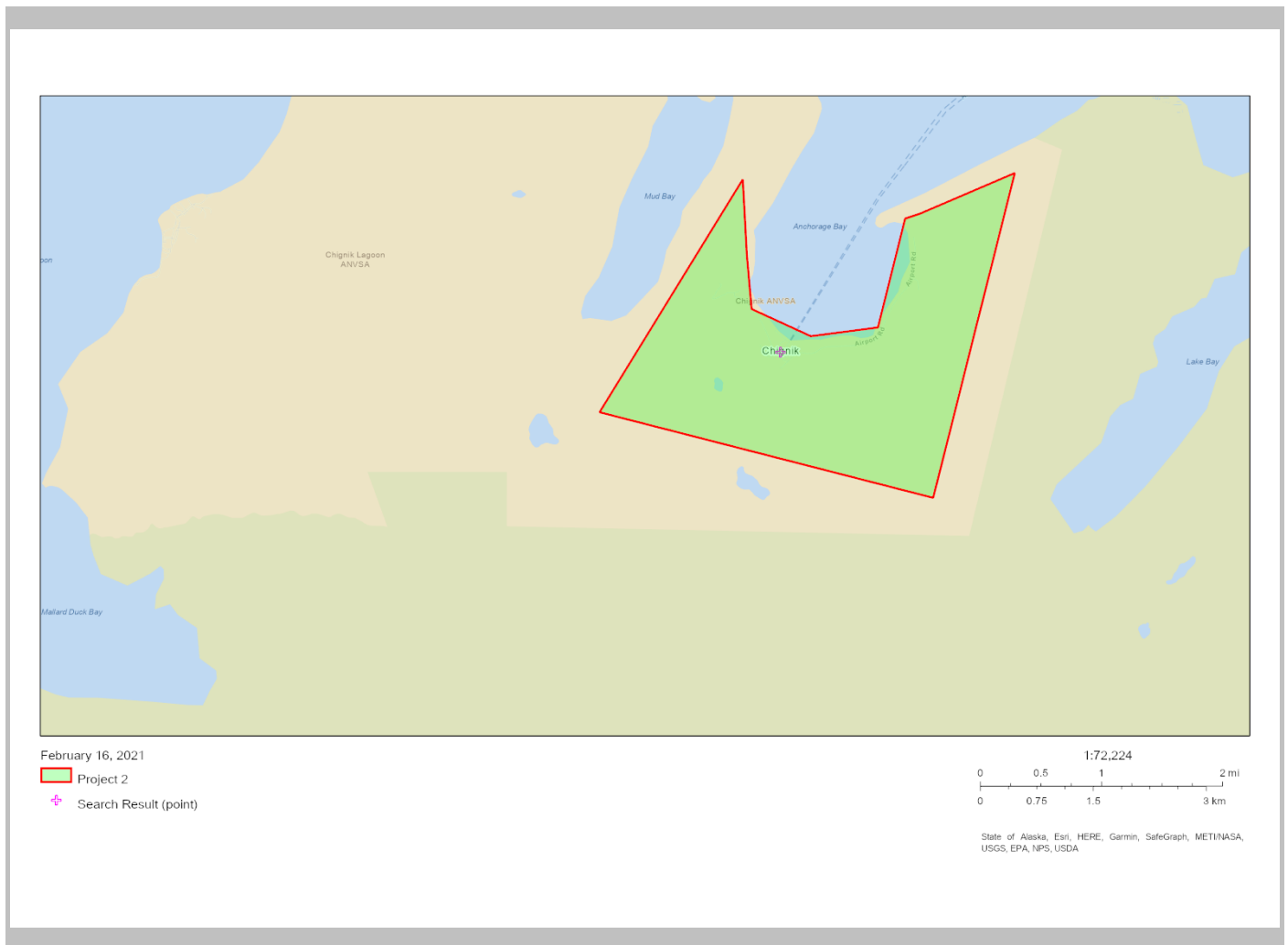


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the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 79

Input Area (sq. miles): 4.36



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

EJSCREEN Report (Version 2020)



the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 79

Input Area (sq. miles): 4.36

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.52	N/A	8.55	N/A
Ozone (ppb)	N/A	N/A	N/A	39.1	N/A	42.9	N/A
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.00034	0.361	6	0.481	<50th	0.478	<50th
NATA* Cancer Risk (lifetime risk per million)	6.2	15	0	31	<50th	32	<50th
NATA* Respiratory Hazard Index	0.057	0.2	0	0.46	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	0	260	14	510	4	750	4
Lead Paint Indicator (% Pre-1960 Housing)	0.095	0.079	78	0.22	42	0.28	37
Superfund Proximity (site count/km distance)	0.0015	0.092	5	0.13	0	0.13	0
RMP Proximity (facility count/km distance)	0.0095	0.5	10	0.65	0	0.74	0
Hazardous Waste Proximity (facility count/km distance)	0.0027	0.56	5	1.5	0	5	0
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	N/A	N/A	N/A	3.1	N/A	9.4	N/A
Demographic Indicators							
Demographic Index	60%	32%	91	29%	95	36%	82
People of Color Population	79%	39%	90	28%	97	39%	83
Low Income Population	41%	25%	85	30%	74	33%	69
Linguistically Isolated Population	0%	2%	51	3%	47	4%	45
Population With Less Than High School Education	14%	7%	87	9%	79	13%	66
Population Under 5 years of age	5%	7%	22	6%	34	6%	36
Population over 64 years of age	7%	11%	27	15%	14	15%	15

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

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KING COVE



EJSCREEN Report (Version 2020)

