MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

INTEROFFICE COMMUNICATION

TO: Regina Strong, Environmental Justice Public Advocate, Office of the Environmental Justice Public Advocate

Katie Lambeth, Tribal Liaison
Executive Office

FROM: Kimberly M. Tyson, Manager Kimberly M. Tyson
Hazardous Waste Section, Materials Management Division

DATE: June 5, 2025

SUBJECT: Environmental Justice and Limited English Proficiency Screenings, EQ Detroit, Inc., DBA US Ecology Detroit South; Site Identification Number MID 980 991 566, Waste Data System Number 399367

The Materials Management Division (MMD), Hazardous Waste Section (HWS), conducted Environmental Justice (EJ), and Limited English Proficiency (LEP), screenings for US Ecology Detroit South (USEDS). The MMD is required to conduct EJ and LEP screenings as part of the hazardous waste management facility operating license process.

Based on the EJ and LEP screenings, the HWS has determined that USEDS is in an EJ and LEP area.

Facility Background and Extent of Hazardous Waste Operations
USEDS is located at 1923 Frederick Street, Detroit, Wayne County, Michigan. USEDS operates an active commercial hazardous waste storage and treatment facility that is licensed to store hazardous waste in tanks and containers and treat hazardous waste in tanks onsite.

USEDS' September 10, 2008, initial application and its subsequent revisions have been reviewed for technical adequacy by the MMD. The MMD will hold a public informational meeting to provide an overview of the license review process and communicate its technically adequate determination.

EJ Screen Results
The EJ screen was conducted using the EGLE MiEJScreen Environmental Justice Screening Tool (Version 1.0).

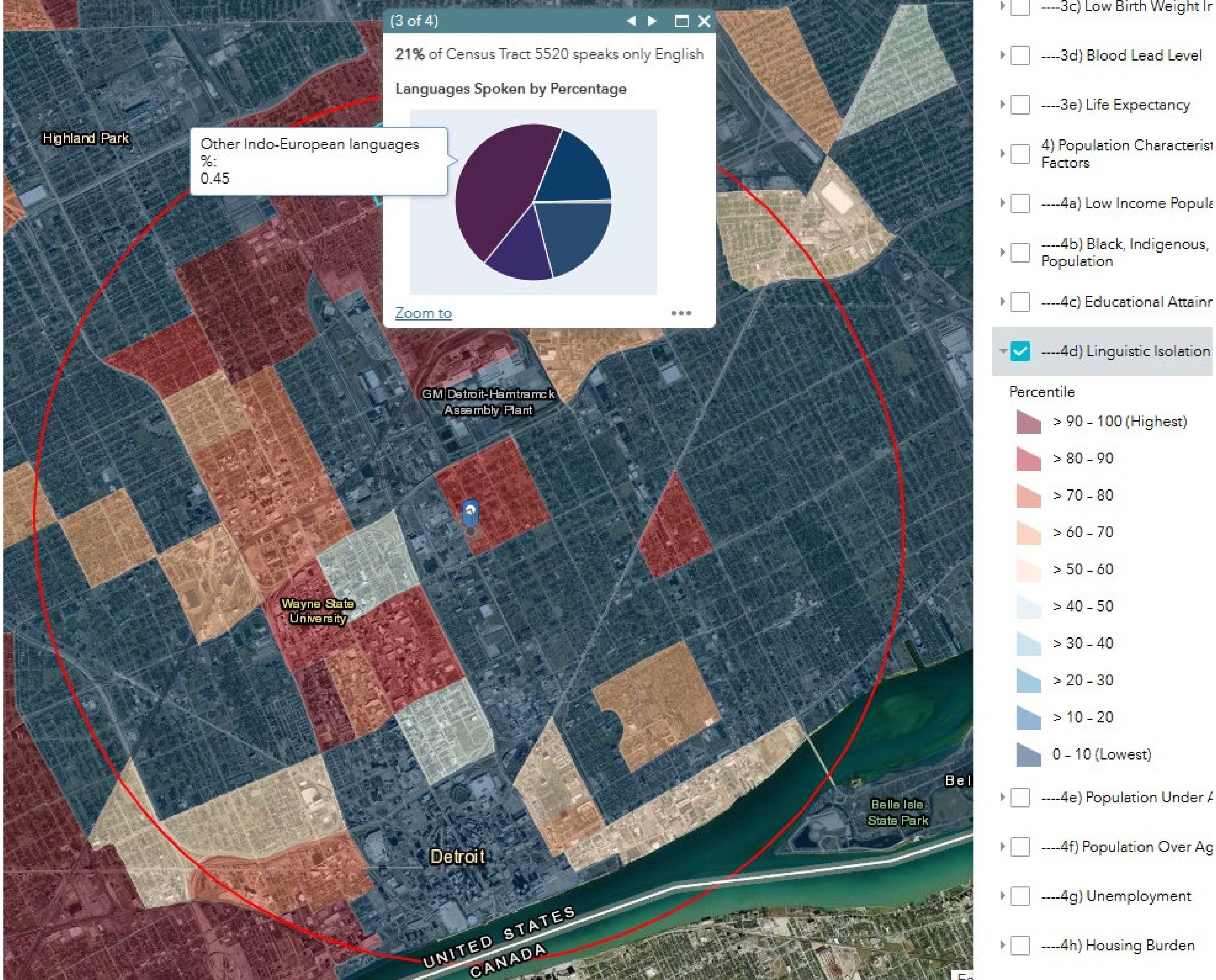
The EJ screen was initially performed with a one-mile buffer distance from the facility's perimeter but was increased in increments of a half-mile to three miles due to census tracts that were partially covered by the radius with MiEJScores of 80 or greater. Based on the results of the MiEJScreen (attached), staff determined that the community surrounding USEDS would be considered an EJ area.

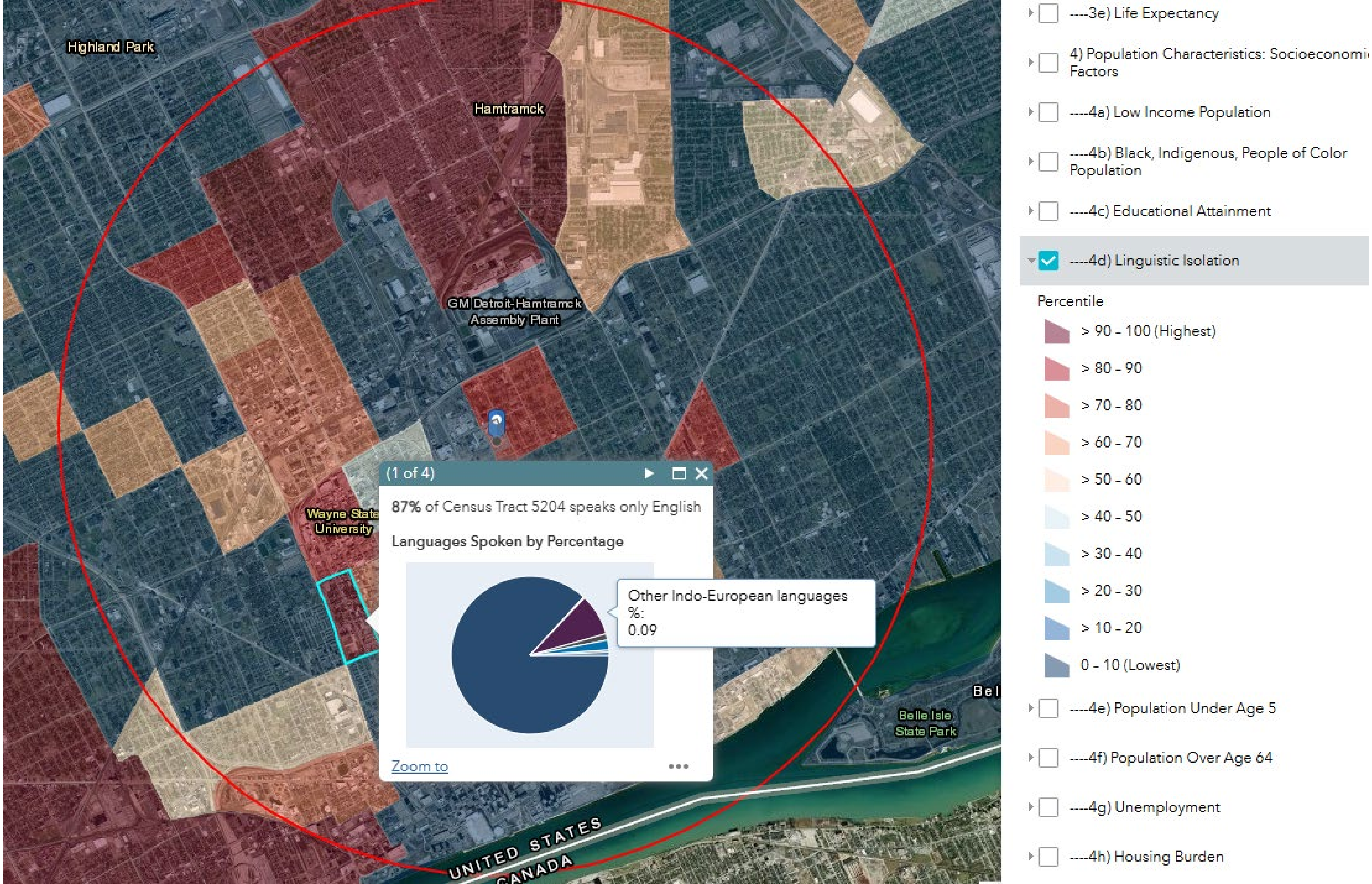
LEP Screen Results
The LEP screen was conducted using the United States Environmental Protection Agency's EJScreen Mapping Tool (Version 2.3, unofficial copy hosted by the Public Environmental Data Partners).

