

Team: Proagnic, Username: Justin Chen, School: Jericho High School



# QUEENS

"My childhood memories"

Greenest

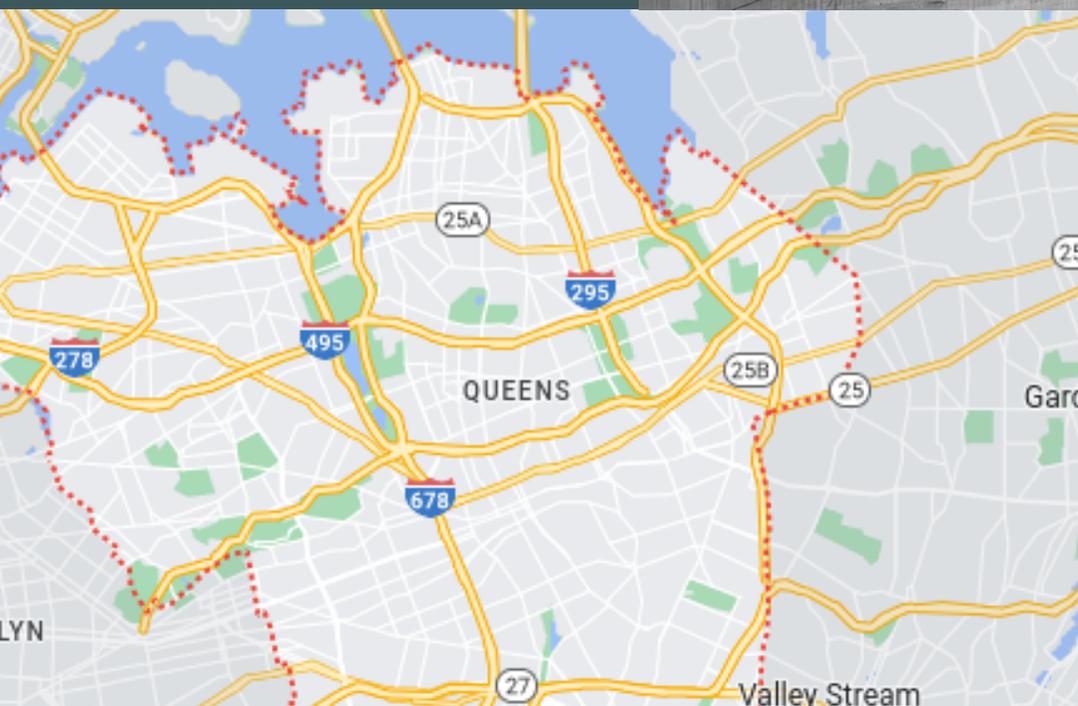


# History lesson!

Queens is a borough of **New York City**, established in 1642. It was occupied by the Dutch, the English, and now us. It is situated along Long Island and is the **largest** borough of the 5 boroughs of NYC.

**Fun Fact:** Queens was named after the real queen of England at the time

Photo of Queens  
In late 1900s: As  
you can see, not a  
lot of trees



Map of modern day Queens:  
You might see how lots of  
areas are in green, which  
means Queens has dedicated  
bits of land to parks.

