

## Tree Assessment

# Perimeter Center East Park



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 within the future site of Perimeter Center East Park. Specimen trees within the park were also located. 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 28 trees inventoried within Perimeter Center East Park. The trees consist of 6 species. The most common tree species is Loblolly Pine. 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.

Perimeter Center East Park Urban Forest Summary	
Feature	Measure
Number of Trees Surveyed	28
Number of Species	6
Most Common Species	Northern Red Oak
Most common diameter	26" -30" (43% of all trees)
Largest diameter	38"
Condition	Good=7 Fair=18 Poor=2 Dead=1
Maintenance Priority Levels *	1=1 2=0 3=19 4=8

## 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.

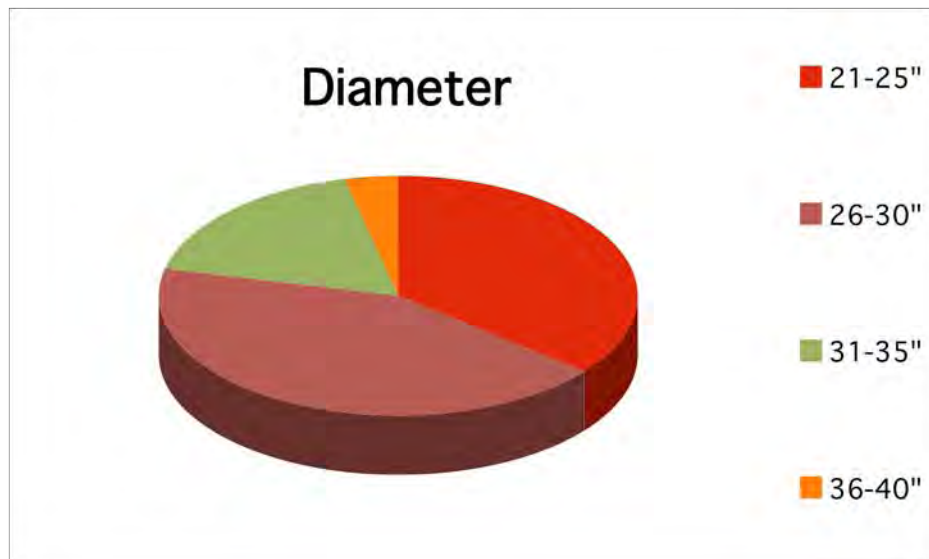
(\*See page 5 for more information of Maintenance Priority Levels)



Diameters

The inventoried trees range from 24 to 38 inches in diameter. The majority of the trees (43%) are between 16 and 20 inches in diameter.

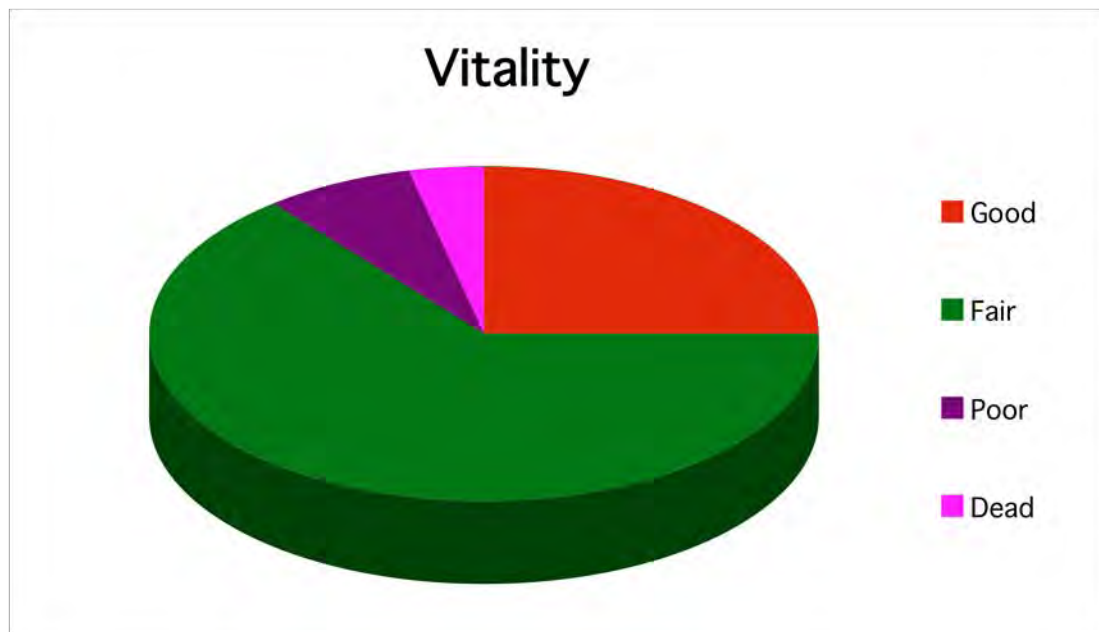
Diameter	Amount
1-6"	0
7-10"	0
11-15"	0
16-20"	0
21-25"	10
26-30"	12
31-35"	5
36-40"	1
41"+	0



