

## CAMP CADA PASO'S TREE REPORT 2022

One of the unique aspects of our camp was hosting our program completely outdoors. Our “homebase” was at Thomas Jefferson Park where the picnic tables were located on the 111th street side of the park. Rain or shine we held camp, and throughout our four weeks, one of our biggest priorities was to stay cool. While walking all throughout East Harlem, we noticed the lack of shade and began to wonder why there wasn't an abundance of trees like in other neighborhoods, such as the Upper East Side. When discussing air quality and water quality, we understood the vital role trees play in protecting and preserving a community. Trees provide shade which can combat the urban heat island effect when neighborhood blocks are severely dense with buildings and pavements that absorb heat causing an increase in air conditioning usage, air pollution, or triggering heat-related illnesses (i.e. heat stroke) and mortality. In addition, whenever heavy rainfall occurs, trees or bioswales, vegetated greenery, can absorb stormwater and runoff which minimizes the amount of sewage that ends up in the East River. We want to emphasize the validity of trees because East Harlem lacks the number of trees necessary to sustain life for our residents. The data and possible tree planting locations listed below further solidify the urgency of trees to combat the health and environmental disparities we experience.

### EAST HARLEM SOUTH: (96TH STREET-112TH STREET BET FDR DR TO 5TH AVE)

#### Neighborhood Statistics:

- 1,977 trees on map

#### Ecological Benefits:

- Stormwater intercepted: 1,994,811 gallons
- Energy conserved: 1,433,066 kWh
- Air pollutants: 2,648 pounds
- CO2 reduction: 1,319,817 tons
- Total value of annual benefits: \$218,920.59

### EAST HARLEM NORTH: (109TH STREET - 140TH STREET BET FDR DR TO 5TH AVE)

#### Neighborhood Statistics:

- 2,558 on map

#### Ecological Benefits:

- Stormwater intercepted: 2,659,497 gallons
- Energy conserved: 1,908.147 kWh
- Air pollutants: 3,516 pounds
- CO2 reduction: 1,849,846 tons
- Total value of annual benefits: \$291,754.82

UPPER EAST SIDE- CARNEGIE HILL: (59TH ST- 96TH ST BET 3RD TO 5TH AVE)

Neighborhood Statistics:

- 4,053 trees on map

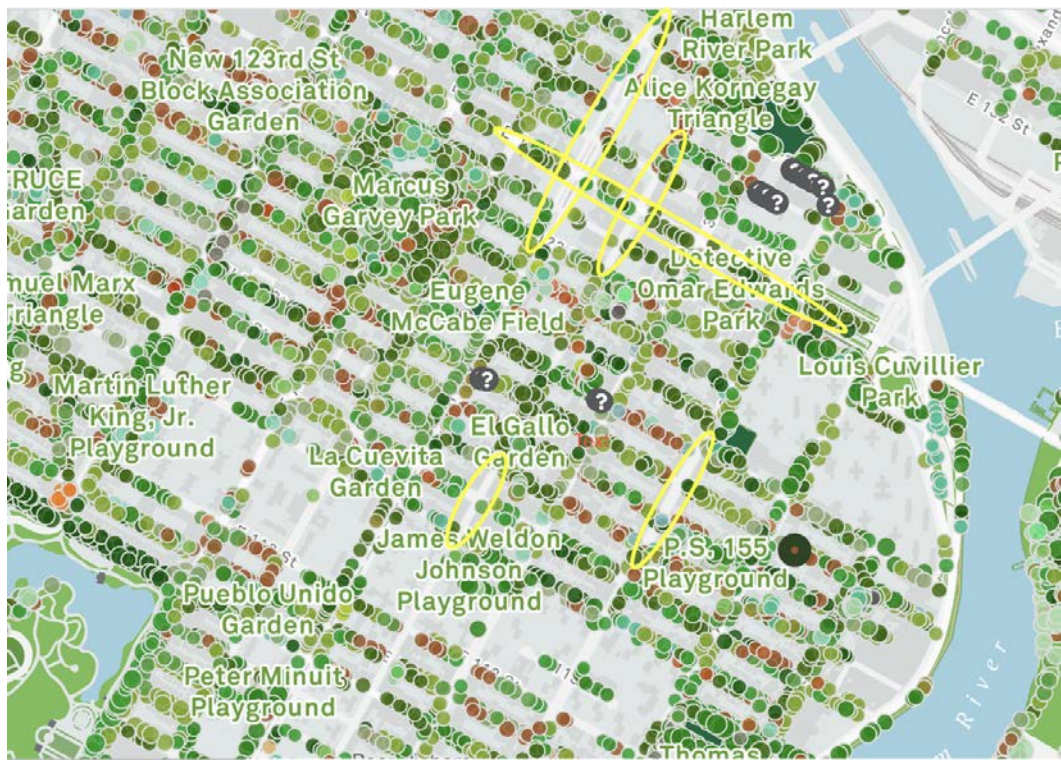
Ecological Benefits:

- Stormwater intercepted: 4,726,767 gallons
- Energy conserved: 3,301,479 kWh
- Air pollutants: 6,454 pounds
- CO2 reduction: 3,539,558 tons
- Total value of annual benefits: \$ 509,159.62

NEW TREE POTENTIAL: amount of space for more street trees in these neighborhoods

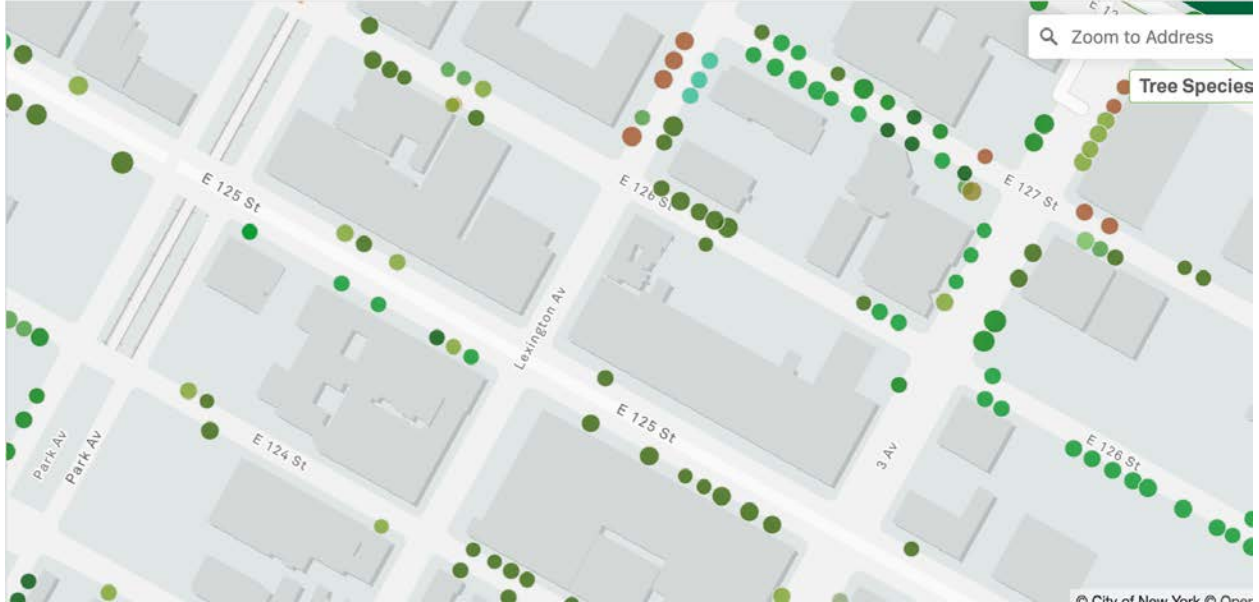
- East Harlem North- 649
- East Harlem South- 589
- Upper East Side- 315

Our Tree Recommendations:



We highlighted a few areas in East Harlem that are in dire need of trees. These arid spots are the following:

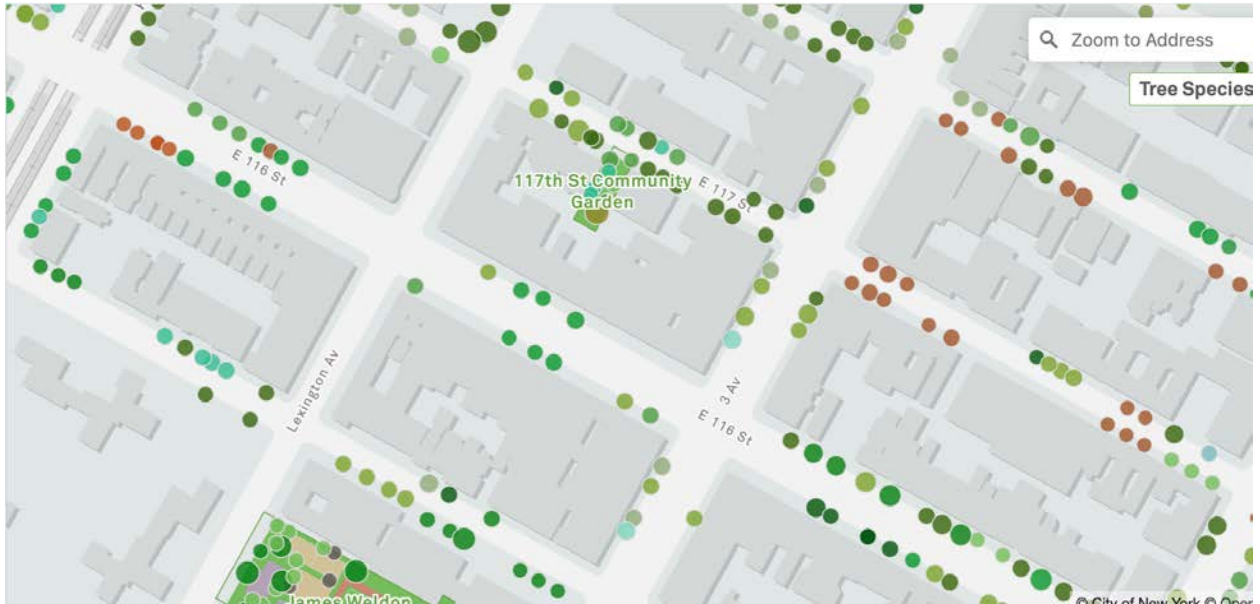
1. 125th Street along Lexington Avenue & Park Avenue:



2. 116th Street & Park Avenue: In front of Diana Ayla's office and along the Metro North Railroad train tracks on Park Ave, there's vacant space to plant trees to provide more tree coverage during the summer.





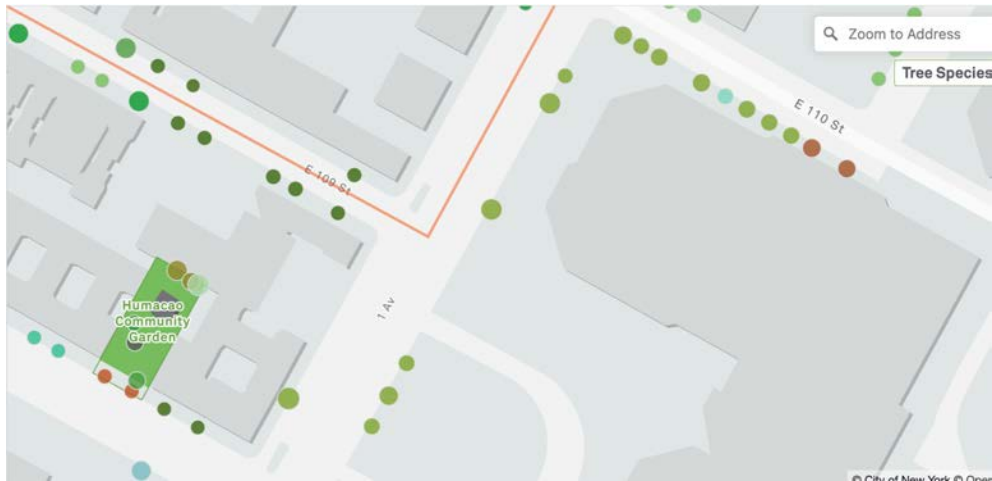


- 3. 106th Street & 3rd Avenue: Trees can be planted along the uptown route from 106th street and 3rd Ave. As well as, trees in front of the Ponce Bank on East 106th street





- 4. 109th Street & 1st Avenue: Walking through the long sidewalk connecting 109th Street to 110th Street, there is little to no tree coverage.



## WORK CITED:

1. <https://tree-map.nycgovparks.org/tree-map>