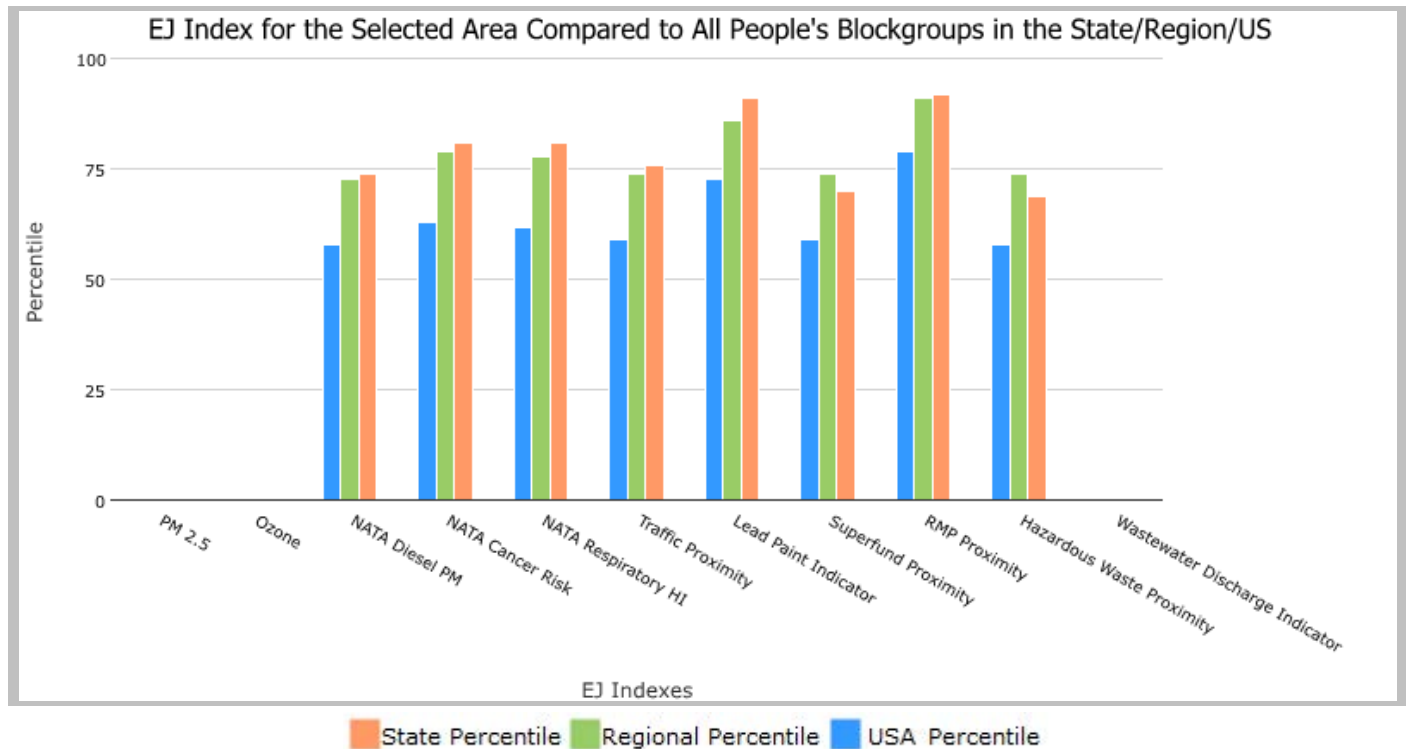


the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 110

Input Area (sq. miles): 3.38

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	74	73	58
EJ Index for NATA* Air Toxics Cancer Risk	81	79	63
EJ Index for NATA* Respiratory Hazard Index	81	78	62
EJ Index for Traffic Proximity and Volume	76	74	59
EJ Index for Lead Paint Indicator	91	86	73
EJ Index for Superfund Proximity	70	74	59
EJ Index for RMP Proximity	92	91	79
EJ Index for Hazardous Waste Proximity	69	74	58
EJ Index for Wastewater Discharge Indicator	N/A	N/A	N/A

