

Tree Assessment

North DeKalb Cultural Arts Center



Submitted by:
Arboguard Tree Specialists
June 2012

Table of Contents

Introduction	1
Species Distribution	2
Diameter Values	3
Vitality Ratings	4
Maintenance Priority Levels	5
Maintenance Schedule	6
Appendix A Latin Names	7
Appendix B Data	8

Introduction

A tree assessment was conducted on trees in high pedestrian, traffic and recreational areas within North Dekalb Cultural Arts Center. Specimen trees were located. Specimen tree criteria is defined in the City of Dunwoody Tree Ordinance Section 16-195(h) as follows: hardwood trees ≥ 24 " diameter at breast height (DBH), softwood trees ≥ 30 " DBH and flowering understory trees ≥ 6 " DBH.

There were a total of 11 trees inventoried. The trees consist of 6 species. The most common tree species are Flowering Dogwood and Maple. The inventory was completed using GIS and GPS technology. This report is intended as a management tool to sustain and promote healthy trees and improve the environmental quality of the area.

North Dekalb Cultural Arts Center Urban Forest Summary	
Feature	Measure
Number of Trees Surveyed	11
Number of Species	6
Most Common Species	Flowering Dogwood
Most common diameter	3"-10" (45% of all trees)
Largest diameter	27"
Condition	Good=2 Fair=6 Poor=2 Dead=1
Maintenance Priority Levels *	1=2 2=7 3=0 4=2

Results:

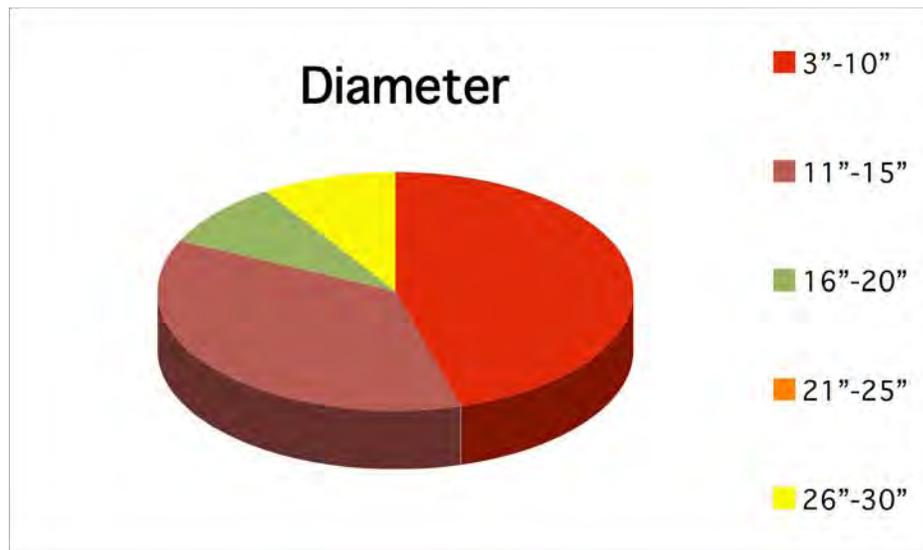
The data from this survey is shown in its entirety in Appendix B of this report. The following information has been taken from the data and summarized where relevant.

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

Diameters

The inventoried trees range from 5 to 27 inches in diameter. The majority of the trees (45%) are between 3 and 10 inches in diameter.

Diameter	Amount
3"-10"	5
11"-15"	4
16"-20"	1
21"-25"	0
26"-30"	1



Maintenance Priorities

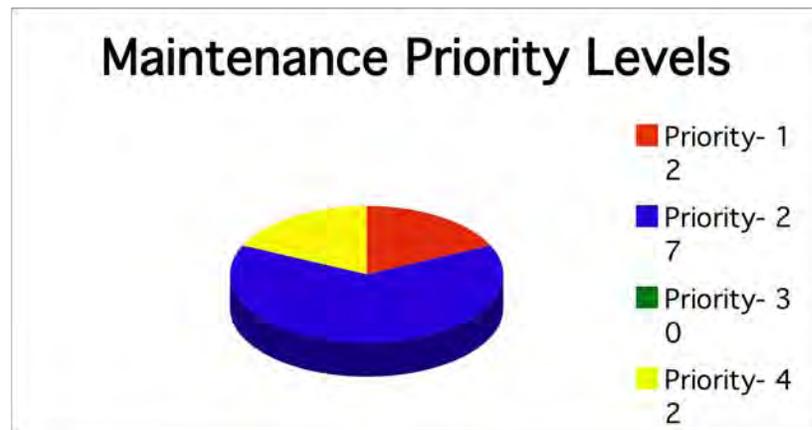
Priority 1= Action is required as soon as possible. These trees may be dead, hazardous, in need of a risk assessment using Resistograph technology or requires pruning or other actions as soon as possible.

