

Tree Assessment

# *Donaldson- Bannister Park*



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June 2012

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## Introduction

A tree assessment was conducted on trees in high pedestrian, traffic and recreational areas within Donaldson-Bannister Park. Specimen trees within the park were also assessed. Specimen tree criteria is defined in the City of Dunwoody Tree Ordinance Section 16-195(h) as follows: hardwood trees  $\geq 24$ " diameter at breast height (DBH), softwood trees  $\geq 30$ " DBH and flowering understory trees  $\geq 6$ " DBH.

There were a total of 7 trees inventoried within Donaldson-Bannister Park. The trees consist of 5 species. The most common tree species are Northern Red Oak and White Oak. The inventory was completed using GIS and GPS technology. This report is intended to be used as a management tool to sustain and promote healthy trees and improve the environmental quality of the area.

Donaldson-Bannister Park Urban Forest Summary	
Feature	Measure
Number of Trees Surveyed	7
Number of Species	5
Most Common Species	Southern Magnolia
Most common diameter	26"-30" (57% of all trees)
Largest diameter	42"
Condition	Good=0 Fair=5 Poor=2 Dead=0
Maintenance Priority Levels *	1=2 2=5 3=0 4=0

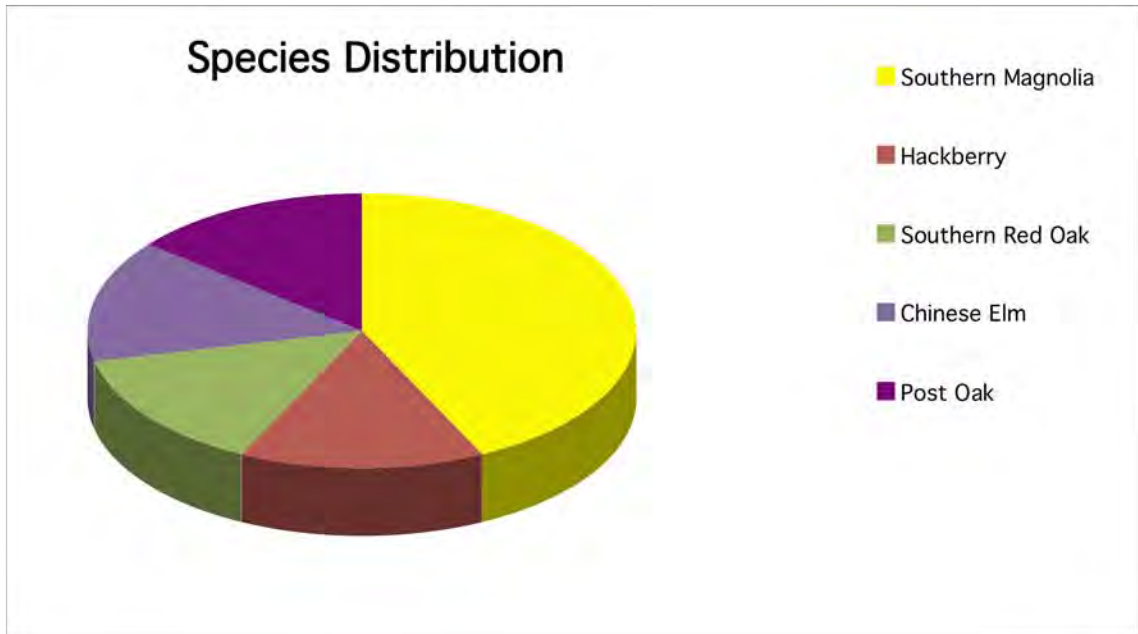
## Results

The data from this survey is shown in its entirety in Appendix B of this report. The following information has been taken from the data and summarized where relevant.