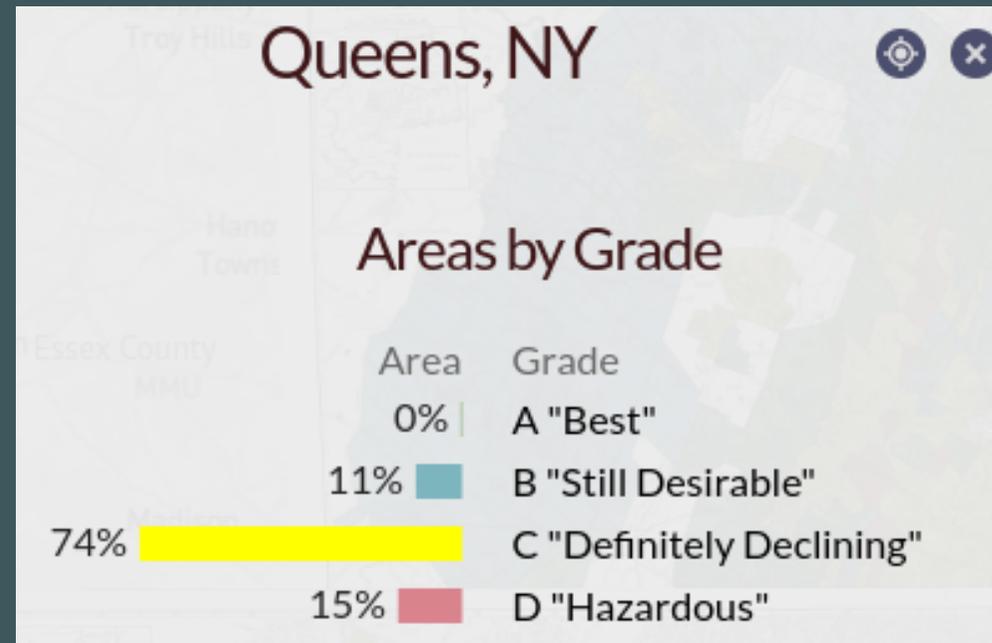
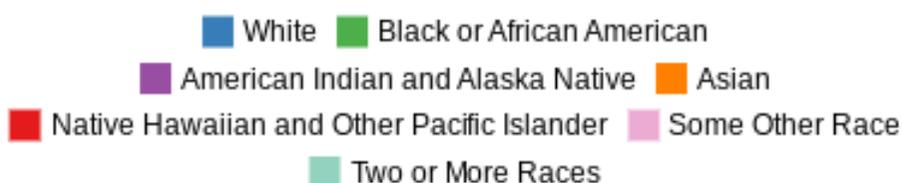
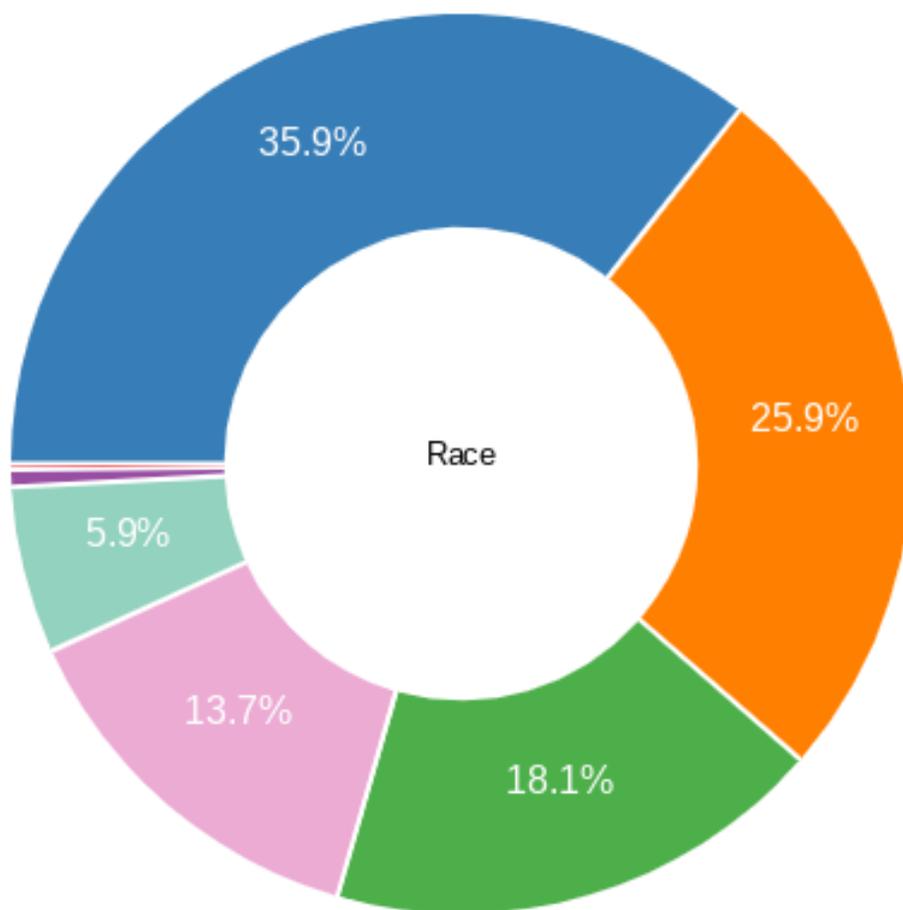
# Demographics:

## Demographics

1,297,634	Total Population (1940)
76.6%	Native-born white
21.3%	Foreign-born white
2%	African American

## Then:

Queens used to be mainly white because of huge redlining. This resulted in discrimination and protests.



