

Manhattan's Urban Forestry Report, 2015

A Comprehensive Analysis of
Tree Population and Species to
Guide Planting Recommendation

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Content *overview*

Tree Population 

Species Diversity 

Species Ranking 

64,229

Count of trees (Population Size)

28

Count of NTAs with tree data

Distribution of Manhattan Trees



Tree Population

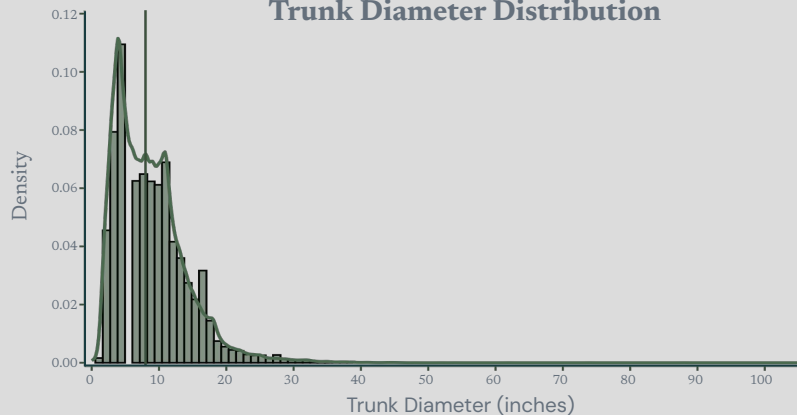
8.0 in

Median trunk diameter at breast height (DBH)

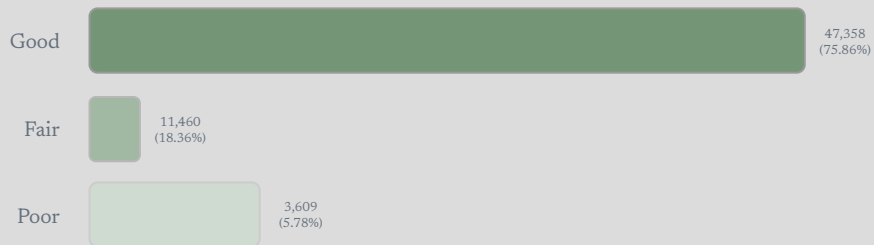
87.5%

Overall Health Index (HI)

Trunk Diameter Distribution



Health Status Distribution



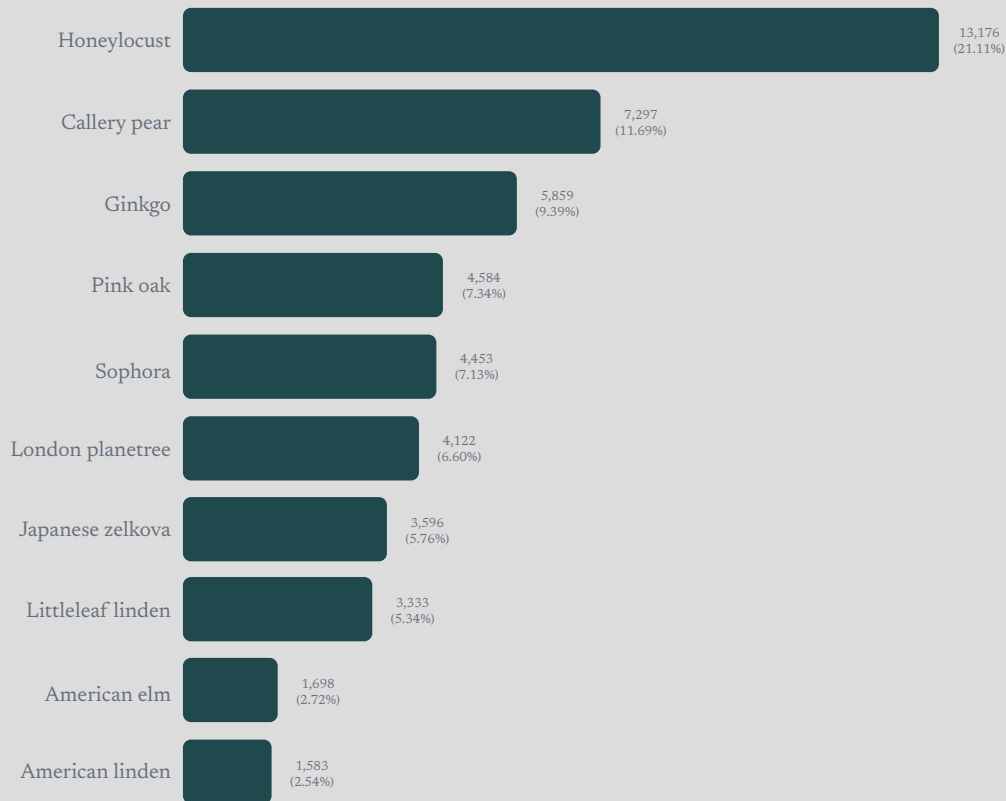
62,428

Count of trees with identified common names

128

Count of unique species (Richness)