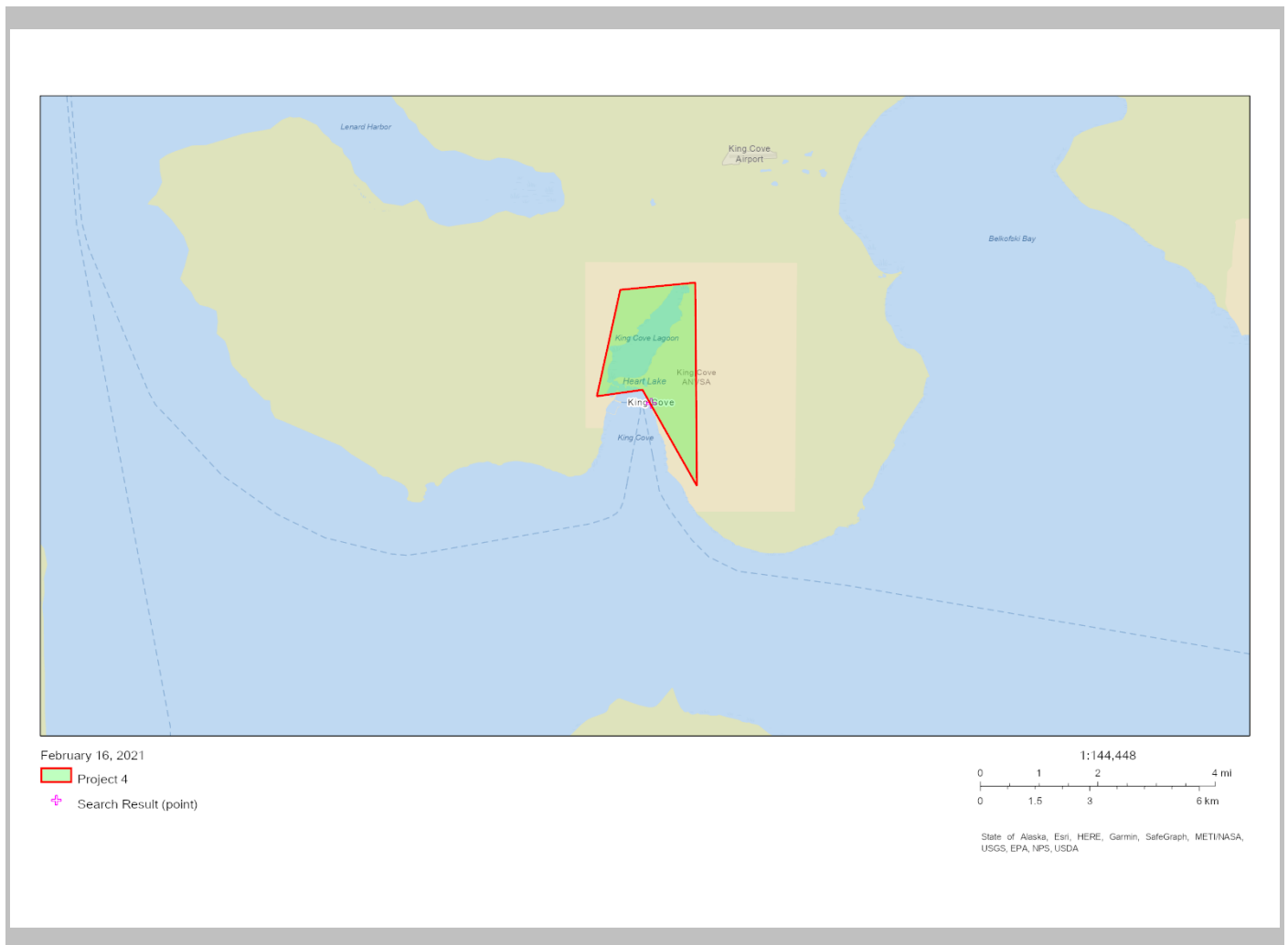


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the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 110

Input Area (sq. miles): 3.38



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

EJSCREEN Report (Version 2020)



the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 110

Input Area (sq. miles): 3.38

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.52	N/A	8.55	N/A
Ozone (ppb)	N/A	N/A	N/A	39.1	N/A	42.9	N/A
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.00174	0.361	9	0.481	<50th	0.478	<50th
NATA* Cancer Risk (lifetime risk per million)	6.3	15	3	31	<50th	32	<50th
NATA* Respiratory Hazard Index	0.066	0.2	11	0.46	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	0	260	14	510	4	750	4
Lead Paint Indicator (% Pre-1960 Housing)	0.071	0.079	71	0.22	36	0.28	33
Superfund Proximity (site count/km distance)	0.001	0.092	0	0.13	0	0.13	0
RMP Proximity (facility count/km distance)	0.53	0.5	71	0.65	65	0.74	61
Hazardous Waste Proximity (facility count/km distance)	0.0032	0.56	6	1.5	0	5	0
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	N/A	N/A	N/A	3.1	N/A	9.4	N/A
Demographic Indicators							
Demographic Index	64%	32%	92	29%	96	36%	85
People of Color Population	91%	39%	95	28%	99	39%	90
Low Income Population	37%	25%	82	30%	69	33%	64
Linguistically Isolated Population	4%	2%	81	3%	72	4%	67
Population With Less Than High School Education	15%	7%	89	9%	81	13%	68
Population Under 5 years of age	3%	7%	10	6%	18	6%	19
Population over 64 years of age	11%	11%	60	15%	36	15%	36

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LARSEN BAY



EJSCREEN Report (Version 2020)

