

# GREEN-WOOD'S FUTURE TAKES (bare)ROOT

Sara Evans  
Senior Manager and Curator of the Living Collections  
[sevans@green-wood.com](mailto:sevans@green-wood.com)



# GREEN-WOOD OVERVIEW



- Active Cemetery
- Over 200 public and education programs that reach over 15,000 people and students
- National Historic Landmark (2006)
  - 478 acres
  - Over 31 miles of paths and roads
  - Four entrances open to the public all year
- ArbNet Level III Arboretum (2018)
  - 8,360 trees in the collection
  - 823 unique species and cultivars
  - Tree Finder [www.green-wood.com/trees](http://www.green-wood.com/trees)
  - The collection supports forestry research and conservation



# PROJECTED TREE LOSS

Tree canopy cover was  
measured at 35% in  
2016

33.2 % 2023

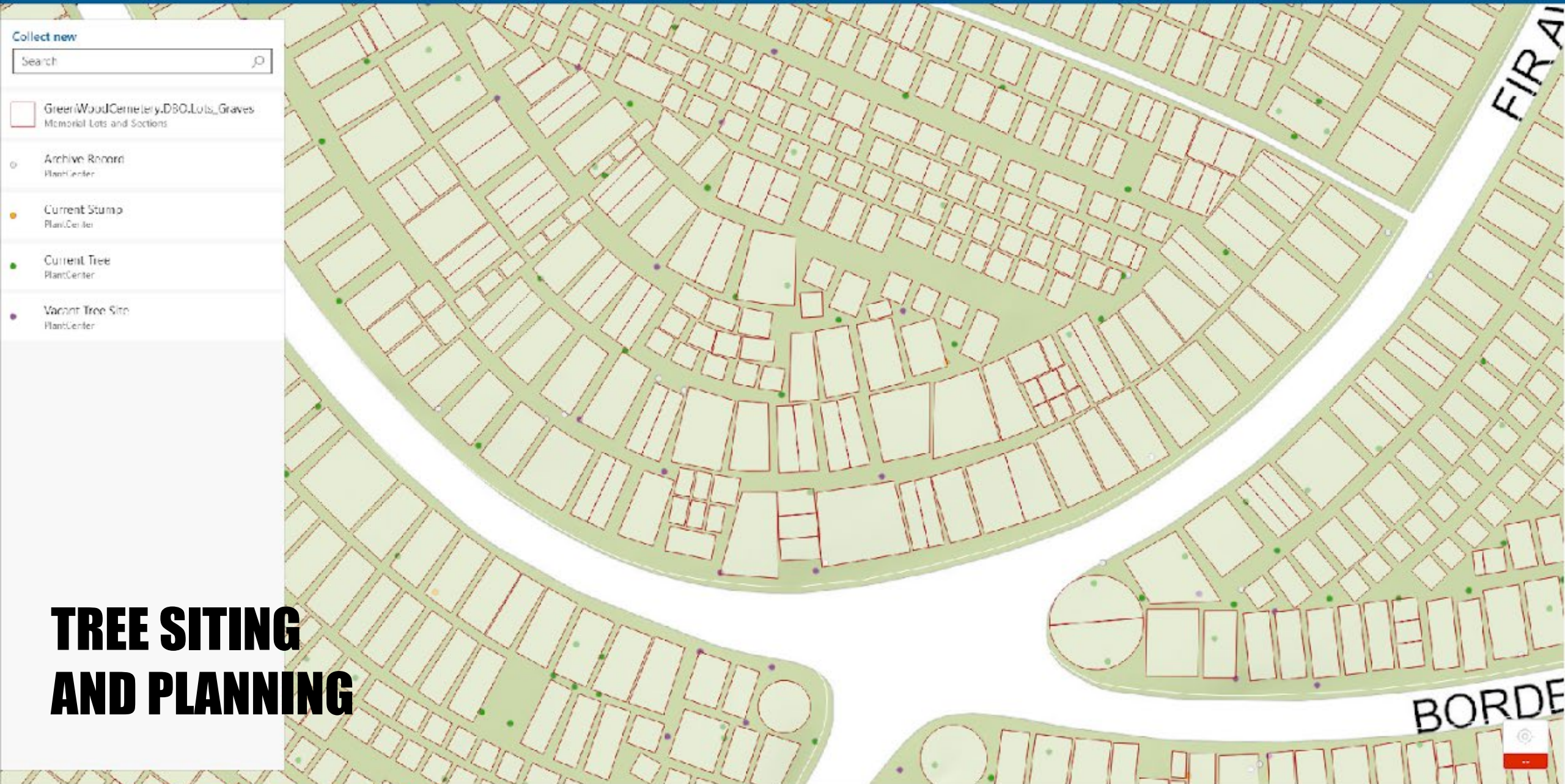
Since 2016:

- Over 3,000 trees and shrubs planted.
- Over 1,039 trees removed or felled by storms.