Vitality Rating

Of the trees surveyed, 25% are in good condition, 64% are in fair condition, 7% are in poor condition and 4% are dead. 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	7
Fair	18
Poor	2
Dead	1



Maintenance Priorities

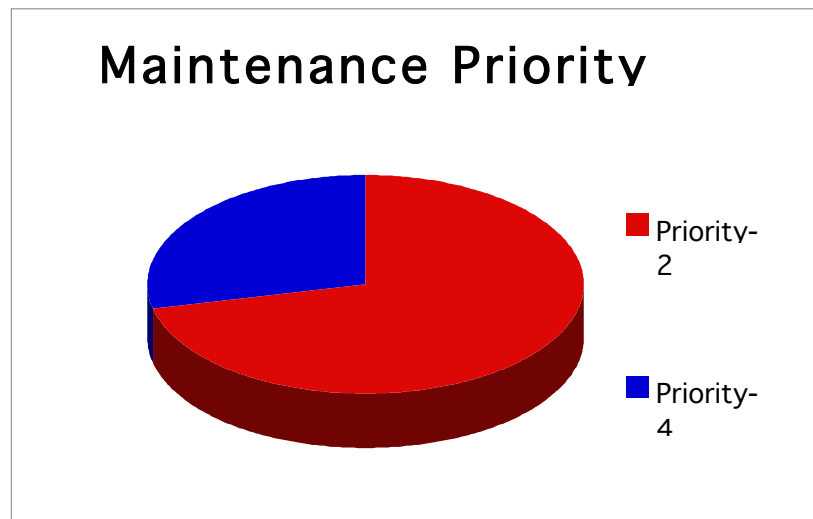
Priority 1= Action is required as soon as possible. These trees may be dead, hazardous, in need of a risk assessment using Resistograph technology or requires pruning or other actions as soon as possible.

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	0
Priority 2	0
Priority 3	20
Priority 4	8



## Maintenance Schedule

This park is currently an undeveloped wooded tract of land. The 28 trees identified on this site consist primarily of specimen size trees. Although no maintenance would actually be required on this site at this time, there were three trees identified as needing removal should the budget allow for it. As these trees are in an undeveloped wooded location, it is recommended that they be felled and left lay on the ground.

The following budgets for tree removal are 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.

Removal of 3 dead and dying trees:

- Labor: \$1950

Total estimated budget Removal: \$1950



## Appendix A

### Common Name – Latin Name Key

<b>Trees - Latin</b>	<b>Common Name</b>	<b>Native/Adaptive</b>
White Oak	<i>Quercus alba</i>	YES
Loblolly Pine	<i>Pinus taeda</i>	YES
Northern Red Oak	<i>Quercus rubra</i>	YES
Red Maple	<i>Acer rubrum</i>	YES
American Sycamore	<i>Platanus occidentalis</i>	YES
Tulip Poplar	<i>Liriodendron tulipifera</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 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 approximate location in a park.