(\*See page 5 for more information of Maintenance Priority Levels)

Species Distribution

There are 5 different species of trees surveyed inside Donaldson-Bannister Park. The predominant species as ranked by their total number as compared to the total trees inventoried are as follows:



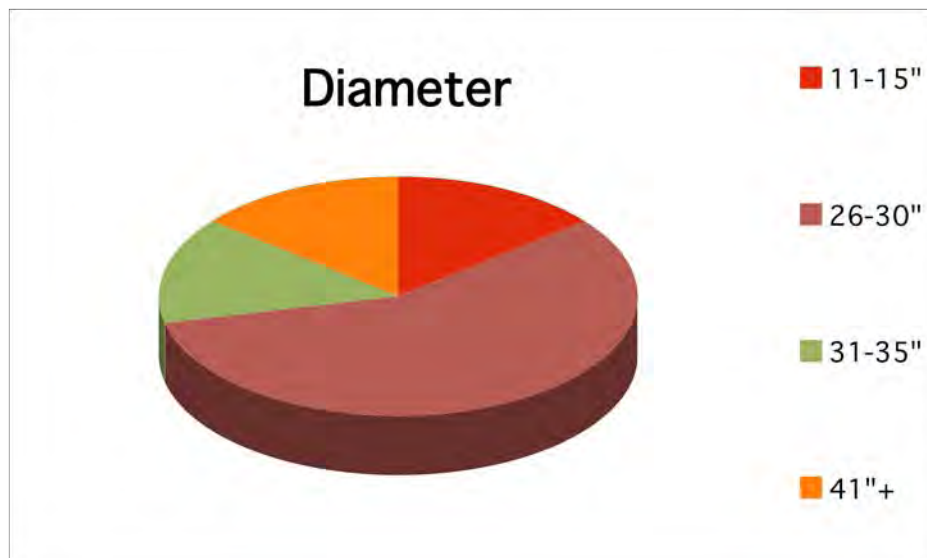
Amount of Trees Per Species

Species	Number of Trees
Post Oak	1
Hackberry	1
Chinese Elm	1
Southern Magnolia	3
Southern Red Oak	1

Diameters

The inventoried trees range from 14 to 42 inches in diameter. The majority of the trees (57%) are between 26 and 30 inches in diameter.

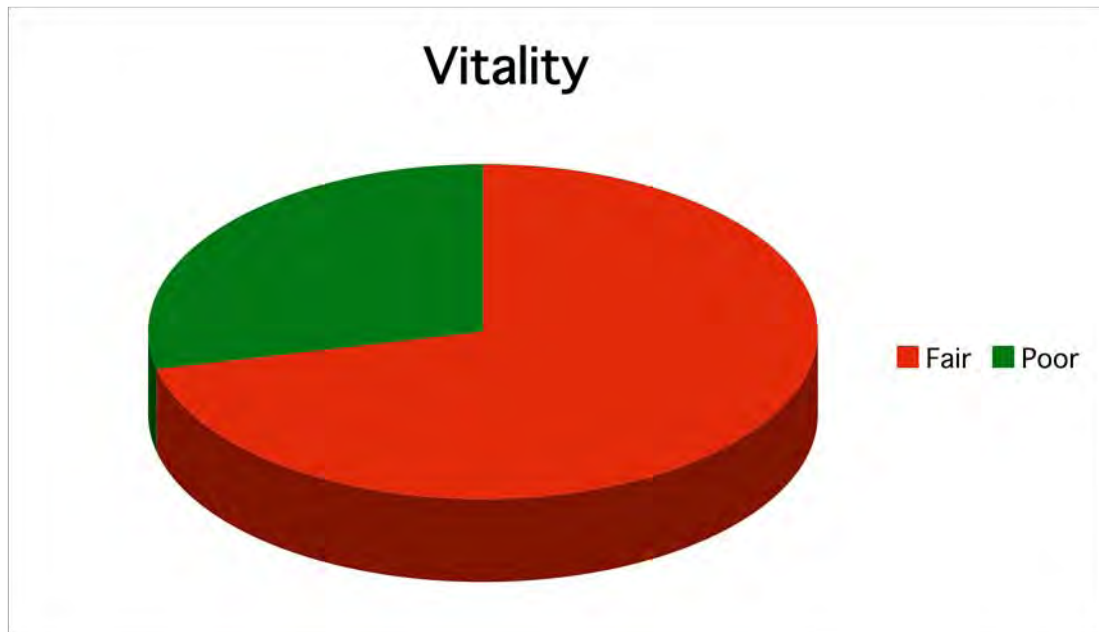
Diameter	Amount
6" - 10"	0
11" - 15"	1
16" - 20"	0
21" - 25"	0
26" - 30"	4
31" - 35"	1
36" - 40"	0
+ 41" =	1
6" - 10"	0



Vitality Rating

Of the trees surveyed, 71% are in fair condition and 29% are in poor condition. It is important to note that vitality is not necessarily an indicator of structural integrity or the safety of a tree. Vitality is simply a judgment made by the field technician concerning the outward signs of health of the tree.