# TREE SITING AND PLANNING

# TREE PLANTING SPRING 2022 MAP A



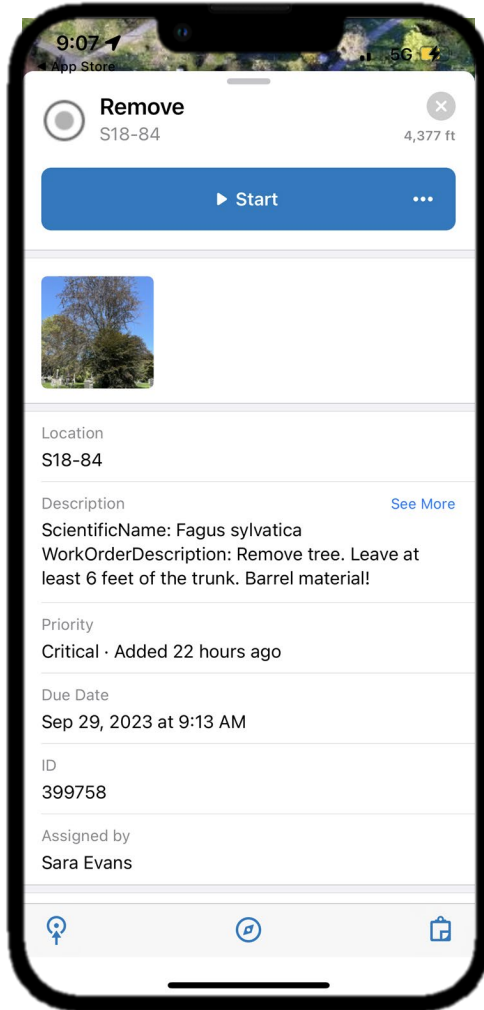
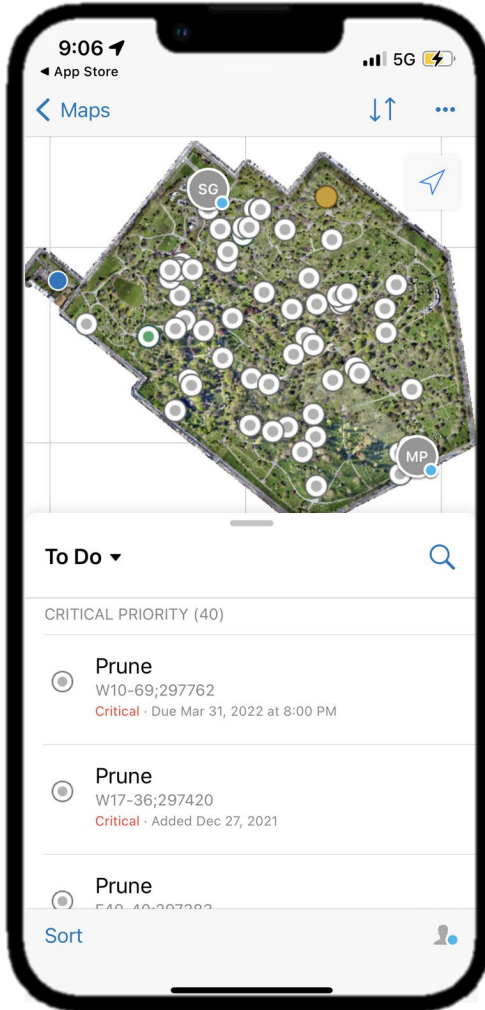