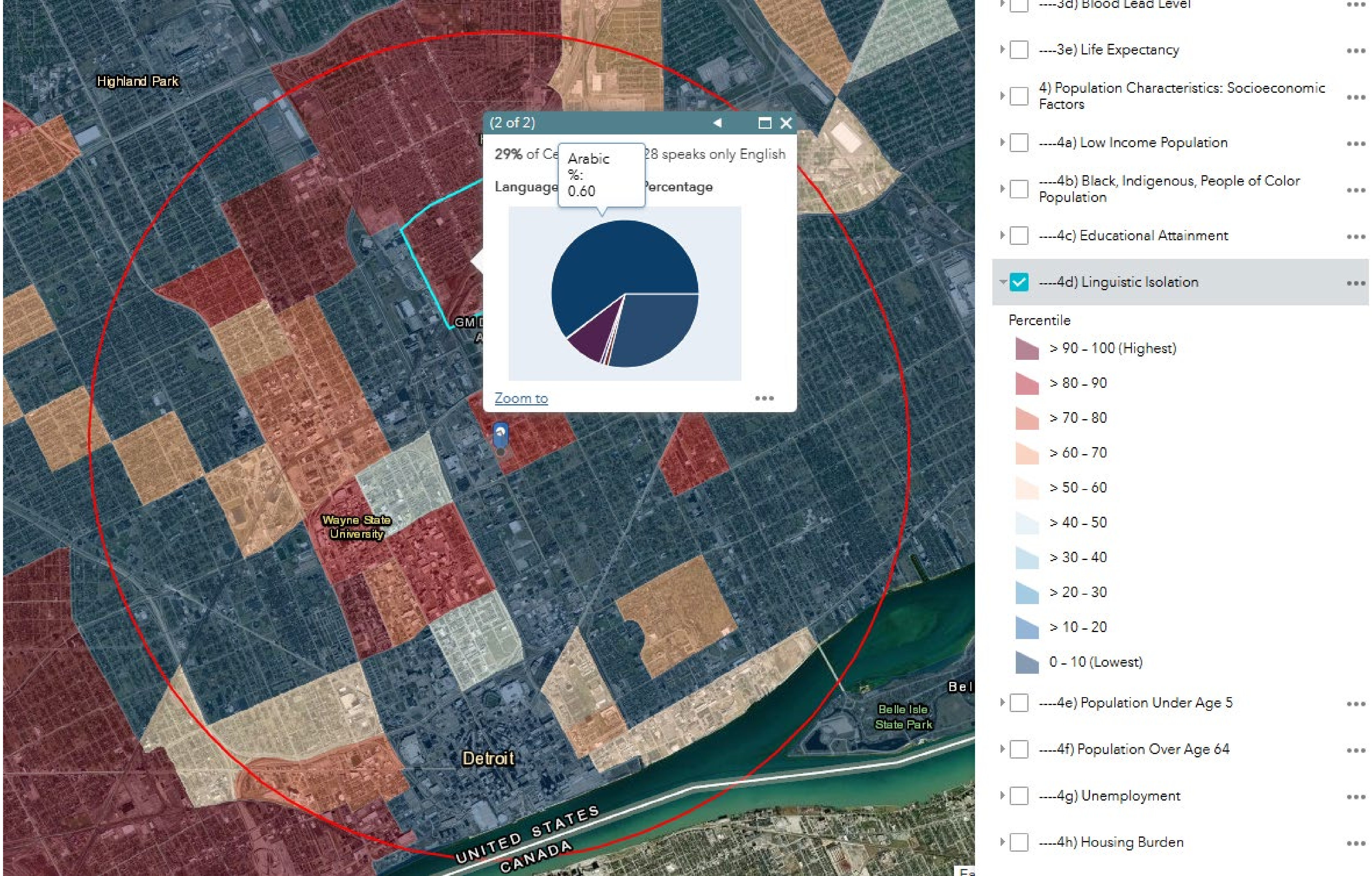
The LEP screen was performed using the same three-mile buffer distance. Because the population that speaks English "less than very well" is greater than the state average of 2 percent and greater than 500 people (7,776), staff determined vital documents will need to be translated. However, the MMD was unable to identify the "other Indo-European" and "other unidentified language(s)" spoken in LEP households.

Please confirm your concurrence with the EJ determination and assist with language and dialect identification(s) for LEP translations by June 19, 2025, if possible, to assist the MMD in preparing plans for the public informational meeting.

Attachments
cc/att: Tracy Kecskemeti, EGLE
Phil Roycraft, EGLE
Kevin Bott, EGLE
Mary Carnagie, EGLE
Natalie Brown, EGLE
Kate Hutchens, EGLE
Tianna Kilgore, EGLE
Elizabeth Cazallis, EGLE
Public Participation – Environmental Justice Documentation


(3 of 4)
21% of Census Tract 5520 speaks only English
Languages Spoken by Percentage
Other Indo-European languages
%:
0.45
Zoom to
Highland Park
GM Detroit-Hamtramck Assembly Plant
Wayne State University
Detroit
Belle Isle State Park
UNITED STATES
CANADA
----3c) Low Birth Weight Ir
----3d) Blood Lead Level
----3e) Life Expectancy
4) Population Characterist
Factors
----4a) Low Income Popula
----4b) Black, Indigenous,
Population
----4c) Educational Attainr
----4d) Linguistic Isolation
Percentile
> 90 - 100 (Highest)
> 80 - 90
> 70 - 80
> 60 - 70
> 50 - 60
> 40 - 50
> 30 - 40
> 20 - 30
> 10 - 20
0 - 10 (Lowest)
----4e) Population Under /
----4f) Population Over Ag
----4g) Unemployment
----4h) Housing Burden