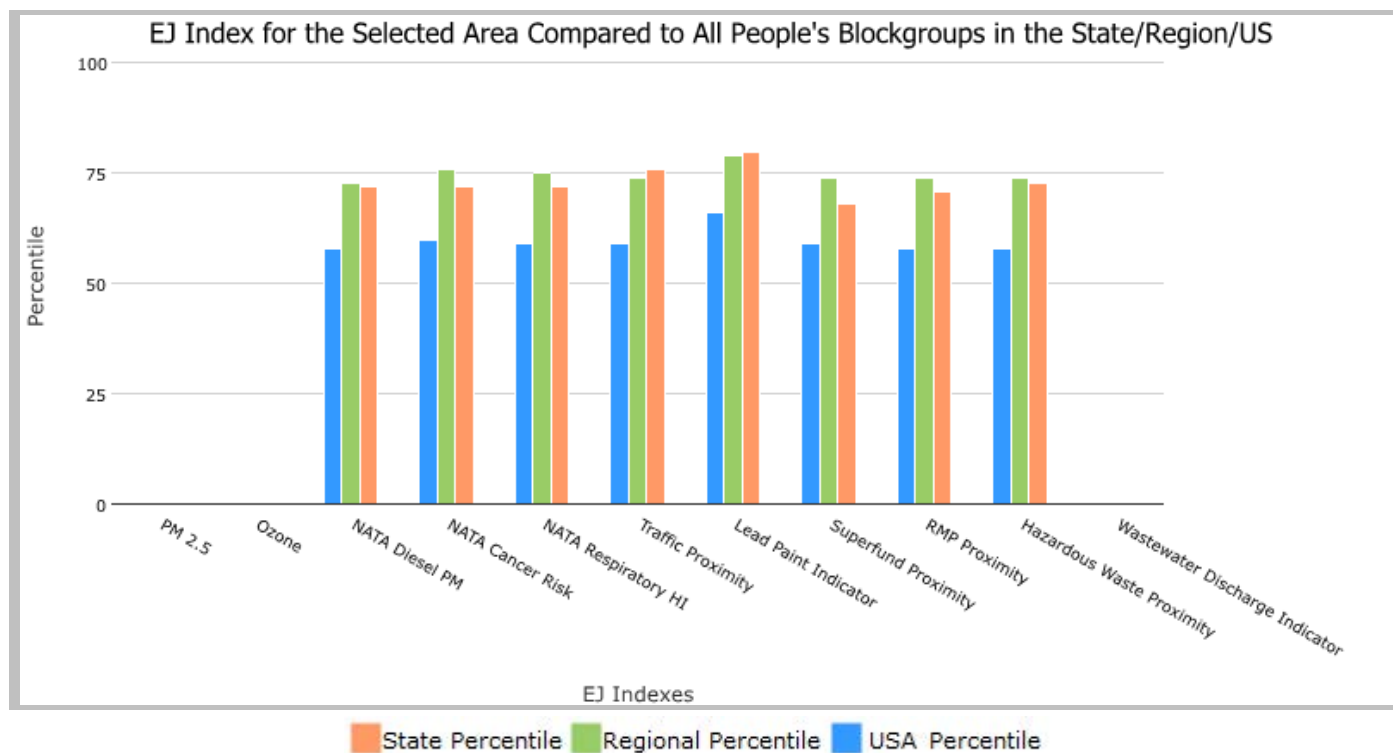


the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 77

Input Area (sq. miles): 0.95

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	72	73	58
EJ Index for NATA* Air Toxics Cancer Risk	72	76	60
EJ Index for NATA* Respiratory Hazard Index	72	75	59
EJ Index for Traffic Proximity and Volume	76	74	59
EJ Index for Lead Paint Indicator	80	79	66
EJ Index for Superfund Proximity	68	74	59
EJ Index for RMP Proximity	71	74	58
EJ Index for Hazardous Waste Proximity	73	74	58
EJ Index for Wastewater Discharge Indicator	N/A	N/A	N/A

