### FoRests Among Managed Ecosystems of the Megalopolis





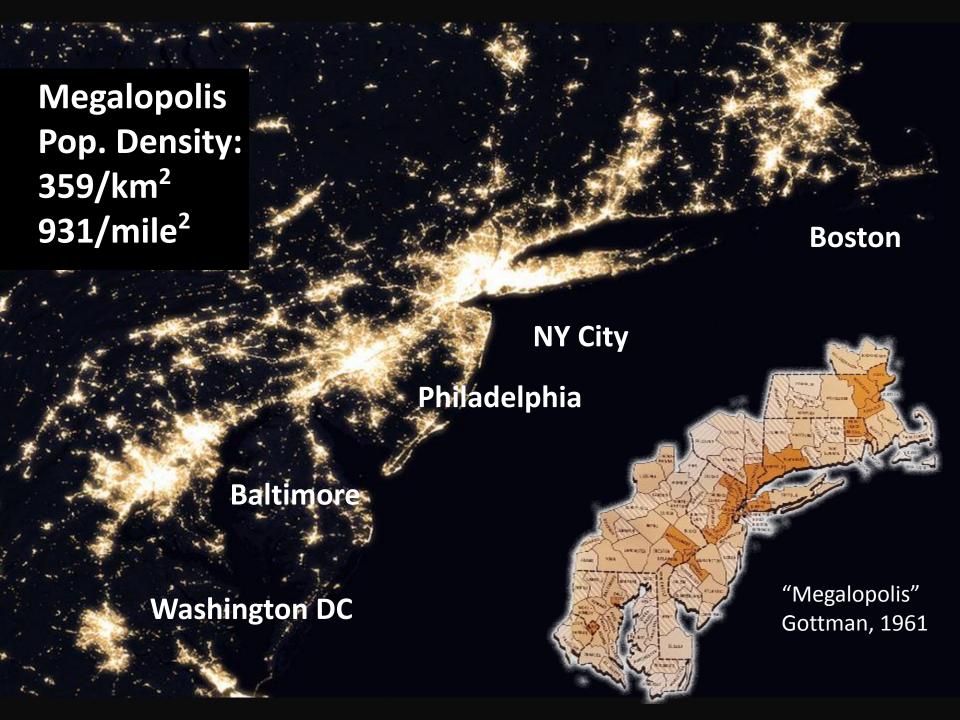
Vince D'Amico: US Forest Service, NRS-08

Tara Trammell: U. of DE Plant & Soil Science

Greg Shriver & Zach Ladin: U. of Delaware E&WE

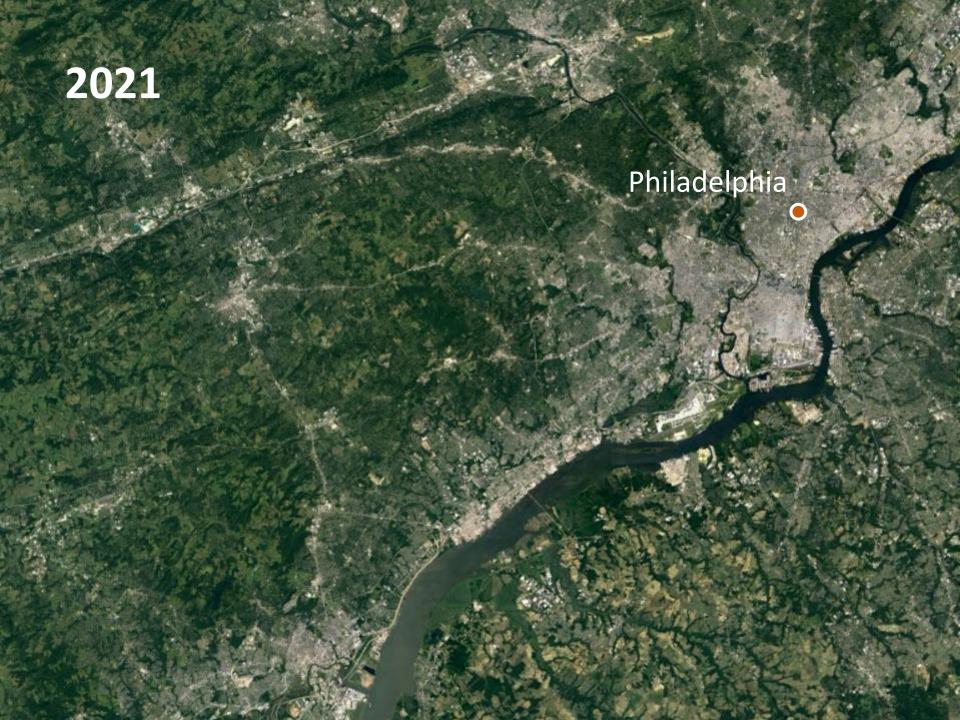
Steve Frank: NC State University, Raleigh