Highland Park
Hamtramck
GM Detroit-Hamtramck Assembly Plant
Wayne State University
Belle Isle State Park
UNITED STATES
CANADA
(1 of 4)
87% of Census Tract 5204 speaks only English
Languages Spoken by Percentage
Other Indo-European languages %: 0.09
Zoom to
----3e) Life Expectancy
4) Population Characteristics: Socioeconomic Factors
----4a) Low Income Population
----4b) Black, Indigenous, People of Color Population
----4c) Educational Attainment
----4d) Linguistic Isolation
Percentile
> 90 - 100 (Highest)
> 80 - 90
> 70 - 80
> 60 - 70
> 50 - 60
> 40 - 50
> 30 - 40
> 20 - 30
> 10 - 20
0 - 10 (Lowest)
----4e) Population Under Age 5
----4f) Population Over Age 64
----4g) Unemployment
----4h) Housing Burden



Highland Park
(2 of 2)
29% of Ce
28 speaks only English
Arabic
%:
0.60
Language
Percentage
Zoom to
GM
Wayne State University
Detroit
UNITED STATES
CANADA
Belle Isle State Park
----3d) Blood Lead Level
----3e) Life Expectancy
4) Population Characteristics: Socioeconomic Factors
----4a) Low Income Population
----4b) Black, Indigenous, People of Color Population
----4c) Educational Attainment
----4d) Linguistic Isolation
Percentile
> 90 - 100 (Highest)
> 80 - 90
> 70 - 80
> 60 - 70
> 50 - 60
> 40 - 50
> 30 - 40
> 20 - 30
> 10 - 20
0 - 10 (Lowest)
----4e) Population Under Age 5
----4f) Population Over Age 64
----4g) Unemployment
----4h) Housing Burden

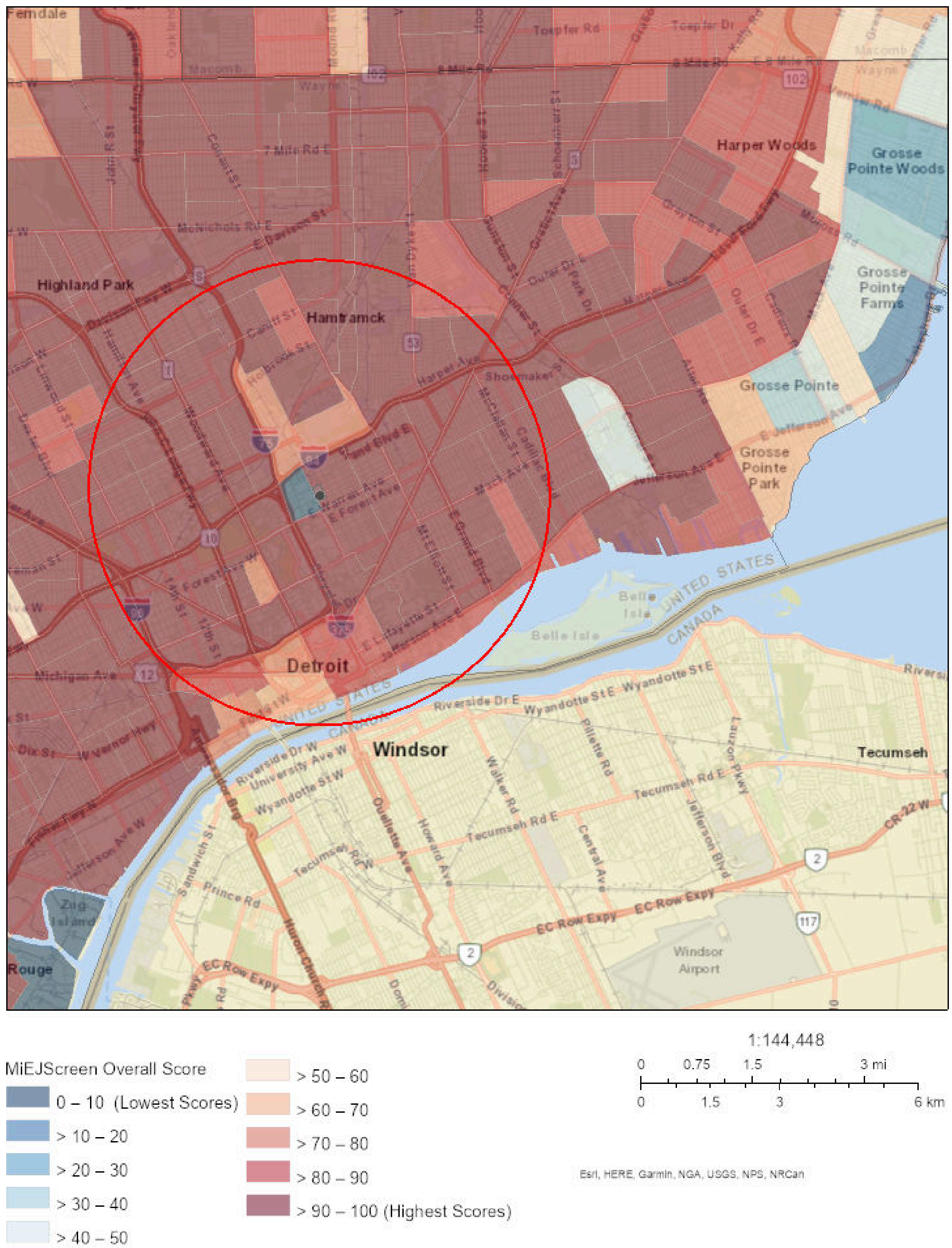
US Ecology Detroit South MID MID 980 991 566

1923 Frederick Street, Detroit, Michigan

Area : 30.22 mi²

April 14 2025

US Ecology Detroit South operates a commercial hazardous waste storage and treatment facility that is licensed to store hazardous waste in tanks and containers and treat hazardous waste in tanks.



The buffer zone around US Ecology Detroit South was increased to a maximum of three miles due to census tracts partially covered by the buffer distance with MiEJScores of 80 or greater.

MiEJScreen Overall Score

#	Census Tract	Tract Name	County	MiEJ Score Percentile	Environmental Conditions Percentile
1	26163531300	Census Tract 5313	Wayne County	85	71
2	26163511300	Census Tract 5113	Wayne County	99	95
3	26163553300	Census Tract 5533	Wayne County	99	95
4	26163513600	Census Tract 5136	Wayne County	96	86
5	26163522200	Census Tract 5222	Wayne County	93	91
6	26163533200	Census Tract 5332	Wayne County	91	74
7	26163531900	Census Tract 5319	Wayne County	96	91
8	26163521300	Census Tract 5213	Wayne County	94	96
9	26163521800	Census Tract 5218	Wayne County	97	93
10	26163522100	Census Tract 5221	Wayne County	93	95
11	26163517100	Census Tract 5171	Wayne County	82	91
12	26163553800	Census Tract 5538	Wayne County	96	92
13	26163515700	Census Tract 5157	Wayne County	89	92
14	26163985300	Census Tract 9853	Wayne County	75	88
15	26163513900	Census Tract 5139	Wayne County	97	90
16	26163533300	Census Tract 5333	Wayne County	95	82
17	26163520400	Census Tract 5204	Wayne County	99	97
18	26163520300	Census Tract 5203	Wayne County	79	95
19	26163552300	Census Tract 5523	Wayne County	89	88
20	26163504800	Census Tract 5048	Wayne County	90	91
21	26163532400	Census Tract 5324	Wayne County	99	94
22	26163552000	Census Tract 5520	Wayne County	90	85
23	26163510700	Census Tract 5107	Wayne County	94	94
24	26163514500	Census Tract 5145	Wayne County	98	91
25	26163516200	Census Tract 5162	Wayne County	100	89
26	26163517000	Census Tract 5170	Wayne County	88	98
27	26163532700	Census Tract 5327	Wayne County	94	90
28	26163533100	Census Tract 5331	Wayne County	94	76
29	26163516300	Census Tract 5163	Wayne County	98	93
30	26163516900	Census Tract 5169	Wayne County	93	98
31	26163985900	Census Tract 9859	Wayne County	0	66
32	26163532300	Census Tract 5323	Wayne County	93	94
33	26163510500	Census Tract 5105	Wayne County	99	96
34	26163516600	Census Tract 5166	Wayne County	95	92
35	26163532200	Census Tract 5322	Wayne County	92	92
36	26163532600	Census Tract 5326	Wayne County	96	96
37	26163514100	Census Tract 5141	Wayne County	99	94
38	26163518600	Census Tract 5186	Wayne County	98	94
39	26163533000	Census Tract 5330	Wayne County	98	88
40	26163515600	Census Tract 5156	Wayne County	96	90
41	26163520700	Census Tract 5207	Wayne County	80	98

