COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
251 CAUSEWAY STREET, SUITE 600-700,
BOSTON, MA 02114-2104
PHONE 617-973-8700 FAX 617-973-8798
www.state.ma.us/dem

Trees & Pp. direct CHART
Sent 9/21/99

Argeo Paul Cellucci
GOVERNOR

Jane Swift
LIEUTENANT GOVERNOR

Bob Durand
SECRETARY

Peter C. Webber
COMMISSIONER

COMMUNITY FORESTRY IN ARLINGTON
Program Review and Recommendations for Management

The following discussion and recommendations are submitted by Jane Calvin, Massachusetts Community Action Forester, to help town officials in Arlington develop an effective, comprehensive urban forestry program.

Introduction

An effective community forestry program will maintain the natural beauty of Arlington through active participation of its citizens. These management recommendations are designed to lead policymakers and citizens toward achieving a sustainable urban forestry program that will improve the quality of life in Arlington for generations to come.

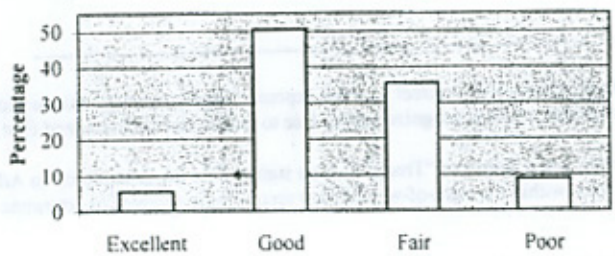
Background

During the Fall of 1998, the Town of Arlington with guidance from the MA DEM's Urban Forestry Program conducted a survey (statistical sampling) of town-owned and controlled trees.[1] Random road segments and blocks throughout town were sampled within three zones (see attached map). The sampled data is then extrapolated and weighted to provide town-wide data as presented here. The goal of the survey was to provide data that would allow local officials and community activists to communicate the "big picture" regarding the condition of Arlington's urban forest.[2]

Summary of Results

- The total estimated value of Arlington's urban forest is $60,826,000.[3]
- 24,500 trees represents 69 species, representing all trees within 20' of the curb of land owned or controlled by the Town of Arlington;
- The most common species is Norway maple (40.8%), with other species trailing behind as follows: black oak (5.1%), hemlock (4.2%), and arborvitea (4.0%);
- 44.2% of Arlington's trees are in fair to poor condition (35.4% fair/8.8% poor).

Tree Condition



Size class distribution – Town-wide
Size class distribution is an important way to evaluate the overall composition of the urban forest. Urban forests have successional stages, just as more forested parks and conservation areas do. In urban areas, size class distribution reflects more on the streetscape character and potential insect, disease and maintenance problems.

- Average Tree Diameter (DBH) = 13.1". A large portion of the trees (40.5%) are under 8" which will comprise the urban forest for future generations. Although, this does raise a flag because these same trees would also ideally be pruned periodically to ensure structural integrity and prevent future problems. Furthermore, it is likely that many of these are behind the setback which might require encouragement of homeowners to care for their trees that will become the urban forest of tomorrow.

- Mature shade trees (>32") that tend to define the character of the streetscape (i.e., red and sugar maples, and elm) are only a small portion of the population in Arlington (4.9%).

The following discussion and recommendations are presented to help town officials develop an effective, comprehensive urban forestry program. Each section begins with a brief analysis of data from Arlington's street tree survey, followed by prioritized recommendations that specifically address the results of the survey. Finally, the right-hand column provides a framework for assigning responsibilities and a timeline for completion.

It is anticipated that this document will become the template for a management plan, outlining a multi-year timeline for annual budgeting, community involvement, developing new policies, and improved maintenance and planting programs.

Submitted by:
Jane Calvin
Community Action Forester
Urban Forestry Program
Massachusetts Department of Environmental Management
(617) 626-1456

September 1999

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[1] The process also involved dividing the town into discreet sections, representing regions with unique geography and density. The names of these sections are those that most residents would recognize and be able to locate: North, South, and East Arlington.

[2] Statistical data, using a computer program known as "Treedt", which summarizes the urban forest in Arlington is contained at the end of this report. Approximately 12% of all trees within the right-of-way of each section were sampled to determine species, size and condition; a total of trees were sampled in this survey.

[3] The value represents a replacement cost based on basal area. This is calculated based on the diameter of the tree and is valued at $27.00 per square inch. This is a conservative estimate because it does not include the environmental benefits such as removing pollutants and cooling streets. In addition the value of $27 is well below the international standard. It is important to look at this number in relation to other infrastructure in town.

Tree planting and Species Diversity[1]

Results

While species diversity is high, one species (out of 69) predominates at 40.5% of the population.

Of the 24,500 trees within the public right-of-way, three families dominate:

- **47.1 percent (%) are maples;**
- **9.2% are oak;** and
- **4.2% are ash.**

There are approximately 3,580 tree planting sites throughout the town. The most available sites are in the South Arlington section (with 1913 sites).

Recommended Actions

PROVIDE TREE PLANTING LIST of the most desirable species (including sycamore, sourwood, and tuliptree) to guide homeowners and town officials in selecting trees for streets and parks. Continue planting higher value species and include in list the introduction of new species to discourage overplanting of common species.

ESTABLISH REPLACEMENT POLICY with priority directed at tree removals. In developing a policy related to replacement trees (whether for removals, new developments, or infrastructure improvements), it is important to review what the replacement ratio is. (In other words, do current policies allow replacing four 24" trees with four 3" caliper trees [inch per inch]? Or is it simply one tree planted for one removed, regardless of size?)

