new york city tree census

NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

2//lines

this map illustrates the locatoin of tress in manhattan. from the tree census. the classification has been made between damaged and non-damaged trees. it's been classified as lines because the trees are almost exclusively lining the streets.

Damaged

No Damage

0 0.5 1 2 Miles

NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

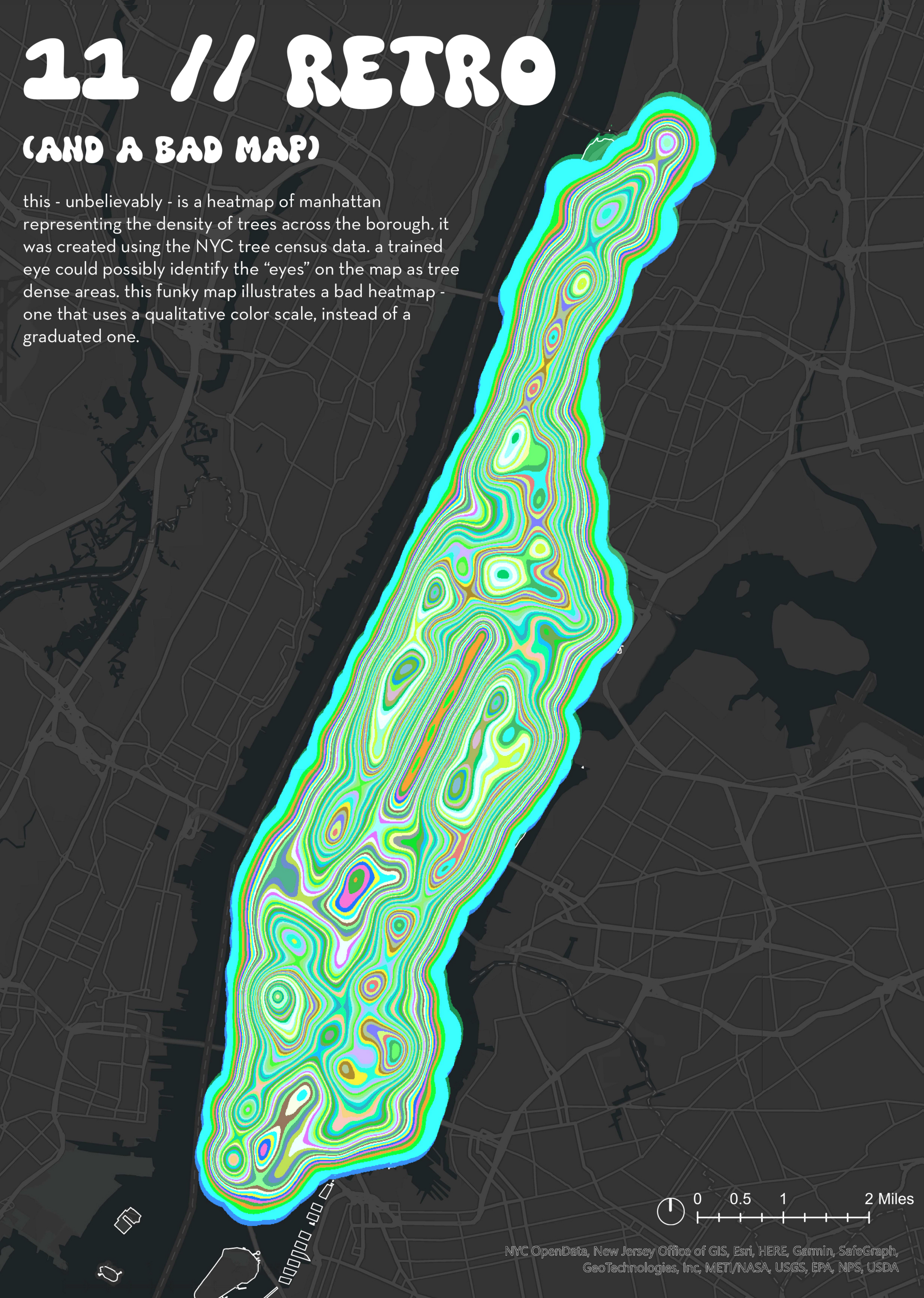
9//hexagons

this map takes a more granular look at the disribution of trees across the city. the best performing areas are east and west of central park, which corresponds to the upper east side and upper west side.

11 // RETRO

(AND A BAD MAP)

this - unbelievably - is a heatmap of manhattan representing the density of trees across the borough. it was created using the NYC tree census data. a trained eye could possibly identify the “eyes” on the map as tree dense areas. this funky map illustrates a bad heatmap - one that uses a qualitative color scale, instead of a graduated one.