42	26163515300	Census Tract 5153	Wayne County	96	92
43	26163518500	Census Tract 5185	Wayne County	100	99
44	26163531200	Census Tract 5312	Wayne County	90	91
45	26163552200	Census Tract 5522	Wayne County	95	96
46	26163505500	Census Tract 5055	Wayne County	100	99
47	26163517300	Census Tract 5173	Wayne County	98	99
48	26163520200	Census Tract 5202	Wayne County	93	97
49	26163518000	Census Tract 5180	Wayne County	93	97
50	26163552100	Census Tract 5521	Wayne County	98	96
51	26163552400	Census Tract 5524	Wayne County	95	89
52	26163514300	Census Tract 5143	Wayne County	100	95
53	26163515400	Census Tract 5154	Wayne County	87	93
54	26163515200	Census Tract 5152	Wayne County	97	94
55	26163522500	Census Tract 5225	Wayne County	98	98
56	26163522400	Census Tract 5224	Wayne County	99	96
57	26163514200	Census Tract 5142	Wayne County	99	93
58	26163516800	Census Tract 5168	Wayne County	97	97
59	26163553600	Census Tract 5536	Wayne County	94	92
60	26163516400	Census Tract 5164	Wayne County	97	98
61	26163518400	Census Tract 5184	Wayne County	99	97
62	26163517500	Census Tract 5175	Wayne County	100	99
63	26163521400	Census Tract 5214	Wayne County	88	97
64	26163511900	Census Tract 5119	Wayne County	98	96
65	26163516700	Census Tract 5167	Wayne County	98	96
66	26163520800	Census Tract 5208	Wayne County	61	93
67	26163515900	Census Tract 5159	Wayne County	99	99
68	26163504700	Census Tract 5047	Wayne County	99	93
69	26163511200	Census Tract 5112	Wayne County	99	98
70	26163516100	Census Tract 5161	Wayne County	97	99
71	26163516500	Census Tract 5165	Wayne County	81	98
72	26163533900	Census Tract 5339	Wayne County	91	97
73	26163510600	Census Tract 5106	Wayne County	96	91
74	26163516000	Census Tract 5160	Wayne County	97	93
75	26163518800	Census Tract 5188	Wayne County	100	97
76	26163521500	Census Tract 5215	Wayne County	98	98
77	26163522300	Census Tract 5223	Wayne County	99	95
78	26163522000	Census Tract 5220	Wayne County	99	96
79	26163517200	Census Tract 5172	Wayne County	86	100
80	26163521900	Census Tract 5219	Wayne County	96	98
81	26163518900	Census Tract 5189	Wayne County	99	99
82	26163552800	Census Tract 5528	Wayne County	97	93
83	26163511400	Census Tract 5114	Wayne County	100	95
84	26163985100	Census Tract 9851	Wayne County	78	96

85	26163511000	Census Tract 5110	Wayne County	100	99

#	Population Characteristics Score Percentile	Total Population	Area MiSq	Population Density (People/MiSq)	Percent Unemployed
1	86	916	0.2	4,094	9
2	99	2,462	0.6	4,212	28
3	98	1,023	0.3	3,140	31
4	98	1,276	0.4	3,376	18
5	88	415	0.2	2,045	13
6	97	915	0.2	3,784	12
7	94	960	0.3	3,515	44
8	86	1,050	0.4	2,803	27
9	96	1,623	0.1	18,691	14
10	84	860	0.4	2,003	8
11	73	1,140	0.1	10,519	9
12	92	1,536	0.4	3,810	31
13	82	3,624	0.5	7,770	1
14	62	235	0.4	563	7
15	97	2,028	0.5	4,083	16
16	98	1,018	0.3	3,820	7
17	95	2,298	0.2	14,531	9
18	64	2,473	0.2	14,198	9
19	83	3,274	0.2	17,084	12
20	83	658	1.2	539	15
21	98	1,467	0.2	6,951	17
22	87	3,073	0.2	14,755	7
23	87	1,783	0.2	8,142	10
24	98	1,015	0.2	4,662	12
25	100	784	0.2	3,593	16
26	76	3,359	0.2	15,144	3
27	91	722	0.2	3,196	14
28	99	1,209	0.2	5,131	22
29	97	768	0.2	3,213	8
30	81	2,149	0.2	9,048	21
31	0	0	0.2	0	*No Data*
32	86	782	0.3	2,995	7
33	97	4,130	0.6	7,443	11
34	91	2,569	0.3	9,628	23
35	85	1,250	0.3	4,627	26
36	89	2,005	0.3	7,352	6
37	99	2,609	0.6	4,198	17
38	95	381	0.3	1,331	11
39	99	1,575	0.3	5,486	16
40	94	1,450	0.3	4,342	11
41	62	2,568	0.3	8,662	3

42	92	2,965	0.3	9,658	11
43	99	940	0.3	3,041	14
44	84	2,481	0.4	5,954	5
45	88	3,686	0.3	12,019	7
46	97	1,190	0.7	1,618	28
47	89	2,501	0.3	7,717	8
48	83	2,981	0.3	9,346	5
49	83	2,787	0.3	8,481	6
50	94	3,996	0.3	11,820	11
51	93	2,815	0.3	8,315	12
52	100	2,533	0.8	3,249	19
53	77	1,726	0.3	4,953	2
54	94	1,991	0.4	5,548	7
55	89	1,808	0.4	5,010	23
56	97	1,014	0.4	2,738	29
57	98	2,379	0.4	6,273	8
58	89	850	0.4	2,239	18
59	88	2,415	0.6	3,749	21
60	87	809	0.4	2,033	12
61	98	297	0.4	729	29
62	99	2,621	0.4	6,164	13
63	76	1,179	0.5	2,347	9
64	92	1,535	0.4	3,449	13
65	93	3,102	0.5	6,700	19
66	28	1,772	0.5	3,569	1
67	94	1,652	0.5	3,373	24
68	99	1,599	0.5	3,157	19
69	93	1,243	0.5	2,398	10
70	86	506	0.5	971	44
71	64	1,791	0.5	3,465	9
72	81	2,908	0.5	5,565	9
73	93	5,704	0.5	10,695	14
74	94	1,850	0.6	3,336	4
75	99	650	0.5	1,187	20
76	89	1,549	0.6	2,662	11
77	97	1,161	0.6	1,821	27
78	95	1,932	0.6	3,116	34
79	69	2,486	0.6	3,960	2
80	86	3,206	0.7	4,906	6
81	91	1,869	0.7	2,625	31
82	95	5,097	0.7	7,159	10
83	100	2,261	0.8	3,008	29
84	61	182	1.1	162	0

85	99	1,737	2.0	890	42

#	Median Household Income past 12 months	Percent of Population that is Hispanic or Latino	Percent of Population that is White alone, Non-Hispanic	Percent of Population that is Black or African American alone, Non-Hispanic	Percent of Population that is American Indian and Alaska Native alone, Non-Hispanic
1	27,969	0	4	92	0
2	26,316	0	46	45	0
3	16,615	0	4	95	0
4	26,055	0	6	93	0
5	27,375	1	6	81	1
6	30,234	1	3	91	0
7	27,216	4	13	80	0
8	31,875	32	8	60	0
9	13,717	2	7	88	0
10	36,875	10	3	87	0
11	45,758	1	36	57	1
12	27,057	0	5	91	0
13	47,642	2	33	64	0
14	36,875	14	58	28	0
15	19,444	0	1	99	0
16	13,077	0	5	87	0
17	20,889	1	28	54	0
18	38,958	4	48	15	0
19	24,286	4	58	3	0
20	27,708	0	0	100	0
21	21,367	2	10	86	0
22	32,005	1	44	3	0
23	22,455	0	67	23	0
24	19,435	0	0	100	0
25	16,053	0	3	89	0
26	44,154	2	42	45	0
27	32,585	0	2	97	0
28	14,545	0	2	98	0
29	*No Data*	2	18	80	0
30	25,602	0	11	87	0
31	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
32	72,083	0	30	57	0
33	32,208	1	6	13	0
34	18,019	1	2	94	2
35	26,591	5	9	84	0
36	28,635	2	11	77	1
37	27,188	0	3	95	0
38	31,250	0	5	90	2
39	18,750	1	5	88	0
40	26,630	0	4	92	1

