

# 68th Street/Hunter College Subway Station Improvement Project Manhattan, New York

## Draft Environmental Assessment

### Appendix E: Environmental Justice Data

LEAD FEDERAL AGENCY:  
Federal Transit Administration



SPONSORING AGENCY:  
Metropolitan Transportation Authority/New York City Transit



January 2016

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The United States Environmental Protection Agency's EJSCREEN (environmental justice screen) allows users to access high-resolution environmental and demographic information for locations in the United States, and compare their selected locations to the rest of the state, EPA region, or the nation.

According to the data from EPA's EJSCREEN (below), the minority population in the study area is 13 percent compared with a minority population of 42 percent in New York State. The low income population in the study area is 9 percent compared with a low income population of 32 percent in New York State.

# EJSCREEN Report

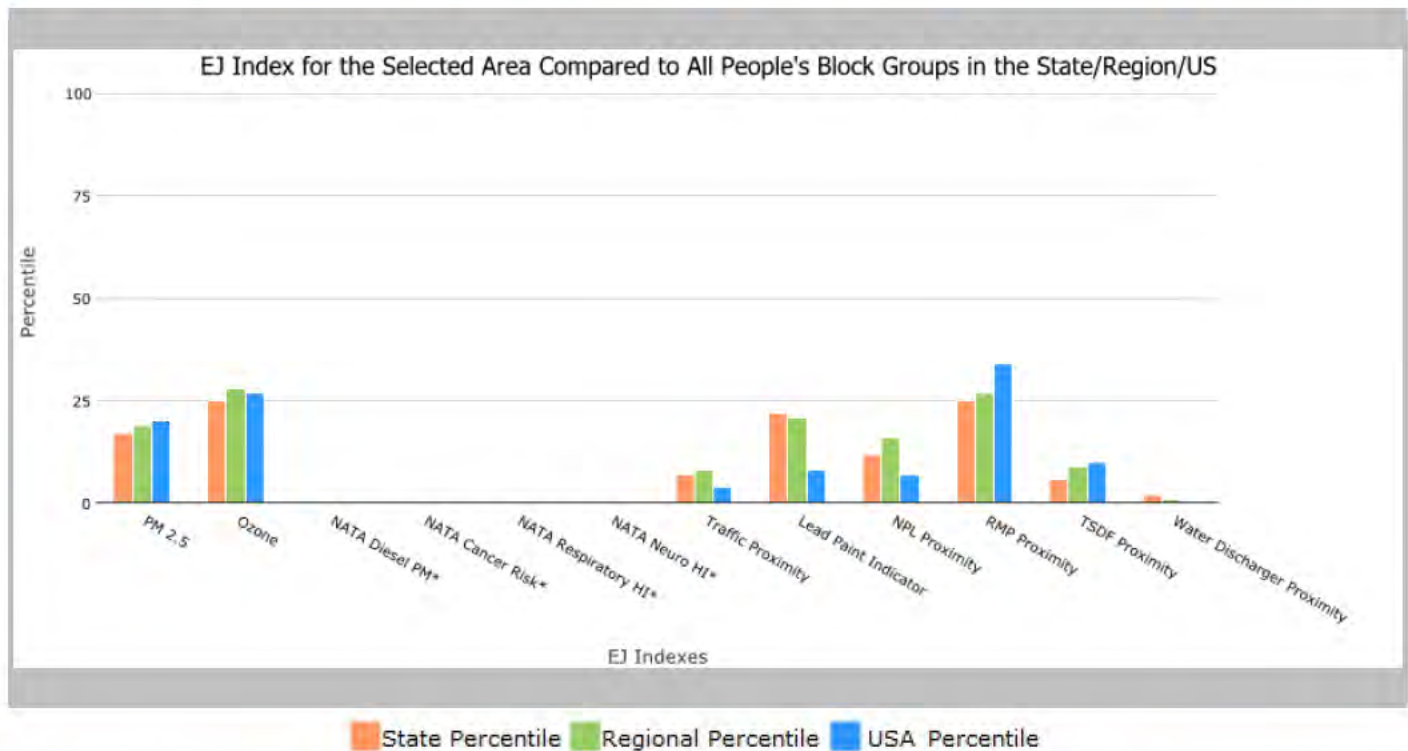


for the User Specified Area, NEW YORK, EPA Region 2

Approximate Population: 17149

68th Street Subway Improvements Project

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
<b>EJ Indexes</b>			
EJ Index for PM2.5	17	19	20
EJ Index for Ozone	25	28	27
EJ Index for NATA Diesel PM*	N/A	N/A	N/A
EJ Index for NATA Air Toxics Cancer Risk*	N/A	N/A	N/A
EJ Index for NATA Respiratory Hazard Index*	N/A	N/A	N/A
EJ Index for NATA Neurological Hazard Index*	N/A	N/A	N/A
EJ Index for Traffic Proximity and Volume	7	8	4
EJ Index for Lead Paint Indicator	22	21	8
EJ Index for Proximity to NPL sites	12	16	7
EJ Index for Proximity to RMP sites	25	27	34
EJ Index for Proximity to TSDFs	6	9	10
EJ Index for Proximity to Major Direct Dischargers	2	1	0



This report shows environmental, demographic, and EJ indicator values. 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.