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	7
Priority 3	0
Priority 4	2



Maintenance Schedule

11 trees were identified at this location as either meeting the specimen tree size criteria or requiring some type of tree maintenance. One tree was found to need immediate removal seven trees are recommended for pruning as well as three trees recommended for the application of organic nutrients to help improve their vigor.

The following budget for tree pruning and removal 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 2 days.

Prune dead limbs, install steel support cables and prune trees as needed, remove one dead pine:

- Labor: \$4160

Provide organic nutrients to approximately 3 trees twice annually: \$590

Total estimated budget: \$4750

Appendix A

Common Name – Latin Name Key

Common Name	Trees – Latin	Native/Adaptive
Flowering Dogwood	<i>Cornus florida</i>	YES
Loblolly Pine	<i>Pinus taeda</i>	YES
Pin Oak	<i>Quercus rubra</i>	YES
Red Maple	<i>Acer rubrum</i>	YES
Mimosa	<i>Mimosa pudica</i>	NO
American Sycamore	<i>Platanus occidentalis</i>	YES

Appendix B

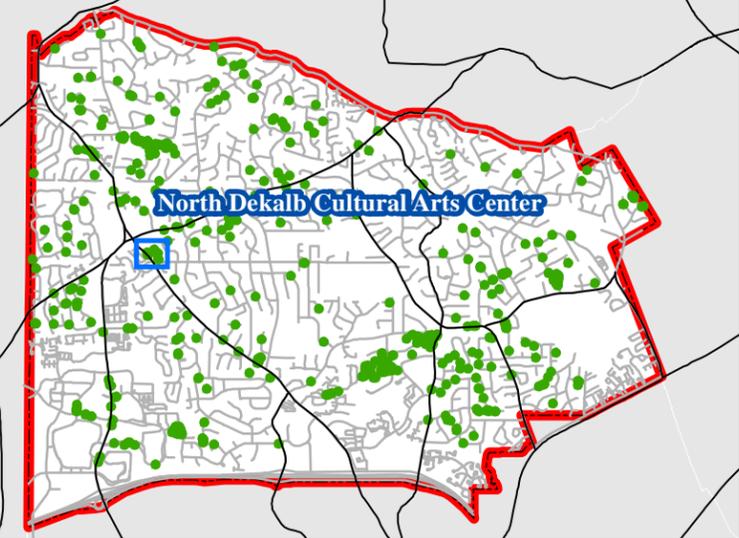
The inventory is a compilation of information gathered about the trees. All trees were located utilizing GPS technology and the following data parameters recorded for each tree.

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.

Tree #	Species	DBH	DBH2	DBH3	DBH4	Vitality	Mtnc Rec	Mtnc Prior	Comments	Location
544	Dogwood-Flowering	8	6	6	6	Fair	Soil therapy	2	Cavities in trunk	NDCAC-parking
545	Maple-Red	17	18	9	0	Fair	Cable leads	1	Cavities in trunk	NDCAC-parking
546	Maple-Red	27	0	0	0	Fair	Prune deadwood	2	Deadwood, aerial cavity in scaffold limb	NDCAC-parking
547	Dogwood-Flowering	5	7	0	0	Good	None	4		NDCAC-courtyard
548	Dogwood-Flowering	6	0	0	0	Good	None	4		NDCAC-courtyard
549	Sycamore-American	11	15	0	0	Fair	Cable leads	2	Weak union, included bark	NDCAC-courtyard
550	Pine-Loblolly	11	0	0	0	Dead	Removal	1	Hazard	NDCAC-rear fence
551	Oak-Pin	10	0	0	0	Poor	Soil therapy/Prune	2	Sparse canopy/ deadwood	NDCAC-corner of bldg
552	Oak-Pin	11	0	0	0	Poor	Soil therapy/Prune	2	Sparse canopy/ deadwood	NDCAC-corner of bldg
553	Mimosa	10	0	0	0	Fair	Prune low limbs	2	Low limbs near dumpster	NDCAC-fence near dumpster
554	Mimosa	12	0	0	0	Fair	Prune low limbs	2	Low limbs near dumpster	NDCAC-fence near dumpster