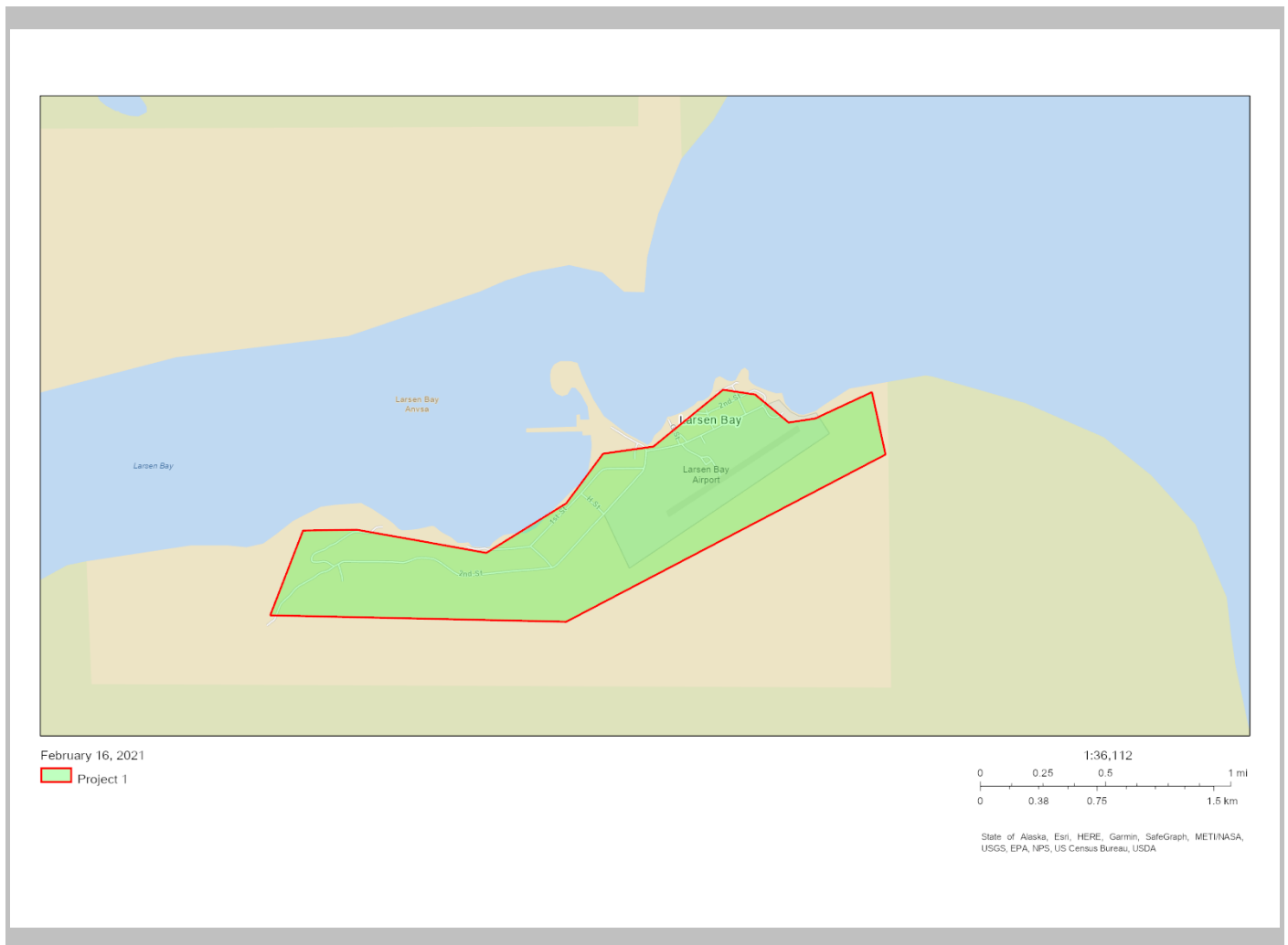


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the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 77

Input Area (sq. miles): 0.95



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

EJSCREEN Report (Version 2020)



the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 77

Input Area (sq. miles): 0.95

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.52	N/A	8.55	N/A
Ozone (ppb)	N/A	N/A	N/A	39.1	N/A	42.9	N/A
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.00239	0.361	11	0.481	<50th	0.478	<50th
NATA* Cancer Risk (lifetime risk per million)	6.3	15	4	31	<50th	32	<50th
NATA* Respiratory Hazard Index	0.061	0.2	5	0.46	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	0	260	14	510	4	750	4
Lead Paint Indicator (% Pre-1960 Housing)	0.041	0.079	59	0.22	26	0.28	25
Superfund Proximity (site count/km distance)	0.002	0.092	9	0.13	0	0.13	0
RMP Proximity (facility count/km distance)	0.011	0.5	11	0.65	1	0.74	0
Hazardous Waste Proximity (facility count/km distance)	0.011	0.56	13	1.5	1	5	0
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	N/A	N/A	N/A	3.1	N/A	9.4	N/A
Demographic Indicators							
Demographic Index	69%	32%	94	29%	97	36%	89
People of Color Population	83%	39%	92	28%	98	39%	85
Low Income Population	55%	25%	92	30%	89	33%	84
Linguistically Isolated Population	0%	2%	51	3%	47	4%	45
Population With Less Than High School Education	19%	7%	93	9%	87	13%	76
Population Under 5 years of age	6%	7%	35	6%	48	6%	50
Population over 64 years of age	10%	11%	56	15%	33	15%	32

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SAND POINT



EJSCREEN Report (Version 2020)