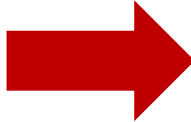
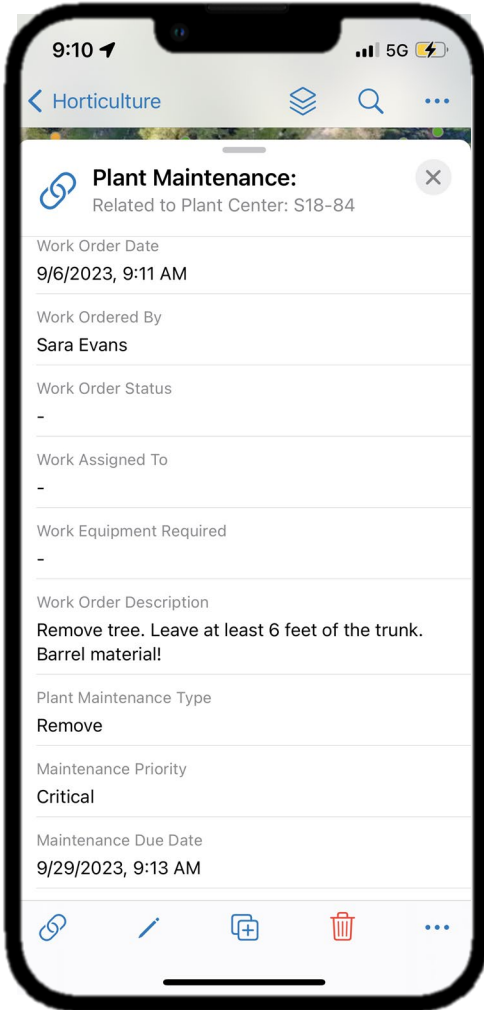
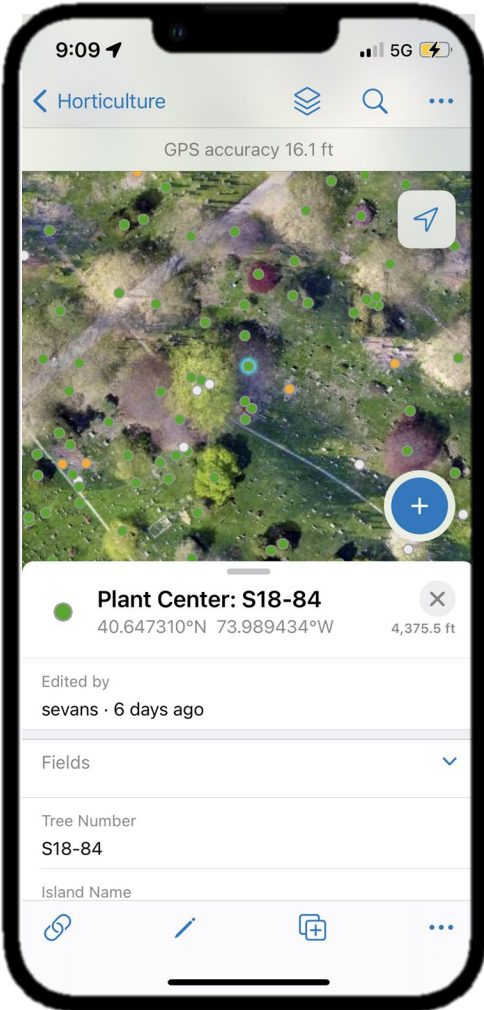
## LEGEND