Maintenance Priority

City of Dunwoody



Maintenance Priority Level

North Dekalb Cultural Arts Center



Priority 1



Priority 2



Priority 3

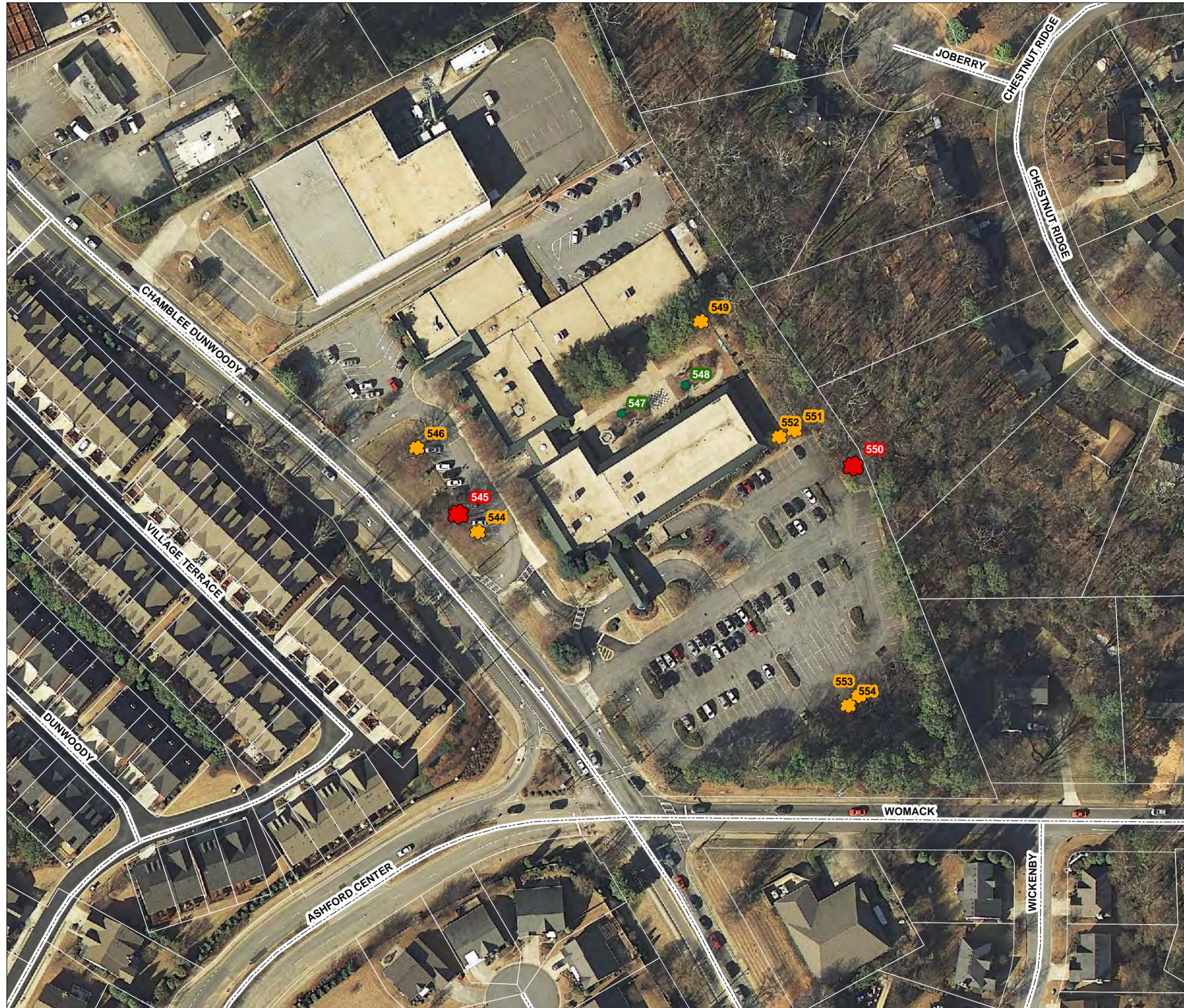


Priority 4

Legend

- Roads
- Railroads
- ▭ Parcels
- ▭ Lakes / Water Features

1 inch = 100 feet



Dunwoody
Smart people - Smart city