Jason Henning: Davey Institute, Phila. PA



# A Brief History of Forests in the Megalopolis



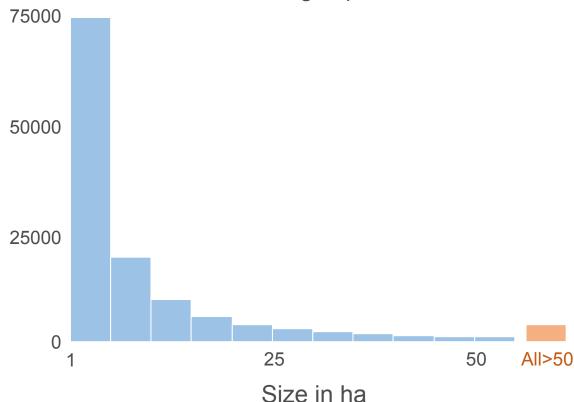






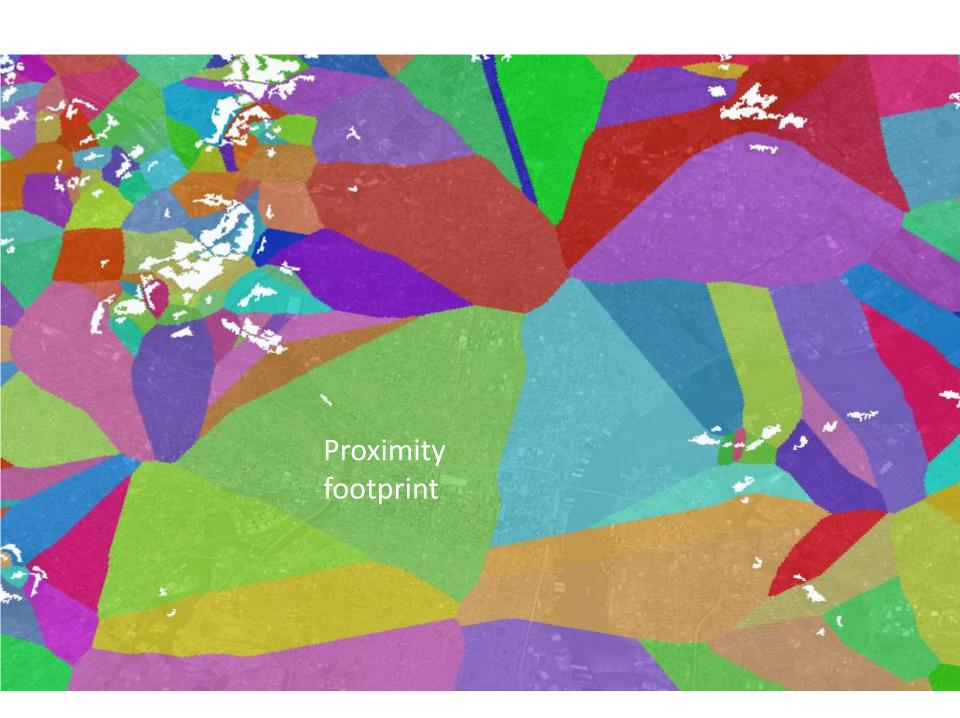
## Most temperate deciduous forests are under 20 ha: this is true worldwide.