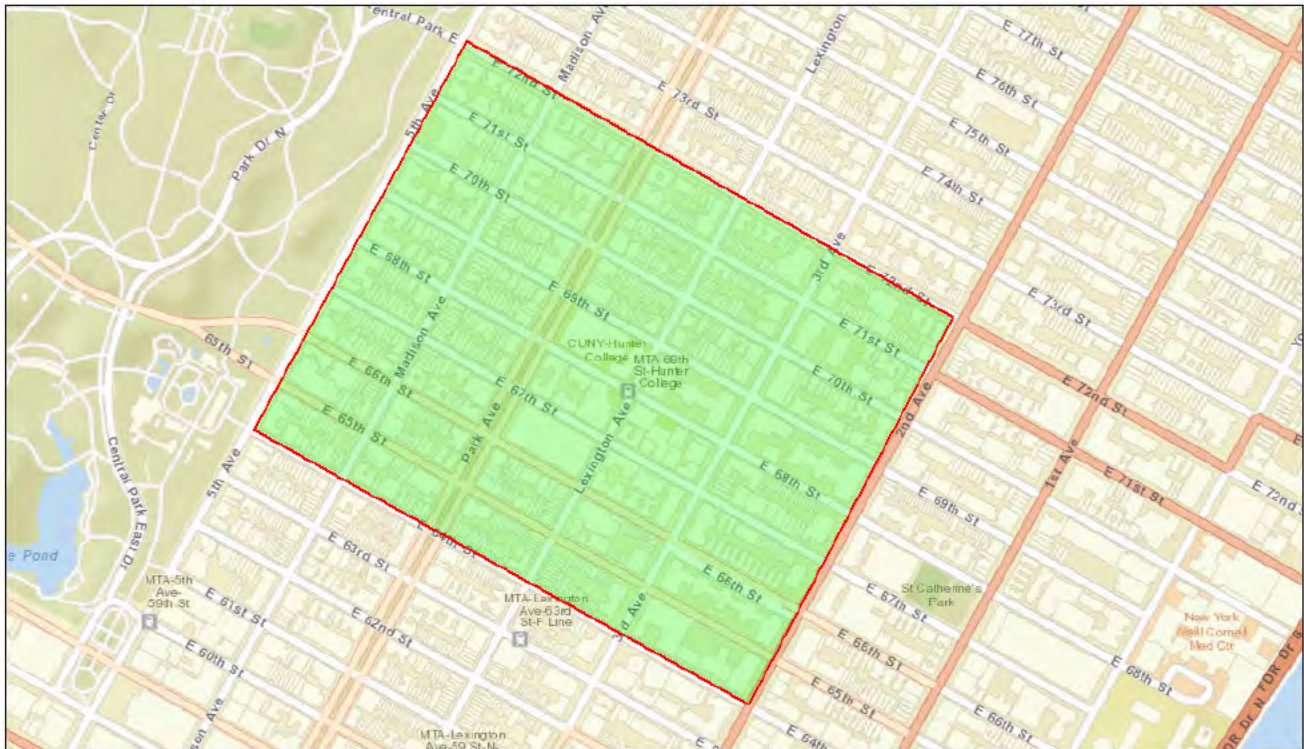
# EJSCREEN Report




for the User Specified Area, NEW YORK, EPA Region 2

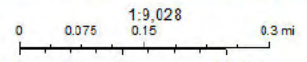
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68th Street Subway Improvements Project



October 23, 2015

 Digitized Polygon



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), Swire, © OpenStreetMap contributors, and the GIS User Community

## EJSCREEN Report



for the User Specified Area, **NEW YORK, EPA Region 2**

Approximate Population: 17149

68th Street Subway Improvements Project

Selected Variables	Raw Data	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
<b>Environmental Indicators</b>							
Particulate Matter (PM 2.5 in $\mu\text{g}/\text{m}^3$ )	11.8	9.89	97	9.94	98	9.78	89
Ozone (ppb)	43.2	43.7	30	44.7	21	46.1	30
NATA Diesel PM ( $\mu\text{g}/\text{m}^3$ ) <sup>*</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATA Cancer Risk (lifetime risk per million) <sup>*</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATA Respiratory Hazard Index <sup>*</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NATA Neurological Hazard Index <sup>*</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Traffic Proximity and Volume (daily traffic count/distance to road)	180	180	78	160	79	110	85
Lead Paint Indicator (% Pre-1960 Housing)	0.54	0.58	42	0.53	47	0.3	77
NPL Proximity (site count/km distance)	0.16	0.14	76	0.19	69	0.096	87
RMP Proximity (facility count/km distance)	0.081	0.16	40	0.18	39	0.31	27
TSDF Proximity (facility count/km distance)	0.059	0.035	88	0.058	81	0.054	77
Water Discharger Proximity (facility count/km distance)	1.7	0.39	95	0.36	96	0.25	98
<b>Demographic Indicators</b>							
Demographic Index	11%	37%	14	35%	15	35%	10
Minority Population	13%	42%	31	41%	28	36%	31
Low Income Population	9%	32%	14	29%	18	34%	10
Linguistically Isolated Population	2%	8%	43	8%	42	5%	55
Population With Less Than High School Education	3%	15%	12	14%	13	14%	13
Population Under 5 years of age	6%	6%	59	6%	59	7%	53
Population over 64 years of age	29%	14%	95	14%	95	13%	95

\* The National-scale Air Toxics Assessment (NATA) environmental indicators and EJ indexes, which include cancer risk, respiratory hazard, neurodevelopment hazard, and diesel particulate matter will be added into EJSCREEN during the first full public update after the soon-to-be-released 2011 dataset is made available. 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: <http://www.epa.gov/ttn/atw/natamain/index.html>.

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.