41	51,970	3	58	30	1
42	15,000	3	24	70	1
43	21,250	2	16	71	1
44	73,304	1	11	85	1
45	35,714	0	68	5	0
46	24,259	0	5	93	1
47	27,159	0	31	65	0
48	25,721	4	54	18	0
49	36,712	3	29	53	0
50	25,172	2	40	25	1
51	26,512	1	40	17	0
52	20,774	0	4	96	0
53	69,358	2	54	38	1
54	29,469	7	12	80	0
55	13,834	1	17	79	1
56	9,036	2	8	88	0
57	26,185	2	1	96	0
58	27,308	1	21	77	0
59	38,686	7	7	84	0
60	40,625	2	20	70	1
61	*No Data*	0	38	61	1
62	13,895	2	17	73	0
63	40,357	13	44	41	0
64	25,182	2	25	74	0
65	22,772	0	2	94	0
66	80,338	6	33	40	1
67	25,625	0	2	98	0
68	25,777	0	1	99	0
69	22,708	0	7	93	1
70	28,594	1	2	97	0
71	56,094	1	37	55	0
72	27,196	3	31	60	0
73	27,090	0	37	20	0
74	37,734	1	14	84	0
75	20,313	0	16	84	0
76	26,027	9	22	69	0
77	11,515	1	2	94	0
78	17,012	1	3	94	1
79	63,750	6	39	44	0
80	21,667	2	35	58	0
81	18,482	0	3	96	0
82	22,237	0	66	14	0
83	19,945	3	16	74	4

84	44,000	5	18	78	0
85	19,964	1	5	91	0

#	Percent of Population that is Asian alone, Non-Hispanic	Percent of Population that is Native Hawaiian and Other Pacific Islander alone, Non-Hispanic	Percent of Population that is Some Other Race alone, Non-Hispanic	Percent of Population that is 2 or More Races, Non-Hispanic	Area(mi²)
1	0	0	0	4	< 0.01
2	5	0	1	4	< 0.01
3	0	0	0	0	< 0.01
4	0	0	0	1	0.02
5	0	0	0	11	0.03
6	0	0	0	6	0.03
7	1	0	0	1	0.04
8	0	0	0	0	0.05
9	1	0	0	2	0.09
10	0	0	0	0	0.10
11	3	0	0	3	0.11
12	0	0	0	4	0.12
13	0	0	0	1	0.13
14	0	0	0	0	0.13
15	0	0	0	1	0.14
16	6	0	0	3	0.15
17	9	0	1	8	0.16
18	28	0	0	5	0.17
19	33	0	0	3	0.19
20	0	0	0	0	0.21
21	0	0	0	3	0.21
22	46	0	4	3	0.21
23	0	0	4	6	0.22
24	0	0	0	0	0.22
25	0	0	0	9	0.22
26	9	0	0	1	0.22
27	1	0	0	0	0.23
28	0	0	0	0	0.23
29	0	0	1	0	0.24
30	0	0	0	3	0.24
31	*No Data*	*No Data*	*No Data*	*No Data*	0.24
32	7	0	2	4	0.26
33	79	0	0	0	0.27
34	0	0	0	1	0.27
35	0	0	1	1	0.27
36	5	0	0	5	0.27
37	0	0	0	2	0.29
38	0	0	0	3	0.29
39	5	0	0	1	0.29
40	0	0	0	4	0.30

41	8	0	0	1	0.30
42	0	0	1	3	0.31
43	10	0	0	1	0.31
44	0	0	0	2	0.31
45	21	0	0	6	0.31
46	1	0	0	0	0.32
47	1	0	1	2	0.32
48	20	0	1	4	0.32
49	10	0	0	4	0.33
50	25	2	0	6	0.34
51	30	0	4	8	0.34
52	0	0	0	0	0.35
53	3	0	0	2	0.35
54	0	0	0	0	0.36
55	0	0	1	2	0.36
56	1	0	0	1	0.37
57	0	0	0	0	0.38
58	0	0	0	1	0.38
59	0	0	0	2	0.38
60	1	0	0	6	0.40
61	0	0	0	0	0.41
62	6	0	1	1	0.43
63	1	0	0	1	0.44
64	0	0	0	0	0.45
65	1	0	0	2	0.46
66	18	0	0	2	0.48
67	0	0	0	0	0.49
68	0	0	0	0	0.51
69	0	0	0	0	0.52
70	0	0	0	0	0.52
71	5	0	1	2	0.52
72	4	0	0	2	0.52
73	40	0	0	2	0.53
74	0	0	0	1	0.55
75	0	0	0	0	0.55
76	0	0	0	0	0.58
77	0	0	0	3	0.59
78	1	0	0	1	0.62
79	7	0	0	3	0.63
80	2	0	1	2	0.65
81	0	0	0	0	0.71
82	12	0	1	7	0.71
83	0	0	0	3	0.75

84	0	0	0	0	1.12
85	1	0	0	3	1.47

1) Environmental Conditions: Exposure Percentiles

#	1) Environmental Conditions: Exposure Percentiles	NATA Air Toxics Cancer Risks	NATA Respiratory Hazard Index	NATA Diesel Particulate Matter	Particulate Matter 2.5 (PM2.5)
1	86	91	96	97	95
2	92	86	86	92	91
3	99	94	98	97	95
4	78	80	69	78	84
5	99	98	99	98	95
6	86	92	96	98	95
7	99	95	98	98	95
8	99	98	99	99	94
9	98	98	99	99	92
10	99	98	98	99	94
11	99	98	98	99	89
12	98	92	98	98	94
13	89	77	73	94	84
14	93	82	69	99	92
15	79	81	69	77	85
16	91	96	97	98	95
17	99	98	99	99	92
18	97	98	98	99	92
19	94	88	90	93	92
20	88	88	85	83	87
21	99	96	98	99	93
22	93	90	94	96	92
23	92	87	89	91	90
24	81	90	76	82	86
25	91	91	91	97	88
26	99	98	98	99	89
27	99	96	97	99	94
28	88	94	97	98	95
29	89	94	88	95	88
30	97	98	98	99	89
31	99	*No Data*	*No Data*	*No Data*	91
32	98	96	98	99	94
33	98	90	97	98	93
34	96	97	97	98	87
35	98	95	98	98	94
36	100	99	98	99	94
37	84	88	76	81	85
38	95	95	97	98	88
39	95	96	97	99	94
40	78	81	70	82	85
41	100	99	99	99	90

42	91	89	76	88	86
43	99	95	98	98	89
44	98	95	97	98	95
45	99	91	95	98	92
46	98	93	88	90	86
47	100	98	99	99	90
48	100	98	99	99	92
49	100	97	98	99	92
50	99	95	98	98	93
51	93	90	86	90	91
52	98	94	90	89	85
53	82	84	74	84	86
54	84	92	82	87	87
55	99	99	99	99	91
56	100	98	99	99	93
57	97	94	89	91	87
58	95	94	96	98	88
59	97	91	97	98	94
60	96	99	99	92	86
61	99	96	98	98	90
62	100	98	99	99	91
63	100	99	99	99	92
64	99	97	98	99	93
65	94	97	98	97	87
66	100	99	99	100	90
67	98	94	95	95	88
68	96	89	86	85	87
69	100	94	97	99	92
70	99	94	97	98	88
71	98	99	99	99	88
72	100	99	98	99	93
73	88	83	87	89	91
74	89	92	83	91	87
75	93	94	97	99	89
76	99	97	98	99	94
77	99	98	98	99	94
78	100	99	99	99	89
79	100	97	98	99	90
80	96	93	96	98	91
81	97	92	97	98	93
82	100	94	97	98	91
83	99	98	99	99	93
84	96	91	90	88	89