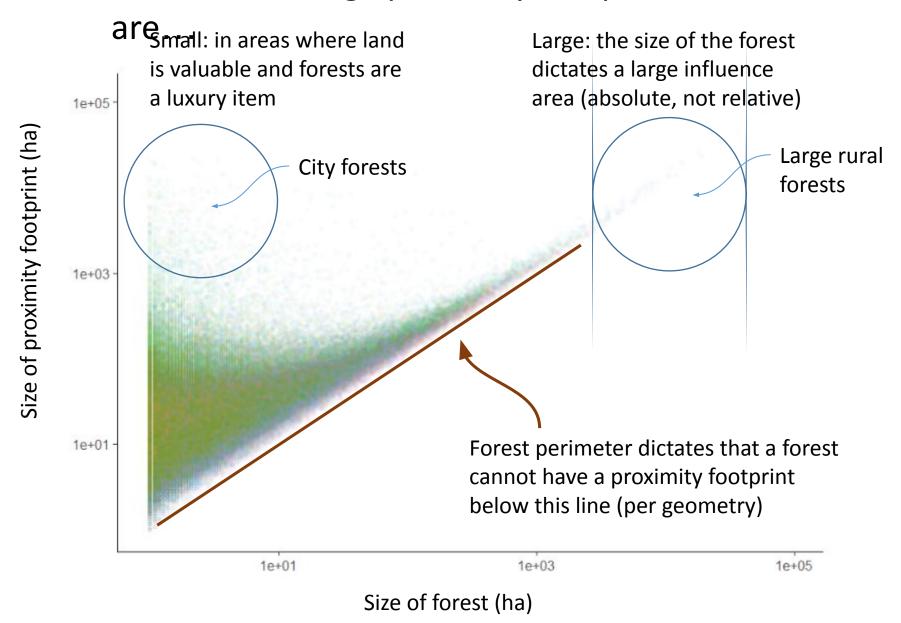


## Which forest is "my forest"?

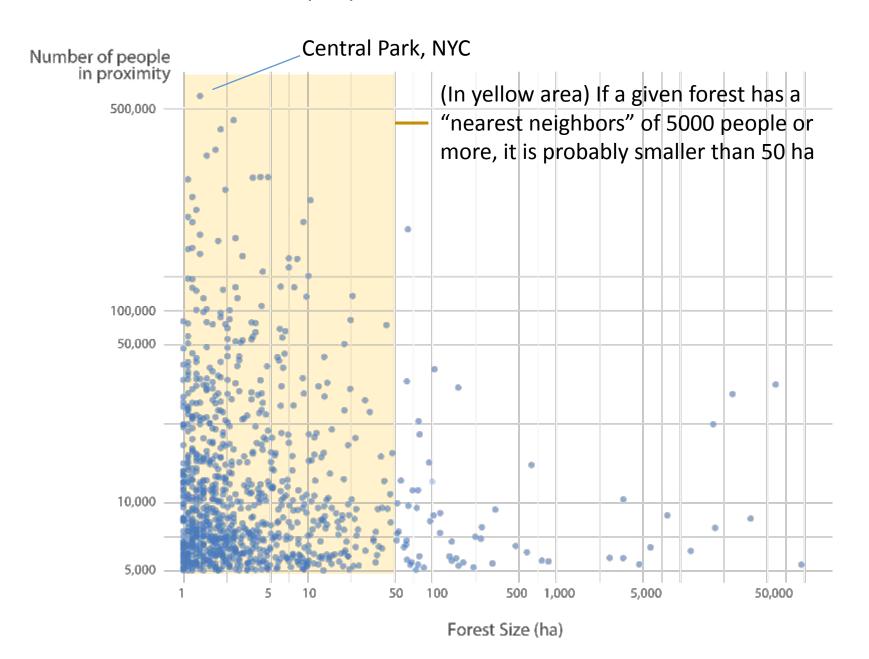




### Forests with large