-  New Planting
- Current Tree, Deciduous**
-  0.100000 - 10.500026
-  10.500027 - 27.000068
-  27.000069 - 100.000251
- Current Tree, Evergreen**
-  0.100000 - 10.500026
-  10.500027 - 27.000068
-  27.000069 - 100.000251
-  Spring 2022\_planting
-  Monument
-  Monument





# TREE MAINTENANCE TRACKING



# STAGING AREA



# STAGING AREA







30C

ALWAYS WEAR YOUR SEATBELT

Bobcat

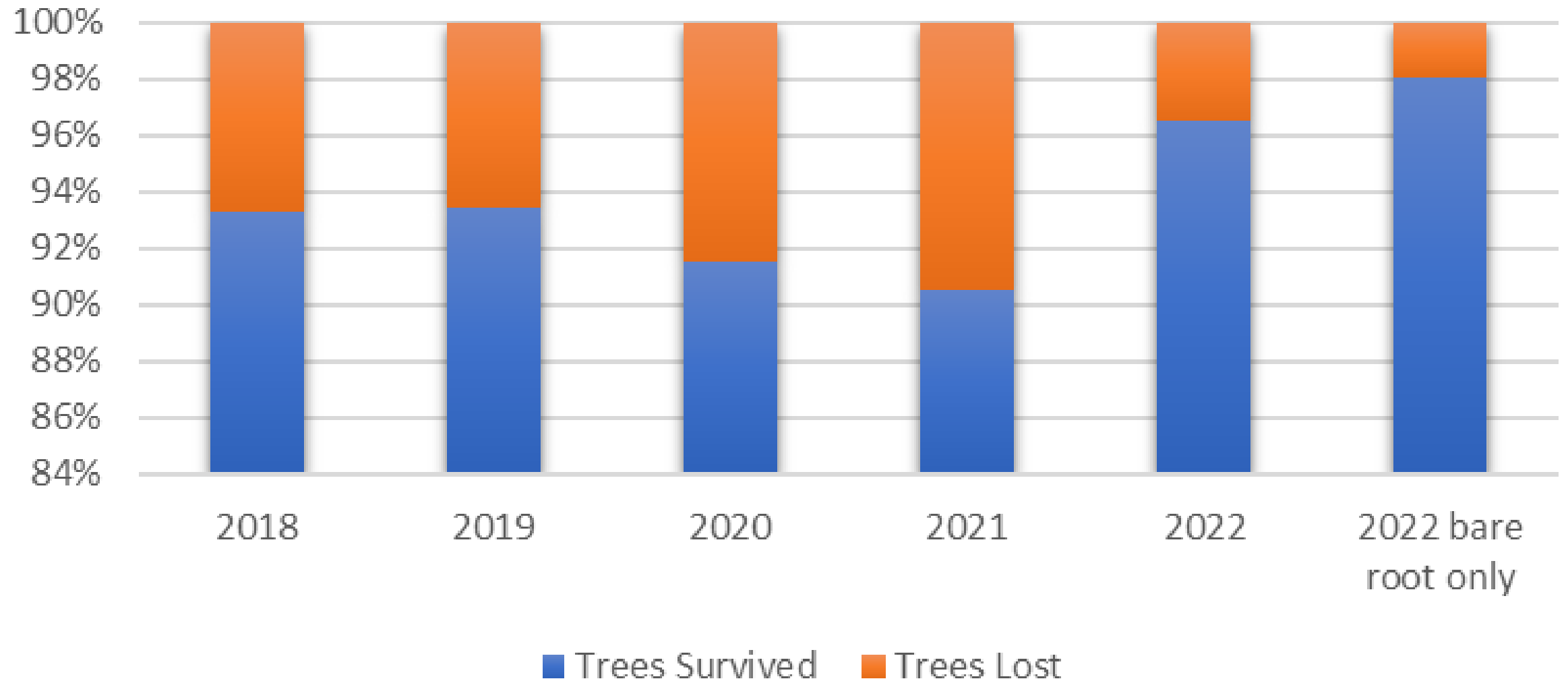
30



**TreeDiaper®**



# FIRST YEAR ESTABLISHMENT





# SPRING 2022 Planted

## EASY

Acer campestre  
Acer x freemanii  
Acer miyabei  
Acer platanoides  
Acer pseudoplatanus  
Acer rubrum  
**Acer saccharum**  
Acer truncatum  
Catalpa speciosa  
Cercidiphyllum japonicum  
**Cladrastis kentukea**  
Cornus mas  
Cornus foemina  
Fraxinus spp.  
Gleditsia triacanthos  
**Gymnocladus dioicus**

## MODERATE-DIFFICULT

Alnus glutinosa  
Amelanchier spp.  
**Betula spp. (Betula alleghaniensis)**  
Celtis occidentalis  
Cercis canadensis  
Corylus colurna  
Crataegus crus-galli inermis  
Crataegus viridis 'Winter King'  
Eucommia ulmoides  
Prunus subhirtella var. autumnalis  
Quercus robur  
Tilia tomentosa  
Zelkova serrata