#	Ozone	Traffic Proximity and Volume	Area(mi²)
1	70	25	< 0.01
2	88	61	< 0.01
3	74	99	< 0.01
4	91	34	0.02
5	65	99	0.03
6	66	20	0.03
7	73	99	0.04
8	69	88	0.05
9	77	75	0.09
10	66	99	0.10
11	84	83	0.11
12	77	85	0.12
13	90	65	0.13
14	75	77	0.13
15	91	37	0.14
16	67	41	0.15
17	78	88	0.16
18	80	65	0.17
19	86	62	0.19
20	92	50	0.21
21	78	87	0.21
22	86	48	0.21
23	88	56	0.22
24	91	29	0.22
25	88	37	0.22
26	84	91	0.22
27	75	90	0.23
28	71	22	0.23
29	88	29	0.24
30	85	67	0.24
31	84	100	0.24
32	77	91	0.26
33	85	93	0.27
34	86	53	0.27
35	77	89	0.27
36	75	97	0.27
37	92	44	0.29
38	87	45	0.29
39	72	54	0.29
40	90	31	0.30
41	80	96	0.30
42	88	62	0.31

43	87	90	0.31
44	73	86	0.31
45	85	98	0.31
46	92	97	0.32
47	83	99	0.32
48	78	99	0.32
49	82	100	0.33
50	85	98	0.34
51	87	61	0.34
52	92	94	0.35
53	89	34	0.35
54	88	27	0.36
55	80	90	0.36
56	75	100	0.37
57	90	92	0.38
58	86	48	0.38
59	82	79	0.38
60	87	62	0.40
61	85	91	0.41
62	83	96	0.43
63	75	98	0.44
64	81	89	0.45
65	86	43	0.46
66	79	90	0.48
67	89	93	0.49
68	91	91	0.51
69	83	99	0.52
70	88	85	0.52
71	86	72	0.52
72	78	98	0.52
73	88	47	0.53
74	89	41	0.55
75	85	38	0.55
76	70	94	0.59
77	72	98	0.62
78	83	96	0.63
79	84	93	0.71
80	86	60	0.71
81	82	80	0.75
82	85	98	1.12
83	75	97	1.23
84	89	84	1.47

2) Environmental Conditions: Environmental Effects Percentiles

#	2) Environmental Conditions: Environmental Effects	Proximity to Cleanup Sites	Proximity to Hazardous Waste Facilities	Impaired Water Bodies	Proximity to Solid Waste Sites and Facilities
1	24	29	68	0	0
2	86	94	91	0	85
3	49	91	75	0	0
4	88	81	77	91	0
5	34	41	70	0	0
6	37	31	72	0	0
7	33	43	79	0	0
8	63	85	85	0	0
9	50	84	92	0	0
10	54	75	87	0	0
11	36	90	68	0	0
12	46	75	80	0	0
13	85	85	60	97	0
14	60	98	66	0	0
15	95	60	72	91	72
16	42	45	79	0	0
17	66	97	97	0	0
18	70	99	99	0	0
19	51	56	97	0	0
20	79	76	93	0	71
21	53	64	94	0	0
22	44	43	91	0	0
23	80	87	99	0	65
24	92	25	75	91	86
25	69	76	93	0	0
26	71	95	83	0	61
27	33	14	90	0	0
28	33	14	79	0	0
29	88	85	86	91	0
30	85	89	84	91	61
31	0	0	0	0	0
32	44	59	91	0	0
33	58	70	89	0	0
34	66	92	63	91	0
35	42	51	82	0	0
36	52	76	95	0	0
37	95	74	71	91	72
38	78	86	97	0	61
39	51	63	89	0	0
40	95	61	71	91	86
41	69	99	85	0	0

42	83	80	63	91	0
43	83	77	99	0	92
44	39	34	85	0	0
45	54	49	98	0	0
46	83	89	91	0	82
47	77	99	97	0	61
48	57	95	99	0	0
49	54	98	100	0	0
50	53	58	95	0	0
51	59	83	99	0	0
52	59	90	82	0	0
53	97	69	68	91	86
54	95	49	83	91	80
55	73	100	95	0	0
56	53	95	96	0	0
57	50	61	91	0	0
58	89	98	95	0	72
59	49	60	86	0	0
60	88	96	74	91	0
61	61	85	100	0	0
62	77	99	100	0	61
63	60	99	79	0	0
64	57	99	99	0	0
65	87	98	79	91	61
66	39	99	72	0	0
67	80	83	96	0	70
68	59	72	95	0	0
69	62	98	100	0	0
70	85	94	98	0	84
71	76	99	56	97	0
72	60	99	99	0	0
73	81	79	97	0	78
74	87	57	90	0	86
75	92	97	99	0	86
76	66	98	93	0	0
77	56	92	92	0	0
78	56	92	91	0	0
79	89	100	90	91	0
80	72	97	95	0	0
81	77	99	99	0	86
82	65	89	99	0	0
83	59	81	97	0	0
84	55	93	100	0	0

85	89	100	100	0	97

#	Lead Paint Indicator	Proximity to Risk Management Plan (RMP) Sites	Wastewater Discharge Indicator	Area(mi²)
1	89	50	0	< 0.01
2	90	98	0	< 0.01
3	92	65	0	< 0.01
4	83	92	49	0.02
5	79	79	0	0.03
6	100	82	0	0.03
7	96	48	0	0.04
8	71	85	41	0.05
9	43	66	40	0.09
10	86	90	0	0.10
11	34	38	48	0.11
12	83	77	0	0.12
13	77	81	53	0.13
14	88	57	50	0.13
15	96	88	49	0.14
16	99	77	0	0.15
17	81	66	39	0.16
18	74	81	43	0.17
19	83	94	0	0.19
20	97	90	0	0.21
21	95	83	0	0.21
22	85	88	0	0.21
23	95	88	0	0.22
24	97	80	40	0.22
25	97	80	42	0.22
26	60	51	46	0.22
27	92	71	0	0.23
28	94	80	0	0.23
29	99	64	44	0.24
30	31	53	45	0.24
31	0	0	0	0.24
32	96	59	0	0.26
33	96	97	0	0.27
34	17	64	51	0.27
35	100	66	0	0.27
36	76	84	0	0.27
37	88	90	42	0.29
38	93	84	0	0.29
39	98	78	0	0.29
40	81	85	49	0.30
41	81	72	50	0.30

42	73	82	53	0.31
43	94	82	0	0.31
44	99	71	0	0.31
45	97	93	0	0.31
46	93	90	0	0.32
47	37	80	47	0.32
48	75	81	0	0.32
49	61	81	0	0.33
50	86	97	0	0.34
51	84	89	0	0.34
52	91	91	0	0.35
53	99	79	49	0.35
54	98	78	47	0.36
55	72	87	49	0.36
56	69	79	0	0.37
57	80	95	0	0.38
58	84	80	46	0.38
59	94	83	0	0.38
60	89	71	50	0.40
61	94	84	0	0.41
62	33	91	34	0.43
63	75	59	47	0.44
64	70	80	0	0.45
65	16	71	48	0.46
66	9	54	54	0.48
67	93	89	0	0.49
68	97	93	0	0.51
69	83	85	0	0.52
70	95	82	0	0.52
71	69	46	50	0.52
72	76	84	0	0.52
73	87	95	0	0.53
74	99	92	44	0.55
75	87	90	38	0.55
76	57	85	47	0.58
77	77	82	0	0.59
78	47	77	39	0.62
79	78	65	52	0.63
80	80	89	39	0.65
81	20	79	36	0.71
82	87	99	0	0.71
83	85	94	0	0.75
84	75	76	0	1.12