1940

## Now:

Queens now has a much more diverse population. In 2022, although whites are the leading number, other populations are following right behind, leading to more outreach and representation.

# Personal Connection

I lived in Flushing, Queens for almost my entire childhood. By the time I lived it it, it was very diverse and not really redlined. There were many parks that I went to regularly like Kissena Park, Flushing Corona Park, and the Botanical Garden. I absolutely loved it because of everything there was to do. Looking back, I realize that in those crowded areas near the library, there wasn't a lot of nature. I feel like near such public and esteemed places, there should be lots of nature in order to encourage nature in regular places and be a model for other places of the city.





# Street Tree Density

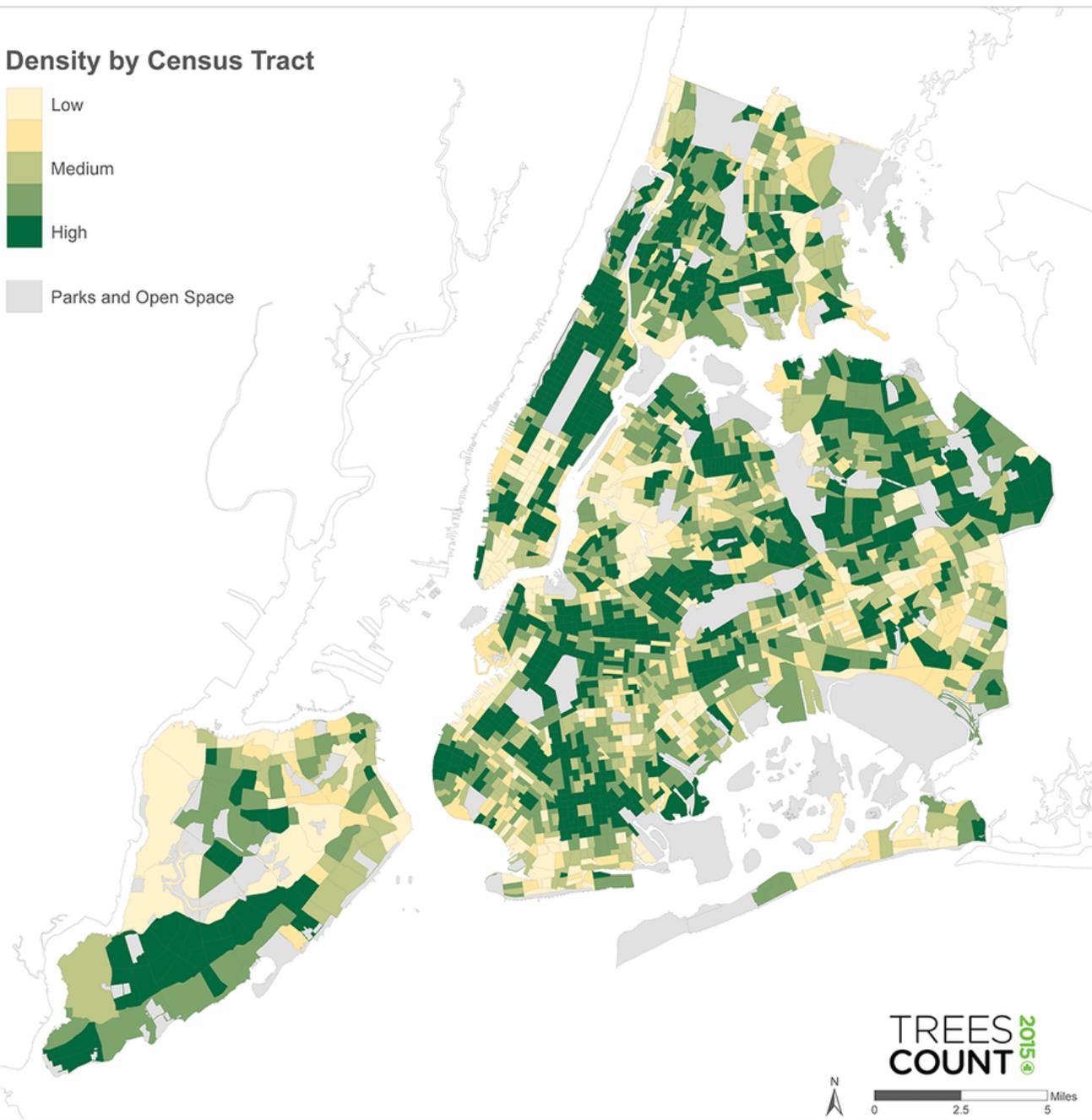
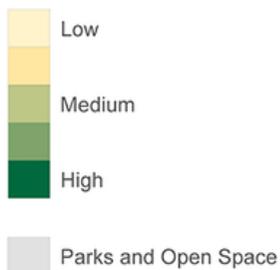
NYC Parks