13//choropleth

this map of manhattan was created by joning data from the treee census to zillow data regarding manhattan neighborhoods. central harlem south, upper east side, and lincoln square were the best performing neighborhoods.

Trees Count by Neighborhood

0.0 - 160
170 - 540
550 - 2100
2200 - 5100
5200 - 9200

0 0.5 1 2 Miles

NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

20//outdoors

this map illustrates the locations of greenstreets, a city program that transforms underutilized spaces into vibrant green oases throughout manhattan, enhancing the urban landscape while promoting environmental sustainability and community well-being. it has been a successful initiative in creating pockets of greenery amidst the city's concrete jungle.

0 0.5 1 2 Miles

NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

21//raster

this map illustrates the tree canopy gain (2010 - 2017) derived from LiDAR data. the dataset represents all tree polygons that were classed as gain, indicating that this portion of the canopy has increased during the time period. the most substantial gain has been observed in central park and northern manhattan, in inwood hill park.

0 0.5 1 2 Miles

NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

24//black and white

this map illustrates the trees planted by volunteers across manhattan. the symbols are proportional to the diameter of the tree trunks at their widest points.

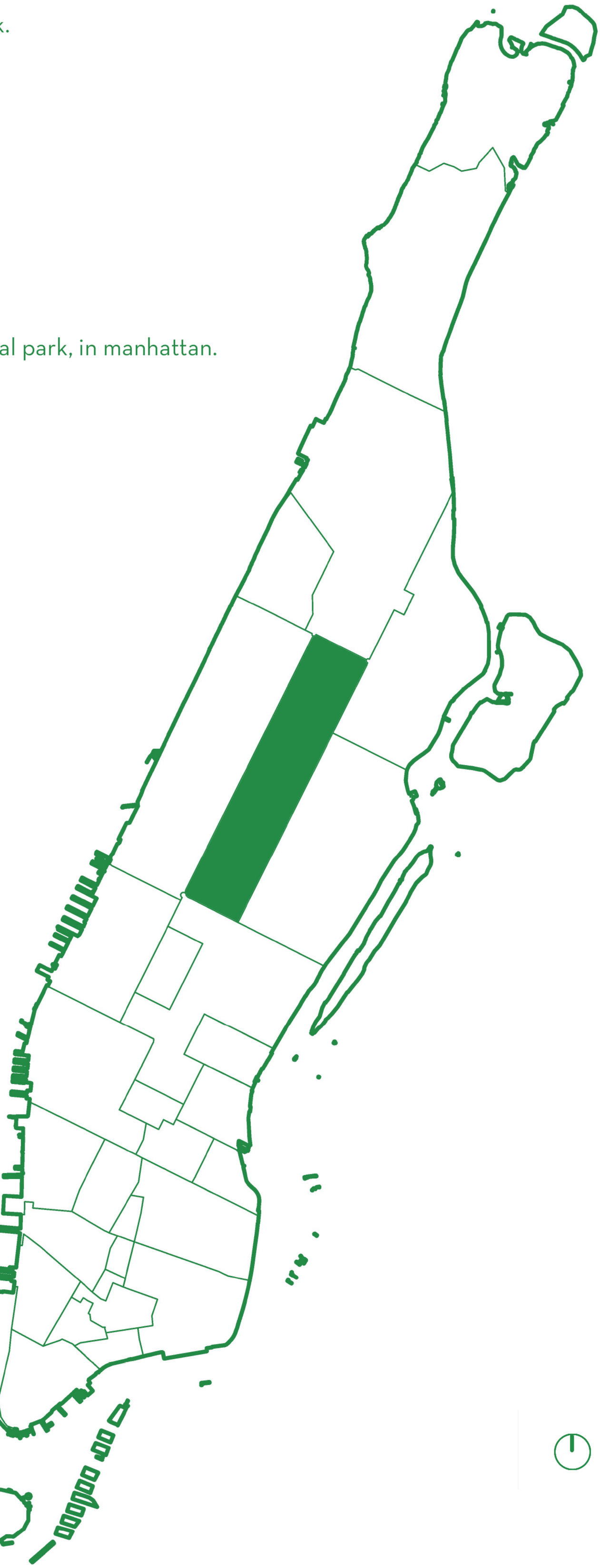
0 0.5 1 2 Miles

NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

25//minimal

18,000 trees in central park.

56,000 trees outside central park, in manhattan.



27//dot

hangman's elm, manhattan’s oldest tree, believed to be over 330 years old, earned its ominous name due to its association with public executions in the 18th and 19th centuries. it is located in in new york city's washington square park.