85	84	96	0	1.47

3) Population Characteristics: Sensitive Populations Percentiles

#	3) Population Characteristics: Sensitive Populations Percentiles	Asthma	Cardiovascular Disease	Low Birth Weight Infants	Lead Blood Level Suppressed
1	92	96	85	97	*No Data*
2	93	87	85	89	95
3	98	98	100	86	94
4	95	94	91	78	94
5	99	93	93	99	*No Data*
6	100	96	92	100	100
7	100	98	92	94	99
8	89	86	86	73	*No Data*
9	90	91	94	88	*No Data*
10	88	89	93	53	*No Data*
11	68	88	86	82	0
12	99	94	96	94	98
13	94	85	97	97	*No Data*
14	57	74	40	85	*No Data*
15	96	95	90	89	95
16	97	95	88	98	100
17	88	90	89	88	*No Data*
18	66	89	86	84	0
19	72	74	79	55	76
20	85	96	99	100	0
21	98	94	88	95	94
22	81	74	85	71	75
23	79	87	84	22	81
24	99	98	95	97	*No Data*
25	98	95	94	92	98
26	84	93	89	95	*No Data*
27	97	95	89	90	99
28	98	95	93	94	95
29	98	92	88	100	*No Data*
30	79	98	95	71	0
31	*No Data*	*No Data*	*No Data*	*No Data*	*No Data*
32	93	91	87	81	99
33	93	84	90	92	90
34	87	90	83	90	*No Data*
35	91	92	88	58	96
36	96	95	89	95	93
37	100	96	96	98	93
38	98	92	91	98	*No Data*
39	95	96	89	94	*No Data*
40	95	92	84	94	*No Data*

41	70	90	76	71	0
42	97	86	91	97	92
43	97	87	96	95	100
44	95	93	85	94	95
45	83	81	76	85	76
46	99	99	100	90	*No Data*
47	86	96	98	84	*No Data*
48	85	86	63	82	*No Data*
49	86	85	83	79	*No Data*
50	87	80	78	84	86
51	84	80	80	46	85
52	100	97	100	99	97
53	87	90	87	74	95
54	97	92	87	99	100
55	90	93	87	94	*No Data*
56	94	91	87	96	*No Data*
57	99	99	100	92	98
58	99	98	89	99	*No Data*
59	92	90	92	69	100
60	93	88	83	87	*No Data*
61	95	88	96	81	*No Data*
62	94	89	98	91	*No Data*
63	66	88	68	90	0
64	94	89	89	87	*No Data*
65	88	93	84	96	*No Data*
66	44	73	55	69	0
67	99	99	100	98	97
68	99	99	100	98	97
69	95	87	92	90	*No Data*
70	91	93	99	55	*No Data*
71	66	83	87	32	0
72	87	89	85	90	*No Data*
73	88	85	85	87	77
74	99	99	94	87	99
75	100	96	97	99	*No Data*
76	87	90	87	96	*No Data*
77	96	93	90	80	96
78	92	90	93	87	*No Data*
79	77	87	89	80	0
80	90	90	88	89	79
81	86	96	100	76	*No Data*
82	88	80	82	73	88
83	97	89	92	89	99

84	76	85	92	91	*No Data*
85	96	91	97	95	93

#	Life Expectancy Percentile	Life Expectancy	Area(mi²)
1	83	73	< 0.01
2	91	72	< 0.01
3	91	72	< 0.01
4	98	68	0.02
5	*No Data*	*No Data*	0.03
6	97	70	0.03
7	100	62	0.04
8	86	73	0.05
9	*No Data*	*No Data*	0.09
10	*No Data*	*No Data*	0.10
11	35	79	0.11
12	98	69	0.12
13	*No Data*	*No Data*	0.13
14	*No Data*	*No Data*	0.13
15	91	72	0.14
16	89	72	0.15
17	*No Data*	*No Data*	0.16
18	25	80	0.17
19	30	79	0.19
20	99	66	0.21
21	98	68	0.21
22	64	76	0.21
23	67	76	0.22
24	99	67	0.22
25	*No Data*	*No Data*	0.22
26	35	79	0.22
27	*No Data*	*No Data*	0.23
28	96	70	0.23
29	*No Data*	*No Data*	0.24
30	85	73	0.24
31	*No Data*	*No Data*	0.24
32	*No Data*	*No Data*	0.26
33	89	72	0.27
34	95	70	0.27
35	97	69	0.27
36	84	73	0.27
37	98	68	0.29
38	*No Data*	*No Data*	0.29
39	90	72	0.29
40	97	69	0.30
41	62	77	0.30
42	99	67	0.31

43	91	72	0.31
44	90	72	0.31
45	66	76	0.31
46	91	72	0.32
47	48	78	0.32
48	*No Data*	*No Data*	0.32
49	*No Data*	*No Data*	0.33
50	76	75	0.34
51	91	72	0.34
52	96	70	0.35
53	62	77	0.35
54	89	72	0.36
55	96	70	0.36
56	99	66	0.37
57	93	71	0.38
58	*No Data*	*No Data*	0.38
59	90	72	0.38
60	100	65	0.40
61	*No Data*	*No Data*	0.41
62	99	67	0.43
63	37	79	0.44
64	99	66	0.45
65	83	73	0.46
66	12	82	0.48
67	84	73	0.49
68	88	72	0.51
69	97	69	0.52
70	*No Data*	*No Data*	0.52
71	80	74	0.52
72	78	74	0.52
73	77	75	0.53
74	99	66	0.55
75	*No Data*	*No Data*	0.55
76	50	78	0.58
77	100	65	0.59
78	83	73	0.62
79	82	74	0.63
80	75	75	0.65
81	88	72	0.71
82	88	72	0.71
83	95	70	0.75
84	*No Data*	*No Data*	1.12
85	83	73	1.47

4) Population Characteristics: Socioeconomic Factors Percentiles

#	4) Population Characteristics: Socioeconomic Factors Percentiles	Poverty	Percent Minority	Less Than High School Education	Linguistic Isolation
1	74	82	95	97	0
2	99	97	82	96	98
3	92	99	94	98	0
4	97	94	93	95	0
5	68	91	92	74	0
6	87	92	96	38	62
7	82	96	90	63	0
8	77	87	92	89	57
9	97	95	92	97	0
10	77	85	95	83	0
11	75	42	84	31	60
12	77	96	94	42	0
13	51	39	85	52	0
14	64	63	76	99	98
15	93	92	99	97	0
16	93	91	94	90	0
17	98	96	86	94	92
18	56	81	81	13	77
19	98	98	77	91	100
20	79	88	99	99	0
21	93	96	91	78	69
22	95	97	82	94	100
23	98	100	70	96	98
24	92	89	99	93	0
25	100	96	96	98	84
26	50	44	83	7	54
27	80	85	97	90	0
28	98	99	97	92	0
29	90	98	88	96	0
30	84	78	90	80	0
31	0	0	0	0	0
32	71	24	86	46	80
33	96	99	93	99	99
34	94	98	96	91	0
35	72	90	91	63	0
36	78	87	90	92	0
37	93	95	95	92	0
38	86	75	93	98	0
39	99	93	93	86	62
40	88	96	94	92	0