### How to Read This Map

Each borough on this map is divided by census tracts, a geographic division used by the U.S. Census containing 1,200 - 8,000 people. The tracts are shaded based on the tree density calculated using data collected in the 2015-2016 Trees Count! Street Tree Census.

What does this mean? Street tree density is a measure of the number of trees per foot along NYC streets. Areas with low street tree density are more likely to have significant potential for new tree planting.

### Density by Census Tract



# Queens Climate:

**Rain:** 46 inches / year

**Temp:** 18 degrees C

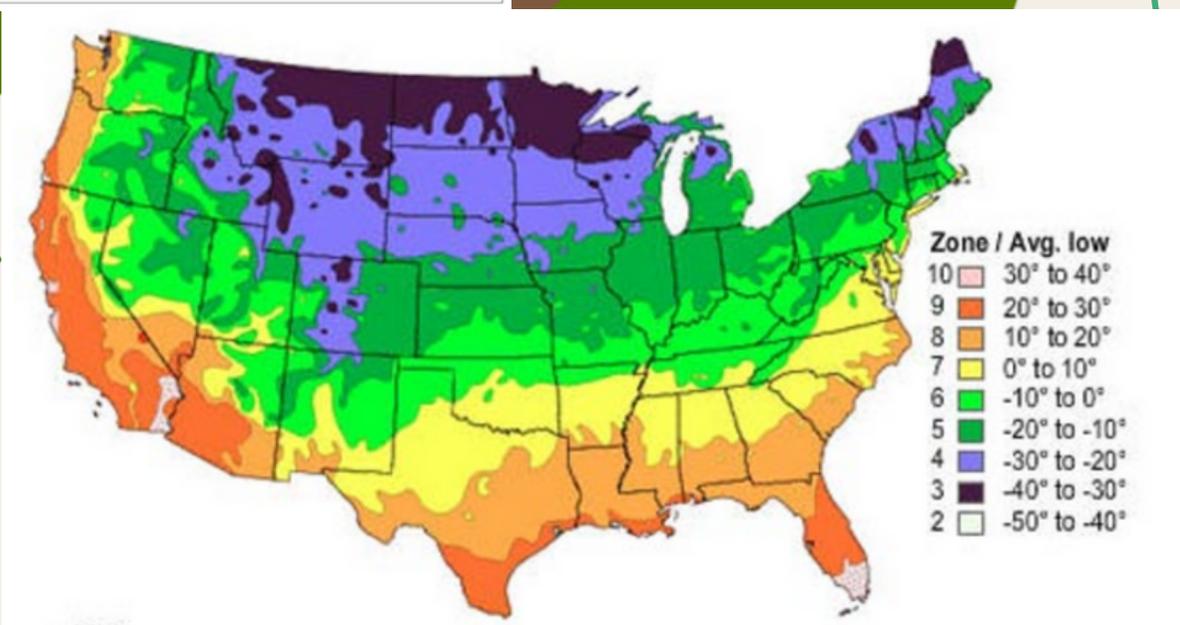
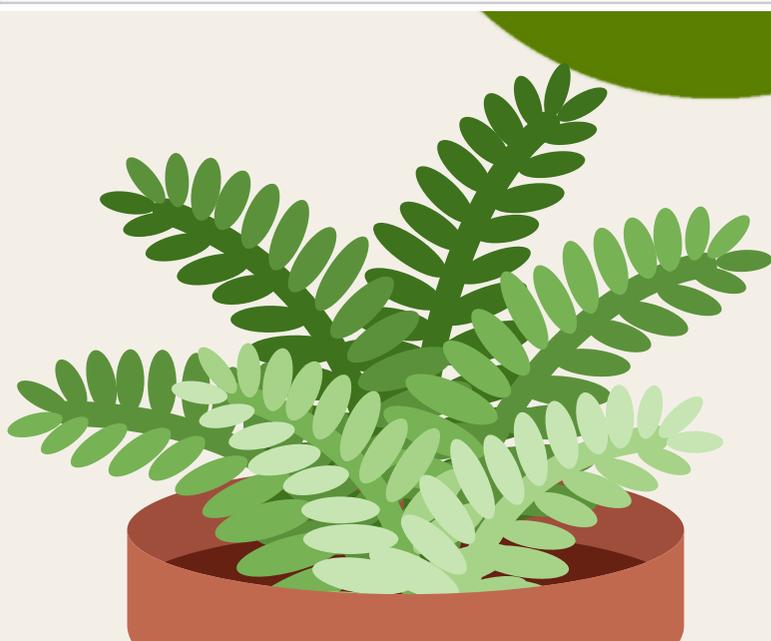
**200 hr** sunshine / m