## CITY OF DUNWOODY

## Tree Survey

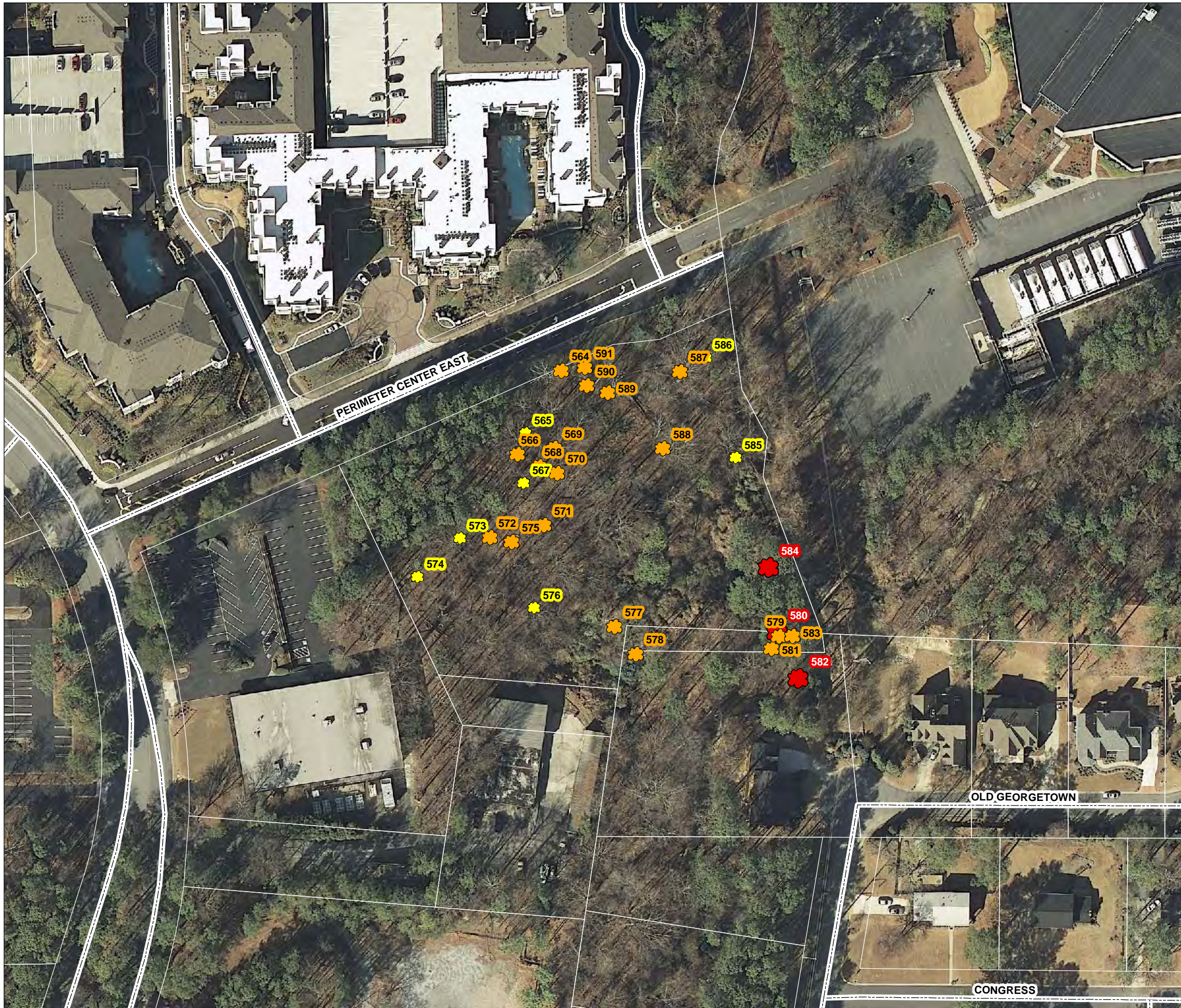
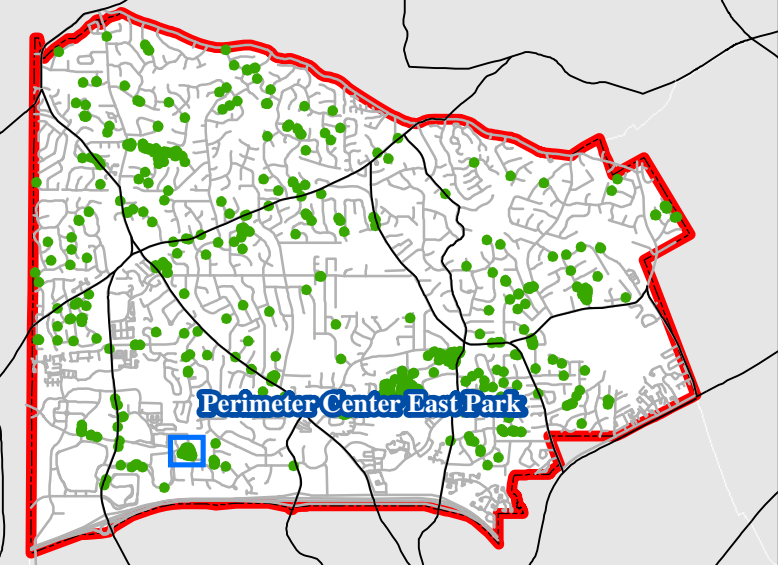
## Perimeter Center East Park