41	43	62	77	27	0
42	82	89	87	98	0
43	96	90	89	78	0
44	61	59	90	39	0
45	93	90	70	93	100
46	89	97	94	88	57
47	91	85	86	84	50
48	79	97	79	56	88
49	77	69	86	76	50
50	98	90	84	93	99
51	99	97	84	97	99
52	98	97	94	98	0
53	47	33	79	21	0
54	87	93	90	91	0
55	85	99	89	94	0
56	95	98	92	75	65
57	93	79	98	89	0
58	73	84	88	65	0
59	80	74	92	89	0
60	76	79	88	90	0
61	97	84	84	94	83
62	100	98	89	89	83
63	86	81	82	72	79
64	87	88	87	80	74
65	97	85	97	72	62
66	11	10	85	0	0
67	82	88	97	97	0
68	96	82	98	98	0
69	87	94	92	67	0
70	76	98	97	64	0
71	56	45	84	10	54
72	64	83	85	39	72
73	96	97	84	99	100
74	84	88	90	89	0
75	97	92	89	95	0
76	92	89	87	86	54
77	93	99	96	98	0
78	95	99	95	94	0
79	44	33	84	88	0
80	78	92	85	86	0
81	95	97	95	92	0
82	97	96	71	97	99
83	100	96	89	94	96

84	23	37	88	72	0
85	98	98	94	95	67

#	Individuals Under 5 Years Old	Individuals Over 64 Years Old	Unemployment	Housing Burden	Area(mi²)
1	4	29	94	76	< 0.01
2	97	12	97	79	< 0.01
3	88	14	99	94	< 0.01
4	95	71	88	95	0.02
5	4	30	59	98	0.03
6	3	81	97	84	0.03
7	75	4	100	96	0.04
8	6	13	86	66	0.05
9	75	95	83	96	0.09
10	45	80	93	12	0.10
11	5	91	83	86	0.11
12	39	44	95	88	0.12
13	0	97	36	72	0.13
14	0	0	0	99	0.13
15	100	16	95	91	0.14
16	80	47	95	99	0.15
17	93	3	85	97	0.16
18	0	2	64	81	0.17
19	89	3	87	95	0.19
20	11	21	98	89	0.21
21	52	9	96	97	0.21
22	87	7	79	70	0.21
23	93	1	91	96	0.22
24	30	83	99	87	0.22
25	99	64	99	94	0.22
26	3	42	68	78	0.22
27	40	12	96	91	0.23
28	75	86	100	92	0.23
29	0	93	99	99	0.24
30	2	100	89	94	0.24
31	0	0	0	0	0.24
32	2	74	77	74	0.26
33	41	9	94	83	0.27
34	100	24	94	97	0.27
35	12	26	97	88	0.27
36	6	58	94	76	0.27
37	97	31	100	83	0.29
38	0	96	92	93	0.29
39	96	46	98	93	0.29
40	87	18	94	79	0.30
41	3	30	73	82	0.30

42	7	62	95	83	0.31
43	90	92	94	93	0.31
44	37	22	93	83	0.31
45	87	5	85	68	0.31
46	17	23	100	85	0.32
47	80	19	95	79	0.32
48	8	1	78	99	0.32
49	4	27	86	96	0.33
50	93	11	82	89	0.34
51	96	16	81	94	0.34
52	87	86	94	93	0.35
53	32	68	57	77	0.35
54	14	94	89	79	0.36
55	55	18	83	98	0.36
56	84	9	87	98	0.37
57	70	74	99	79	0.38
58	22	23	95	96	0.38
59	16	67	97	74	0.38
60	0	83	71	76	0.40
61	0	91	97	99	0.41
62	52	81	91	98	0.43
63	84	13	55	82	0.44
64	3	38	100	82	0.45
65	52	73	89	97	0.46
66	8	52	0	77	0.48
67	16	35	95	94	0.49
68	86	67	98	90	0.51
69	72	35	92	96	0.52
70	22	17	99	93	0.52
71	8	43	73	81	0.52
72	7	15	48	84	0.52
73	97	7	83	53	0.53
74	53	32	97	84	0.55
75	98	72	98	90	0.55
76	37	52	91	89	0.58
77	85	47	91	75	0.59
78	92	30	96	99	0.62
79	2	2	71	78	0.63
80	26	33	86	92	0.65
81	80	62	92	97	0.71
82	86	6	82	95	0.71
83	82	61	96	95	0.75
84	0	0	6	84	1.12

85	45	54	93	94	1.47

Site 1 (ejam_uniq_id 1)
with 3 mile buffer
Population: 129,609

EJAM Report

EJScreen Multisite Report

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

Toxic Releases to Air	5,000	2,500	91	4,600	86
Traffic Proximity and Volume (daily traffic count/distance to road)	3,400,000	910,000	97	1,700,000	85
Lead Paint Indicator (% pre-1960s housing)	0.60	0.38	73	0.3	80
Superfund Proximity (site count/km distance)	0.00	0.28	0	0.39	0
RMP Proximity (facility count/km distance)	1.58	0.38	96	0.57	90
Hazardous Waste Proximity (facility count/km distance)	5.5	2.0	93	3.5	81
Underground Storage Tanks (UST) indicator	28.2	7.6	94	3.6	98
Wastewater Discharge Indicator (toxicity-weighted concentration/distance)	18	880	61	700,000	41
Drinking Water Non-Compliance	0.2	0.39	84	2.2	74
SOCIOECONOMIC INDICATORS					
Demographic Index USA	2.47	1.18	90	1.34	87
Supplemental Demographic Index USA	2.50	1.50	93	1.64	89
% Low Income	58%	31%	87	30%	87
% in limited English-speaking Households	6%	2%	92	5%	78
% Unemployed	12%	6%	84	6%	87
% with Less Than High School Education	18%	9%	87	11%	78
% under Age 5	6%	5%	64	5%	61
% over Age 64	15%	18%	41	18%	45
% People of Color	71%	26%	88	40%	78

Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. For each of the environmental indicators in EJScreen, there is an EJ Index and a Supplement Index. 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 EJScre 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.

SELECTED VARIABLES	PERCENTILE IN STATE	PERCENTILE IN USA
EJ INDEXES		
Particulate Matter EJ Index	93	93
Ozone EJ Index	96	93
Nitrogen Dioxide (NO2) EJ Index	93	93
Diesel Particulate Matter EJ Index	93	83
Toxic Releases to Air EJ Index	93	95
Traffic Proximity and Volume EJ Index	94	93
Lead Paint EJ Index	89	93
Superfund Proximity EJ Index	0	0
RMP Proximity EJ Index	95	93
Hazardous Waste Proximity EJ Index	94	92
Underground Storage Tanks EJ Index	93	95
Wastewater Discharge EJ Index	81	63
Drinking Water Non-Compliance EJ Index	87	77
SUPPLEMENTAL EJ INDEXES		
Particulate Matter Supplemental EJ Index	95	95
Ozone Supplemental EJ Index	98	95
Nitrogen Dioxide (NO2) Supplemental EJ Index	96	95
Diesel Particulate Matter Supplemental EJ Index	95	85
Toxic Releases to Air Supplemental EJ Index	96	95
Traffic Proximity and Volume Supplemental EJ Index	96	94
Lead Paint Supplemental EJ Index	91	93
Superfund Proximity Supplemental EJ Index	0	0
RMP Proximity Supplemental EJ Index	97	95
Hazardous Waste Proximity Supplemental EJ Index	96	94
Underground Storage Tanks Supplemental EJ Index	95	96
Wastewater Discharge Supplemental EJ Index	70	49
Drinking Water Non-Compliance Supplemental EJ Index	85	73

SELECTED VARIABLES	VALUE
BREAKDOWN BY RACE	
% Hispanic or Latino	2%
% Black or African American (non-Hispanic, single race)	53%
% Asian (non-Hispanic, single race)	11%
% American Indian and Alaska Native (non-Hispanic, single race)	0%
% Native Hawaiian and Other Pacific Islander (non-Hispanic, single race)	0%
% Other race (non-Hispanic, single race)	1%
% Two or more races (non-Hispanic)	3%
% White (non-Hispanic, single race)	29%
BREAKDOWN BY GENDER	
% Male	49%
% Female	51%
LIMITED ENGLISH SPEAKING BREAKDOWN	
%Spanish lang (as %of limited English hhlds)	4%
%Other Indo-European lang (as %of limited English hhlds)	60%
%Asian-Pacific Island lang (as %of limited English hhlds)	4%
%Other lang (as %of limited English hhlds)	32%

Note: Diesel particulate matter index is 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.