**60 %** humidity

**5 mph** wind

**Level 7** hardiness

These conditions are really good for growing trees, flowers, and plants!



# Which Trees?

## Oak Tree

- Fast growing
- Can provide shade very quickly
- Low Maintenance: uses any type of soil, pollution, and temperatures.
- Live Long: 400 year average lifespan
- CO2 User: Takes in 10 pounds of CO2 per year
- Add lots of nutrients to your soil and promotes wildlife.
- Beautiful Leaves!



## Maple Tree

- **Sturdy Tree:** Can withstand a wide temperature range, many diseases, and will probably not fall on your house.
- Fast growing
- Can provide shade very quickly
- Live Long: 100 year average lifespan
- Add lots of nutrients to your soil and promotes wildlife.
- 22 pounds CO2 / year
- Beautiful Leaves!



# Benefits

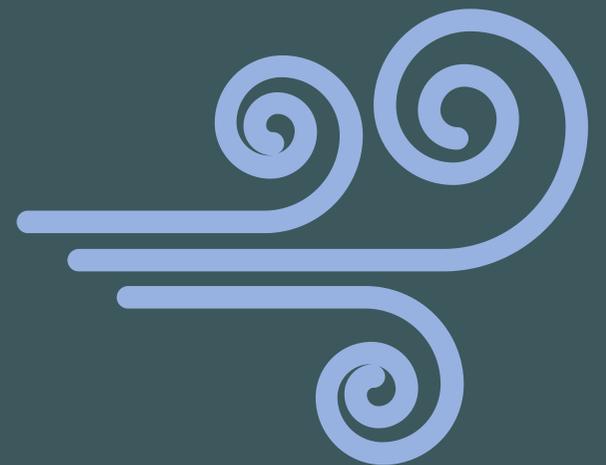
## Increase in **HOUSE** value!

It has been statistically proven that the more nature and trees around a home (not even part of it), increases the home value by up to **8 PERCENT!!! PLANT TREES!!!**



## Better Air Quality!

The more you walk around in nature or live around trees, the better your **Air Quality** will be! Trees turn  $\text{CO}_2$  into  $\text{O}_2$ , which is essential for human life. Also, better air quality means better house value, so... XD



# Plan:

Get local government to start and fund initiative that makes fun events to invite parents and those interested to come and learn about trees, their effect. At these congregations, there can be fun tree events for kids and distribution of different tree seeds and instructions to plant them! In busy city areas, I will research several places (like near the library and malls) where the government can propose to start small with nature boxes, then up to real trees.



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We need more trees!!! It improves our lives in so many ways like improving our mood, our air quality, and... our home prices! That's right - when you have more nature around your house, it is statistically shown to increase house value. In public places such as libraries, there should be many trees to show the importance of nature in such an esteemed and grand place. Through this and other plans in the slideshow, we can set a good example and promote the benefits of growing nature. Go team earth!

32s



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GO TEAM  
TREES!