Koelreuteria paniculata  
Maackia amurensis  
Malus spp.  
Parrotia persica  
Platanus x acerifolia  
Prunus 'Accolade'  
Prunus sargentii  
Prunus serrulata  
Prunus virginiana 'Canada Red'  
Pyrus calleryana  
Pyrus ussuriensis  
**Quercus bicolor**  
Quercus palustris  
Quercus rubra  
Robinia pseudoacacia cultivars:  
Black Locust 'Purple Robe', 'Pyramidalis',  
Globosum', 'Bessoniana', 'Twisty Baby'

Carpinus spp.  
Crataegus phaenopyrum  
Ginkgo biloba  
Liriodendron tulipifera  
Nyssa sylvatica  
Ostrya virginiana  
Quercus alba  
Quercus coccinea  
Quercus imbricaria  
Quercus macrocarpa  
Quercus muehlenbergii  
Quercus prinus  
Taxodium distichum  
Ulmus 'Frontier'  
Ulmus parvifolia

Sorbus alnifolia  
Sorbus intermedia / aria  
Syringa reticulata  
**Tilia americana**  
Tilia cordata  
Tilia euchlora  
**Ulmus americana ('St. Croix')**

- Aesculus flava
- Aesculus x 'Autumn Splendor'
- **Acer tegmentosum 'Joe Witt'**
- Acer saccharum 'Powder Keg'
- **Carya cordiformis**
- Cornus kousa 'Madi-II' Mandarin Jewel
- Corylus fargesii
- Crataegus punctata 'Ohio Pioneer'
- Halesia carolina
- Juglans cinerea
- Liquidambar stryaciflua cultivars  
'Worplesdon' and 'Inspid Gold'
- **Liriodendron tulipifera x chinense**
- Maclura pomifera 'Wichita'
- Quercus variabilis

*Betula alleghaniensis*



May 23, 2022



July 7, 2022

*Quercus bicolor*  
September 12, 2023



Image by Matthew Wills, iNaturalist.org

???



## FALL 2022 Planted

EASY

Acer campestre  
Acer x freemanii  
Acer miyabei  
Acer platanoides  
Acer pseudoplatanus  
Acer rubrum  
Acer saccharum  
Acer truncatum  
**Catalpa speciosa**  
Cercidiphyllum japonicum  
Cladrastis kentukea  
Cornus mas  
Cornus foemina  
Fraxinus spp.  
Gleditsia triacanthos  
Gymnocladus dioicus

MODERATE-DIFFICULT

Alnus glutinosa  
**Amelanchier spp.**  
Betula spp.  
**Celtis occidentalis**  
Cercis canadensis  
Corylus colurna  
Crataegus crus-galli inermis  
Crataegus viridis 'Winter King'  
Eucommia ulmoides  
Prunus subhirtella var. autumnalis  
Quercus robur  
Tilia tomentosa  
Zelkova serrata

Koelreuteria paniculata  
Maackia amurensis  
Malus spp.  
Parrotia persica  
Platanus x acerifolia  
Prunus 'Accolade'  
Prunus sargentii  
Prunus serrulata  
Prunus virginiana 'Canada Red'  
Pyrus calleryana  
Pyrus ussuriensis  
Quercus bicolor  
Quercus palustris  
Quercus rubra  
Robinia pseudoacacia cultivars:  
Black Locust 'Purple Robe', 'Pyramidalis',  
Globosum', 'Bessoniana', 'Twisty Baby'

**Carpinus spp.**  
Crataegus phaenopyrum  
Ginkgo biloba  
**Liriodendron tulipifera**  
Nyssa sylvatica  
Ostrya virginiana  
Quercus alba  
Quercus coccinea  
Quercus imbricaria  
Quercus macrocarpa  
Quercus muehlenbergii  
Quercus prinus  
Taxodium distichum  
Ulmus 'Frontier'  
Ulmus parvifolia

Sorbus alnifolia  
Sorbus intermedia / aria  
Syringa reticulata  
Tilia americana  
Tilia cordata  
Tilia euchlora  
Ulmus americana ('St. Croix')

- Aesculus glabra

**ZERO**  
**MORTALITY**



*Quercus bicolor*

*Acer saccharum* 'Whit XLIX' Powder Keg®





**HAZARDS AVOIDED**







# HORTICULTURE DEPARTMENT

**GW**  
**GREEN WOOD**  
DEPARTMENT OF DESIGN AND LANDSCAPE

# THANK YOU



Department of  
Environmental  
Conservation