Vitality	Amount
Good	0
Fair	5
Poor	2
Dead	0



Maintenance Priorities

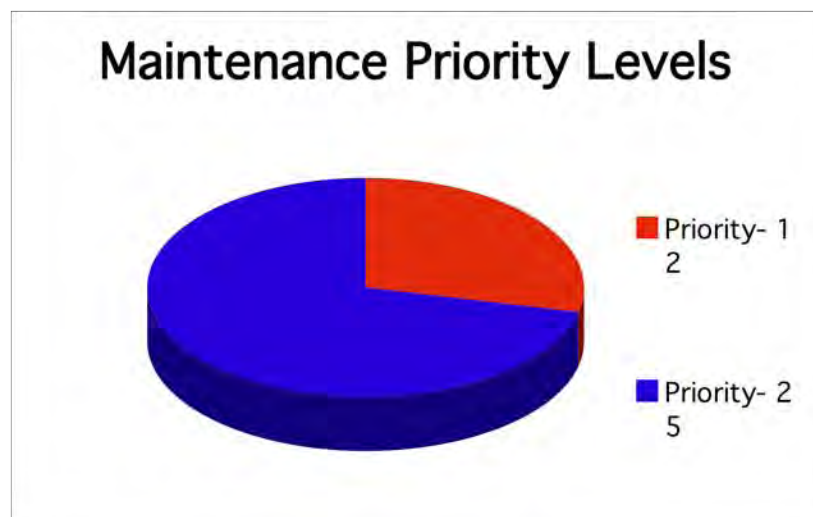
Priority 1= Action is required as soon as possible. These trees may be dead, hazardous, in need of a risk assessment using Resistograph technology or requires pruning or other actions as soon as possible.

Priority 2= These trees will require action in the near future.

Priority 3= Maintenance priorities 1-2 should be addressed before maintenance priority 3.

Priority 4= Maintenance is not required at this time.

Maintenance Priority	Amount
Priority 1	2
Priority 2	5
Priority 3	0
Priority 4	0



## Maintenance Schedule

This park currently has a number of buildings situated on the property with trees surrounding the perimeter of the property. The 7 trees identified on this site are generally in fair condition with two being in poor condition. No hazardous conditions are present at this time. Although no maintenance would actually be required on this site at this time, there is one specimen sized southern magnolia tree that is hollow and requires a test for structural integrity.

The following budget for tree pruning is reflective of standard tree care rates typical of fully insured and highly qualified local arborists. It is expected that to satisfactorily complete this work it will require a time budget of approximately 1 day.

Prune dead limbs and cut vines on 5 trees, cable on southern magnolia:

- Labor: \$1950
- Materials: \$160
- Risk assessment for one southern magnolia: \$295

Total estimated budget: \$2405



Appendix A

Common Name – Latin Name Key

Trees – Common	Latin Name	Native/ Adaptive
Southern Magnolia	<i>Magnolia grandiflora</i>	YES
Southern Red Oak	<i>Quercus rubra</i>	YES
Post Oak	<i>Quercus stellata</i>	YES
Hackberry	<i>Celtis occidentalis</i>	YES
Chinese Elm	<i>Ulmus parvifolia</i>	YES

## Appendix B

The inventory is a compilation of information gathered about the trees. All trees were located utilizing GPS technology and the following data parameters recorded for each tree.