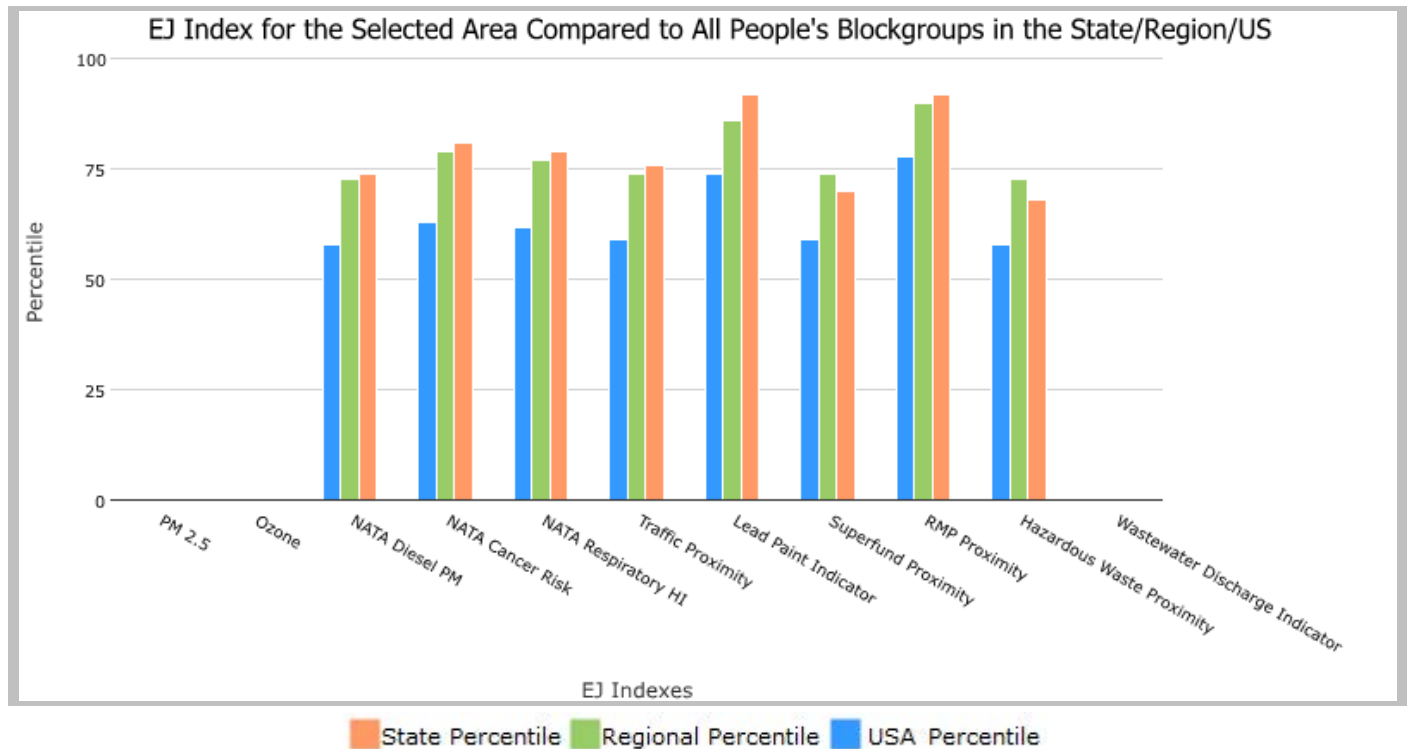


the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 1,386

Input Area (sq. miles): 3.39

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	74	73	58
EJ Index for NATA* Air Toxics Cancer Risk	81	79	63
EJ Index for NATA* Respiratory Hazard Index	79	77	62
EJ Index for Traffic Proximity and Volume	76	74	59
EJ Index for Lead Paint Indicator	92	86	74
EJ Index for Superfund Proximity	70	74	59
EJ Index for RMP Proximity	92	90	78
EJ Index for Hazardous Waste Proximity	68	73	58
EJ Index for Wastewater Discharge Indicator	N/A	N/A	N/A

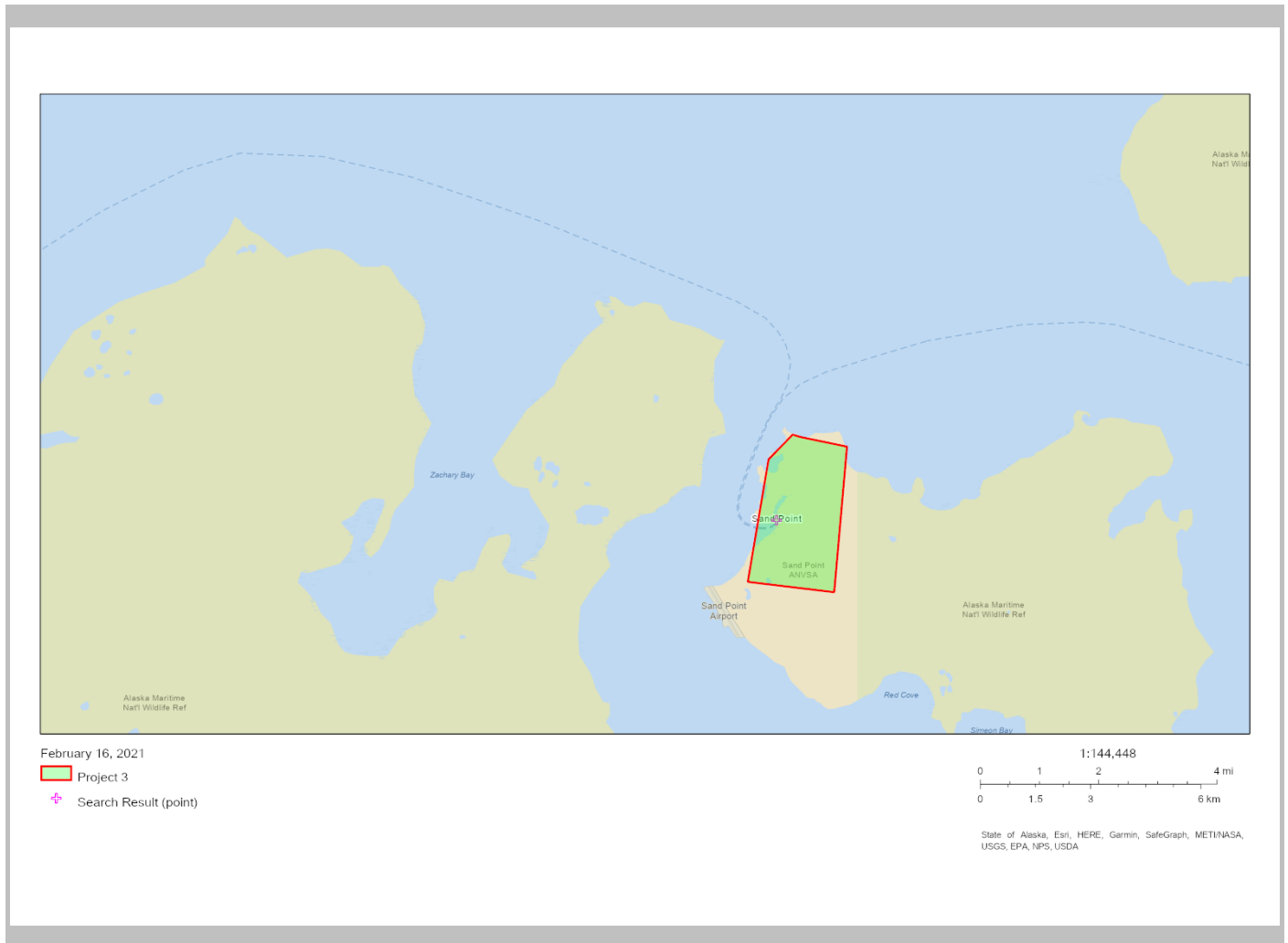


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Approximate Population: 1,386

Input Area (sq. miles): 3.39



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

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the User Specified Area, ALASKA, EPA Region 10