proximity footprints

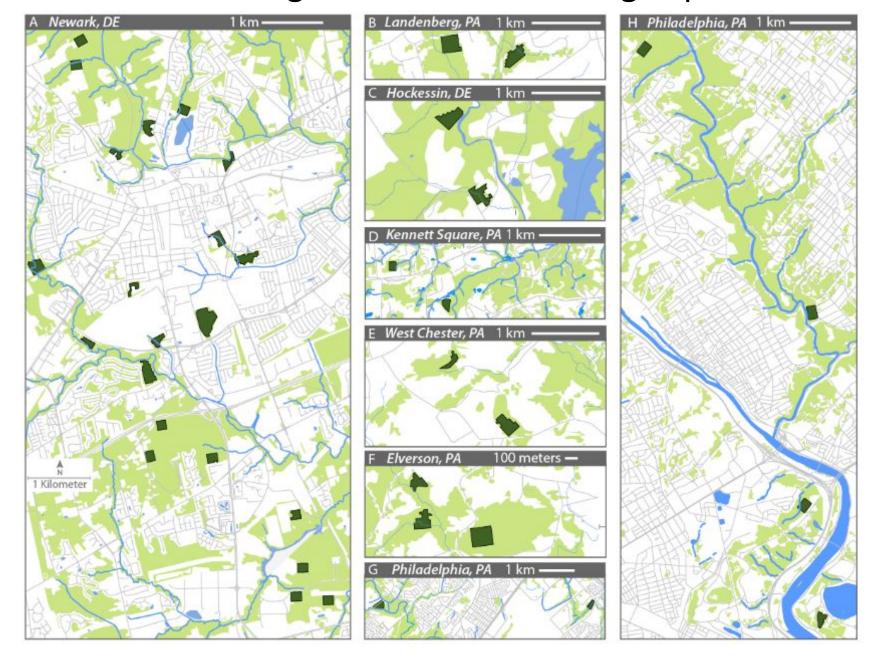


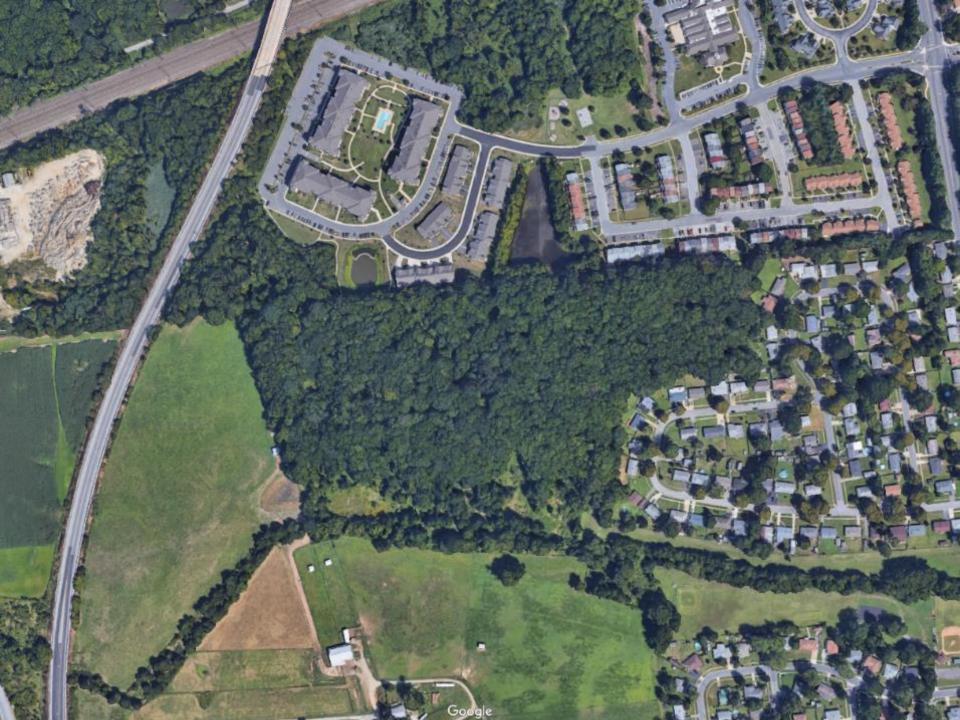
#### Most people live near small forests