Term	Description
Tree No.	All trees were numbered with an aluminum tag bearing a unique number and located utilizing GPS technology.
Species	Listed as the North American common name.
DBH	Diameter of trunk in inches, measured at 4.5' feet above average soil level. Measurements were taken using a forestry diameter tape.
Vitality	<p>Good ..... Tree has excellent vigor and is actively growing without any serious pathogenic problems. Tree exhibits a structural form that is safe and typical of the species.</p> <p>Fair ..... Tree is in moderate health, but may have a minor pathogenic problem. Some insects and disease could be present. Tree may have minor structural defects, but does not exhibit optimal form for the species in an urban environment. A tree in fair condition may not react favorably to site developments or additional stress.</p> <p>Poor ..... Tree's vigor is low to moderate. It may also have moderate to severe structural defects or a form that is undesirable for the species. Some trees in poor condition are not recoverable and could degrade into a state of advanced decline leading to death.</p>
Maintenance Recommendations	Any maintenance needed; such as pruning, soil therapy, install cables or removal.
Maintenance Priority	Urgency of the required maintenance rated from 1 to 4.
Comments	Any other additional notes about the tree that were not adequately addressed in the other fields.
Location	Specifies where the trees can be found such as by address or approxiamte location in a park.

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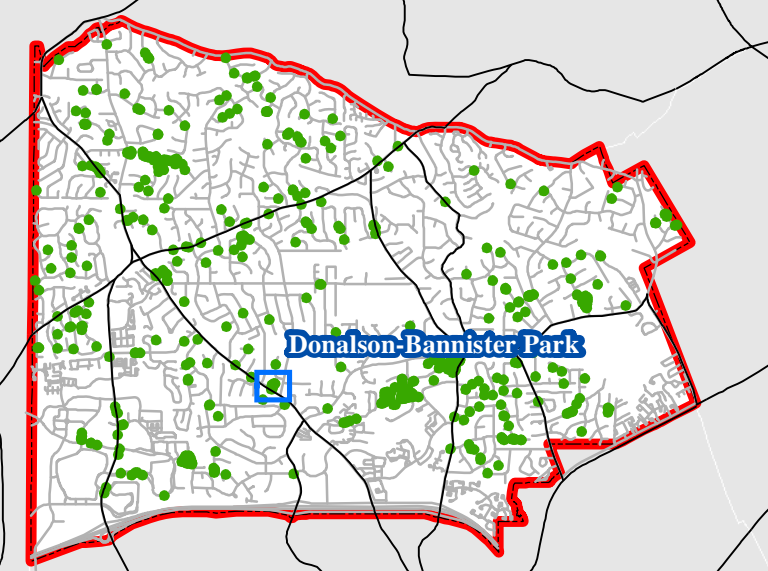
Tree Survey

Donaldson-Bannister Park

Tree #	Species	DBH	Vitality	Mtnc Rec	Mtnc Prior	Comments	Location
537	Oak-Post	27	Fair	Prune deadwood	2	Deadwood, ivy overtaking trunk	Donadson-Bannister Park backyard fence
538	Hackberry	26	Fair	Prune deadwood	2	Deadwood, ivy overtaking trunk	Donaldson-Bannister Park backyard fence
539	Elm-Chinese	14	Poor	Insecticide sprays	2	Large lead fell from tree creating a large wound	Donaldson-Banister Park beside pool
540	Oak-Southern Red	42	Fair	Prune deadwood	2	Deadwood, tip dieback, broken scaffolds	Donaldson-Bannister park- garden
541	Magnolia-Southern	34	Fair	Cable leads	2	Codominant at 5 ft	Donaldson-Bannister park-garden
542	Magnolia-Southern	29	Poor	Risk assessment	1	Large cavity in base/decay	Donaldson-Bannister park-garden
543	Magnolia-Southern	30	Fair	Prune deadwood	2	Deadwood, ivy overtaking trunk	Donaldson-Bannister park-garden





# Maintenance Priority

City of Dunwoody

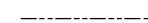

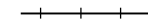



## Maintenance Priority Level

*Donalson - Bannister Park*

- |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |
| Priority 1                                                                            | Priority 2                                                                            |
|  |  |
| Priority 3                                                                            | Priority 4                                                                            |

**Legend**

	Roads		Parcels
	Railroads		Lakes / Water Features

1 inch = 100 feet

 **Dunwoody**  
 \*Smart people - Smart city