Approximate Population: 1,386

Input Area (sq. miles): 3.39

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.52	N/A	8.55	N/A
Ozone (ppb)	N/A	N/A	N/A	39.1	N/A	42.9	N/A
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.00174	0.361	9	0.481	<50th	0.478	<50th
NATA* Cancer Risk (lifetime risk per million)	6.3	15	3	31	<50th	32	<50th
NATA* Respiratory Hazard Index	0.066	0.2	11	0.46	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	0	260	14	510	4	750	4
Lead Paint Indicator (% Pre-1960 Housing)	0.087	0.079	76	0.22	40	0.28	36
Superfund Proximity (site count/km distance)	0.0011	0.092	0	0.13	0	0.13	0
RMP Proximity (facility count/km distance)	0.53	0.5	71	0.65	65	0.74	61
Hazardous Waste Proximity (facility count/km distance)	0.0024	0.56	3	1.5	0	5	0
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	N/A	N/A	N/A	3.1	N/A	9.4	N/A
Demographic Indicators							
Demographic Index	57%	32%	89	29%	94	36%	80
People of Color Population	83%	39%	92	28%	98	39%	85
Low Income Population	32%	25%	70	30%	59	33%	55
Linguistically Isolated Population	1%	2%	62	3%	53	4%	50
Population With Less Than High School Education	11%	7%	79	9%	70	13%	58
Population Under 5 years of age	5%	7%	24	6%	37	6%	38
Population over 64 years of age	9%	11%	47	15%	25	15%	26

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: <https://www.epa.gov/national-air-toxics-assessment>.

For additional information, see: www.epa.gov/environmentaljustice

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UNALASKA



EJSCREEN Report (Version 2020)

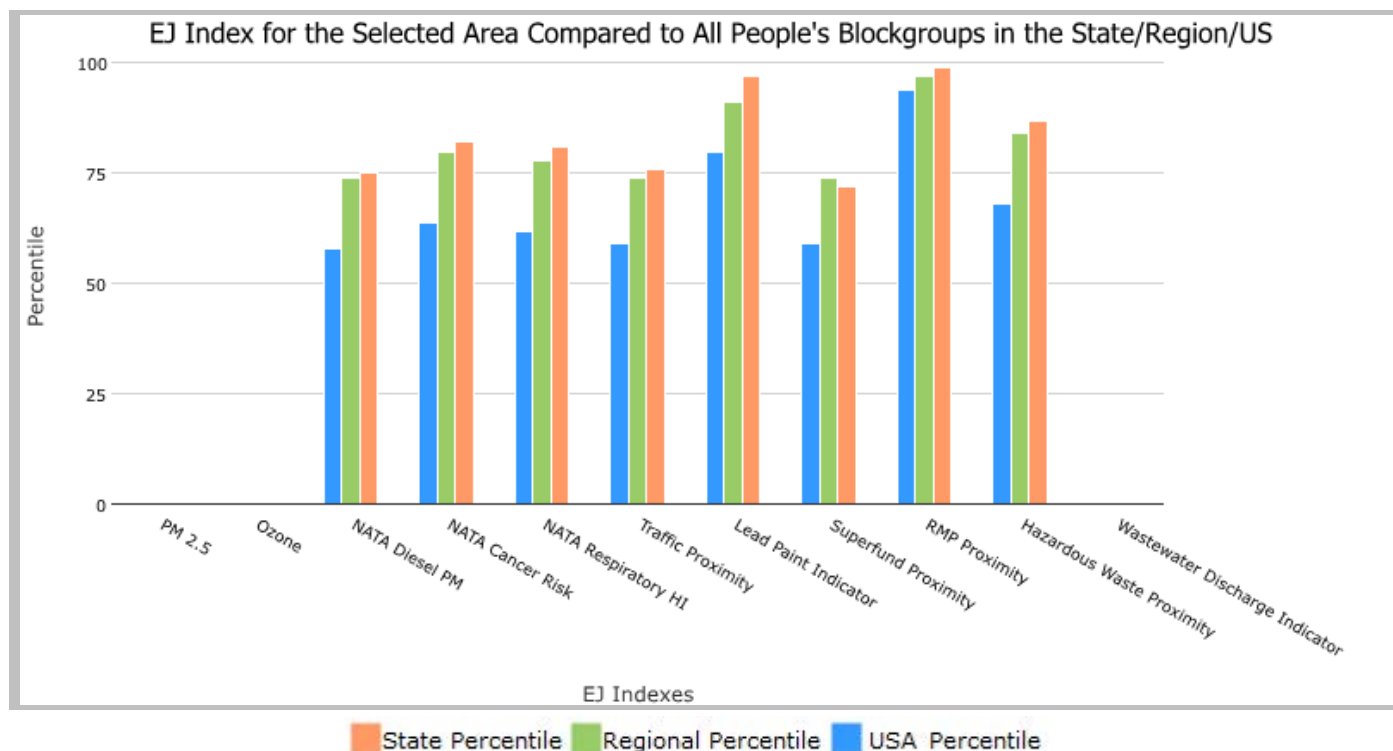


City: Unalaska, ALASKA, EPA Region 10

Approximate Population: 4,781

Input Area (sq. miles): 212.68

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	N/A	N/A	N/A
EJ Index for Ozone	N/A	N/A	N/A
EJ Index for NATA* Diesel PM	75	74	58
EJ Index for NATA* Air Toxics Cancer Risk	82	80	64
EJ Index for NATA* Respiratory Hazard Index	81	78	62
EJ Index for Traffic Proximity and Volume	76	74	59
EJ Index for Lead Paint Indicator	97	91	80
EJ Index for Superfund Proximity	72	74	59
EJ Index for RMP Proximity	99	97	94
EJ Index for Hazardous Waste Proximity	87	84	68
EJ Index for Wastewater Discharge Indicator	N/A	N/A	N/A



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.