Top 10 Most Abundant Species



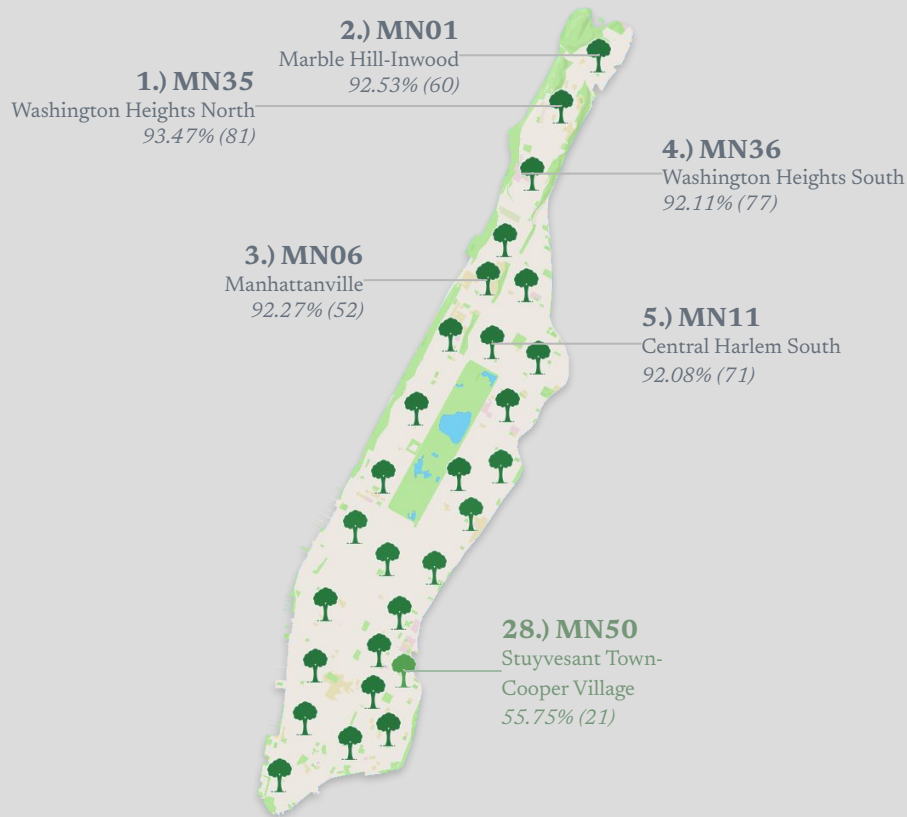
90.9%

Overall Simpson's Diversity Index (SDI)

128

Count of unique species (Richness)

Biodiversity by Neighborhood



MANHATTAN'S URBAN FORESTRY REPORT, 2015

A Borough-Wide and Neighborhood-Level Analysis of Tree Population and Species

Top N Species

Rank Species with Abundance > 29, by Size & ...

- 1 **Siberian elm**
- 2 Willow oak
- 3 Honeylocust
- 4 Pin oak
- 5 American elm
- 6 Tree of heaven
- 6 White ash
- 8 Black locust
- 9 Black walnut
- 10 Sophora
- 11 Golden raintree
- 12 Sawtooth oak
- 13 Schumard's oak
- 14 Crab apple
- 15 Kentucky coffeetree
- 16 Green ash
- 17 Hawthorn
- 18 Chinese elm
- 19 Japanese zelkova
- 19 Shingle oak

Type N: 20

Median Trunk DBH
(inches)

11.0

Health Index
(HI)

93.2%

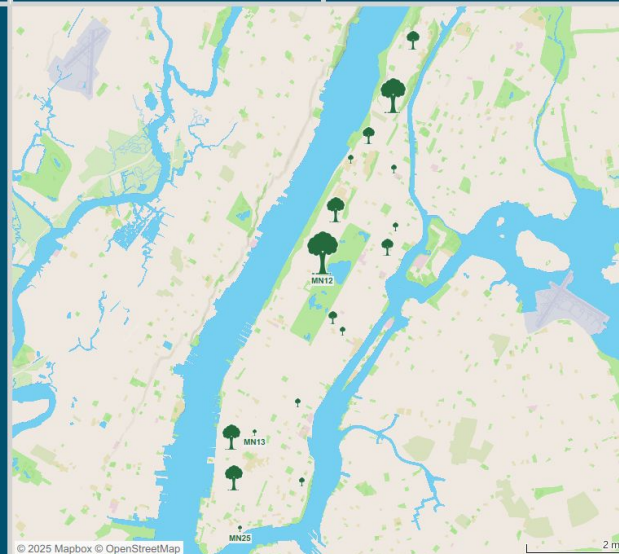
Tree Count
(Abundance)

156

Species Count
(Richness)

1

Species Performance Plot
(Trunk Size vs. Health Index)



LOCATION

High Area
Low Tree Count
Highly Similar Species

SPECIES

Average/High Abundance
Typically Large and
Healthy