# Creating the FRAME network

### FRAME long-term sites in the Megalopolis

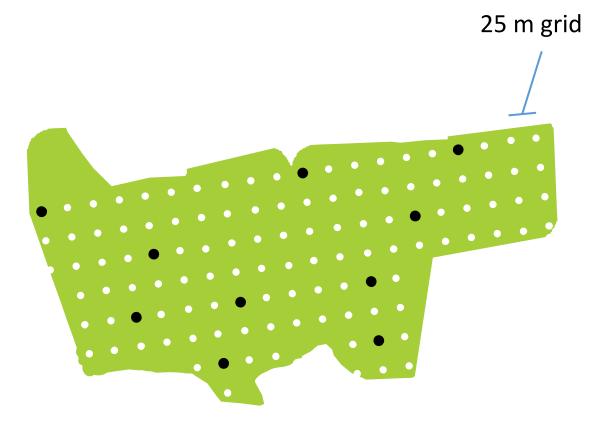






WEBB FARM: 8.73 ha

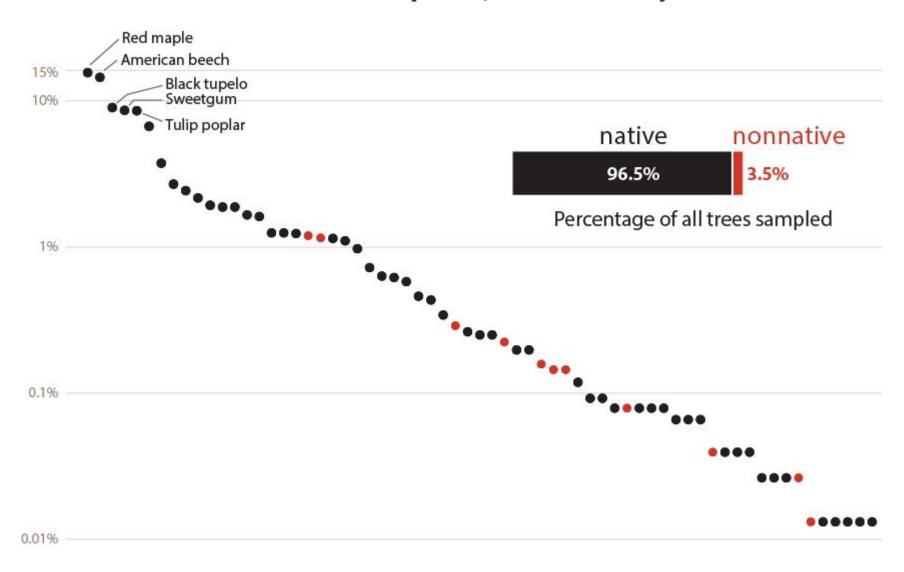
perimeter:area = 0.026791



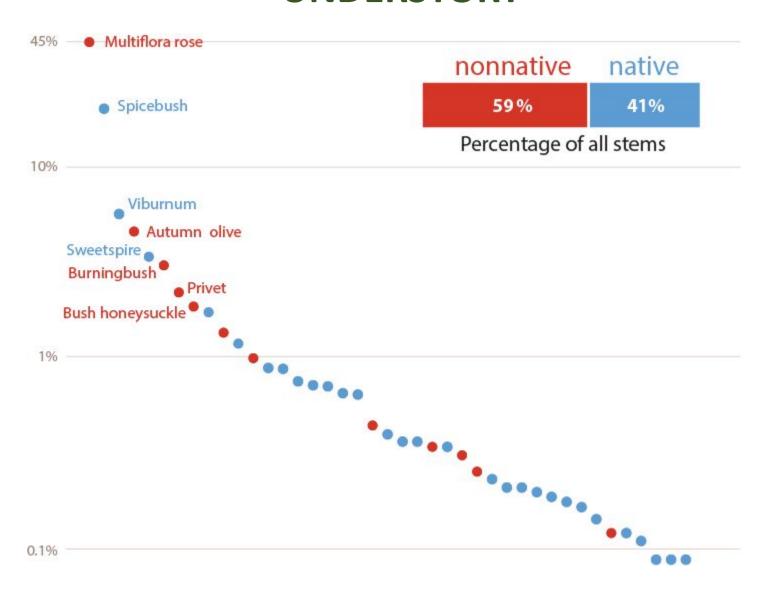


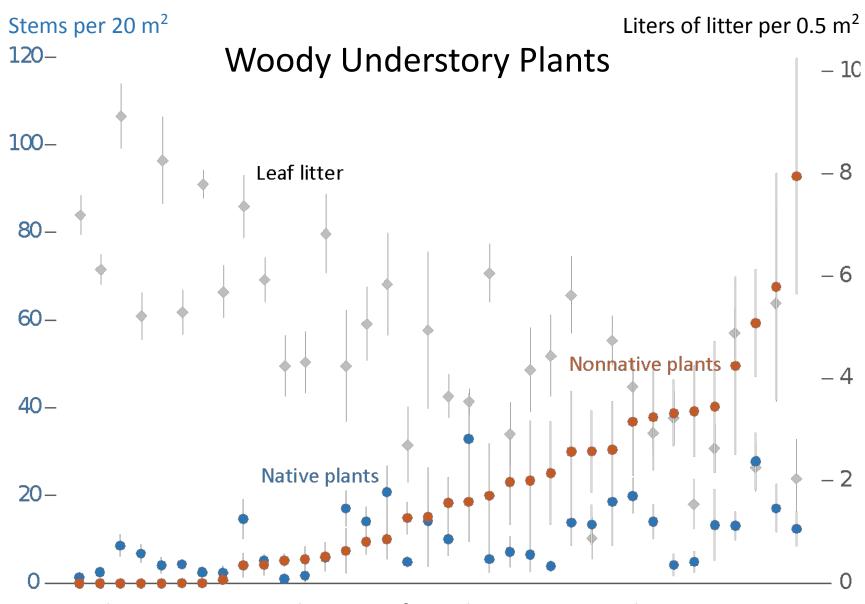
## Base Layer Results from US FRAME Sites

## **CANOPY (~10,000 trees)**



#### **UNDERSTORY**





Each point represents the mean of sample points in a single FRAME site (n = 10-20 sample points depending on area of FRAME site)

Sites that are close to each other have very different histories and ages