Tree #	Species	DBH	DBH2	Vitality	Mtnc Rec	Mtnc Prior	Comments	Location
564	Oak-Northern Red	38	0	Fair	Prune-Deadwood	3	Poison ivy, Deadwood	Perimeter Center E
565	Oak-White	27	0	Good	None	4		Perimeter Center E
566	Oak-Northern Red	27	0	Fair	Prune-Deadwood	3	Dead scaffold branch	Perimeter Center E
567	Oak-Northern Red	24	0	Good	None	4		Perimeter Center E
568	Oak-White	24	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
569	Oak-White	27	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
570	Oak-White	24	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
571	Oak-Northern Red	24	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
572	Oak-Northern Red	24	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
573	Oak-Northern Red	30	0	Good	None	4		Perimeter Center E
574	Tulip Tree-Poplar	30	0	Fair	None	4	Epicormic sprouts	Perimeter Center E
575	Oak-White	27	0	Good	Prune-Deadwood, Remove vines	3	Ivy covering trunk, Deadwood	Perimeter Center E
576	Oak-Northern Red	30	0	Good	None	4		Perimeter Center E
577	Sycamore-American	25	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
578	Tulip Tree-Poplar	28	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
579	Pine-Loblolly	31	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
580	Maple-Red	27	0	Poor	Remove	3	Cavities at base, lean	Perimeter Center E
581	Tulip Tree-Poplar	28	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
582	Pine-Loblolly	22	0	Dead	Remove	3	Dead	Perimeter Center E
583	Pine-Loblolly	30	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
584	Pine-Loblolly	25	29	Poor	Remove	3	>75% Dead, Codominant	Perimeter Center E
585	Tulip Tree-Poplar	34	0	Good	None	4		Perimeter Center E
586	Oak-Northern Red	32	0	Good	None	4		Perimeter Center E
587	Oak-White	35	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
588	Oak-White	34	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
589	Oak-Northern Red	25	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
590	Oak-Northern Red	24	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E
591	Oak-Northern Red	26	0	Fair	Prune-Deadwood	3	Deadwood	Perimeter Center E






# Maintenance Priority

City of Dunwoody


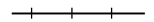



## Maintenance Priority Level

Perimeter Center East 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