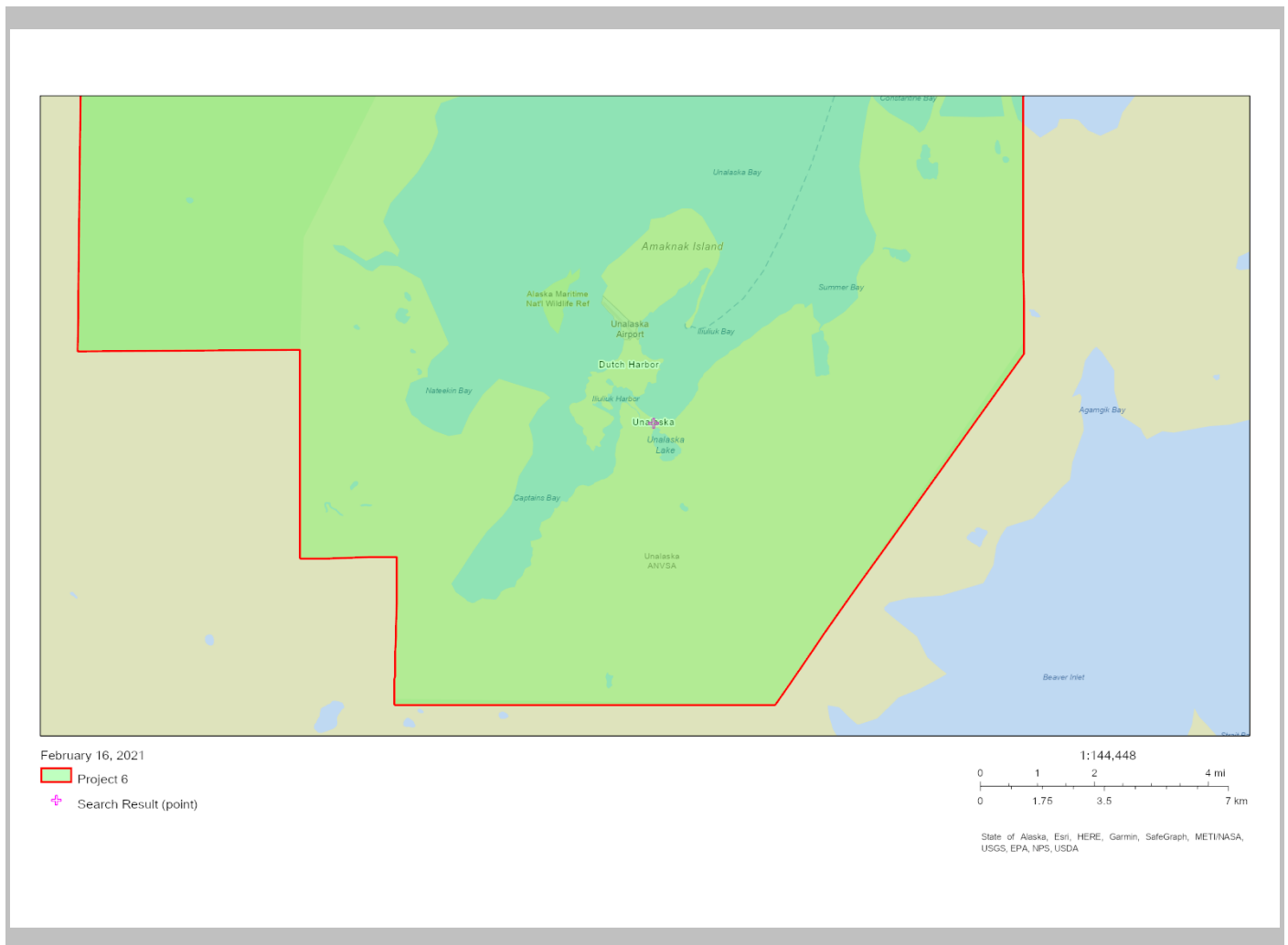
EJSCREEN Report (Version 2020)



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Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	1

EJSCREEN Report (Version 2020)



City: Unalaska, ALASKA, EPA Region 10

Approximate Population: 4,781

Input Area (sq. miles): 212.68

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$)	N/A	N/A	N/A	8.52	N/A	8.55	N/A
Ozone (ppb)	N/A	N/A	N/A	39.1	N/A	42.9	N/A
NATA* Diesel PM ($\mu\text{g}/\text{m}^3$)	0.002	0.361	10	0.481	<50th	0.478	<50th
NATA* Cancer Risk (lifetime risk per million)	6.4	15	7	31	<50th	32	<50th
NATA* Respiratory Hazard Index	0.065	0.2	9	0.46	<50th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	0	260	14	510	4	750	4
Lead Paint Indicator (% Pre-1960 Housing)	0.16	0.079	88	0.22	55	0.28	48
Superfund Proximity (site count/km distance)	0.0014	0.092	4	0.13	0	0.13	0
RMP Proximity (facility count/km distance)	2.4	0.5	97	0.65	94	0.74	93
Hazardous Waste Proximity (facility count/km distance)	0.24	0.56	56	1.5	37	5	28
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	N/A	N/A	N/A	3.1	N/A	9.4	N/A
Demographic Indicators							
Demographic Index	51%	32%	84	29%	90	36%	74
People of Color Population	75%	39%	89	28%	96	39%	81
Low Income Population	26%	25%	59	30%	48	33%	46
Linguistically Isolated Population	10%	2%	94	3%	90	4%	83
Population With Less Than High School Education	12%	7%	82	9%	73	13%	60
Population Under 5 years of age	4%	7%	19	6%	29	6%	31
Population over 64 years of age	5%	11%	14	15%	7	15%	8

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