CREATE PERMIT PROCESS FOR PRIVATE TREE PLANTING to provide oversight and ensure that the right tree is planted in the right place.

REQUIRE A MINIMUM 100 FT^3 for tree planting sites.

INITIATE AN AT-COST TREE PLANTING program to encourage tree planting.

ESTABLISH "SET-BACK" PLANTING POLICY State law permits planting within 20 feet of the right-of-way and, where space is available and a homeowners desire a tree, this should be town policy.

DEVELOP PARTNERSHIP WITH LOCAL NURSERY to **contract-grow** community trees (considerable per tree savings).

ESTABLISH SPECIFICATIONS for all work related to trees.

PURCHASE AND PLANT BARE-ROOT STOCK in early spring for further savings.

SEEK A MINIMUM TWO PERCENT of all road and sidewalk repair budgets for landscaping. Construction of new roadways and sidewalks is an excellent opportunity to fund new tree planting. Planting trees during **capital improvement** projects much less expensive in comparison to individual tree plantings.

INVESTIGATE NEW STRUCTURAL SOIL MIXES which can hold the weight of sidewalks and roadways while permitting roots to grow unobstructed.

Who & When
(Responsibilities & Timeline)

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[1] When selecting trees for public areas, two goals should be kept in mind: **diversity and desirability**.

- A **diversity** of species will greatly reduce the probability that a single insect or disease problem will impact a large proportion of the urban forest (e.g., Dutch Elm Disease on American elm, or more currently, the long-horned beetle). It is normally recommended that no species make up more than about 5% of the total urban forest population; and no family more than 10 percent.
- Emphasize more **desirable** trees to reduce maintenance problems and enhance the beauty of the community. Trees that are short lived, break easily in snow, wind or ice storms, are susceptible to serious insect or disease attack, or have a high maintenance growth habit should be avoided (e.g. silver maple, bradford pear). Trees in the upper desirability classes (Classes I and II) will provide better and longer service.
- When creating planting spaces along streets, seek the greatest amount of **growing space** possible. The large trees remaining today that provide canopy and define gateways are extremely difficult to replace. In order to support a healthy tree, planting spaces should be a minimum of 100 cubic feet.

Tree Maintenance and Removal

Early intervention will prevent liability hazards

Age and species distribution of street trees is relatively good in Arlington. In general, a significant number of the most common trees in the urban forest, however, are in fair to poor condition, requiring early intervention to avoid pedestrian hazards and removal costs in the next five to 15 years.

Results

Hazard trees need removal within 5 years

- In all, we estimate that (8.8% of the trees inventoried, or 2,147 trees) need to be watched very carefully for hazards and will probably need to be removed within the next five years.

35.4% of Arlington's trees are in fair condition and may require removal within 20 years. This needs to be budgeted for in advance.

Those in fair to poor condition include:

- 56.8% of Norway maples (5,677 trees);
- 46.4% of red/black oaks (991 trees);
- 57.5% of white and 34.7% of green ash, totalling 369 trees; and
- 42.9% of red maples (297 trees); and
- 34.5% of American elms (90 trees).

Recommended Actions

CONDUCT AN ANNUAL SPRING HAZARD TREE SURVEY to identify and prioritize maintenance needs, identify trees with winter damage, hazard limbs or trees that need to be removed. DEM can provide training in hazard tree identification and prioritizing responses in order to reduce hazard liabilities.

DEVELOP A LONG-TERM BUDGET FOR REMOVAL/REPLACEMENT of the estimated trees in "poor" condition (by reviewing the cost of current removals). This should happen on a multi-year time frame and be clearly budgeted for to reduce liability and safety hazards.

INVEST IN IMPROVING TREE CONDITION. Approximately 35.4% of your community's trees are in fair condition. Small annual investments in maintenance can yield great long-term savings by extending tree longevity and reducing removal costs. With a relatively small investment in deadwood pruning, trees in "fair" condition can be upgraded to "good" condition with an accompanying average increase in tree value and longevity.

MULCH ALL STREET AND PARK TREES with a wood chips or bark mulch. Proper mulching will provide protection for trees from mower and weed whip damage as well as increase growth and vigor by conserving soil moisture and moderating soil temperatures.

WATER TREES REGULARLY. Consider contracting out or encouraging volunteers or civic organizations to water regularly during dry periods. Lack of water is the primary cause of death for new trees.

ESTABLISH HIGH STANDARDS FOR TREE CARE by providing training for in-house crews to earn status as Massachusetts Certified Arborists.

PROVIDE PROFESSIONAL IMPROVEMENT OPPORTUNITIES for town officials, staff, and tree advisory board members to advance their knowledge of community forestry and arboricultural practice through attendance at workshops that relate to community tree management. Attendance at the annual Tree Wardens' and Foresters' Conference is highly recommended.

SPECIFY CERTIFIED ARBORISTS for all contracted town tree work. Contract work should take place primarily in the winter to assure the best bid prices.

ESTABLISH A GIS BASED INVENTORY OF THE URBAN FOREST. This will allow day-to-day management to be tracked on an ongoing basis, while also integrating the data into other infrastructure data (e.g. poser lines, sewer).

Who & When

(Responsibilities & Timeline)

Public Awareness, Education, and Youth

Several active citizens took part in this survey and could likely become the core of a tree committee. With interest from the garden club and other groups, the community of Arlington has the foundation for developing a stronger urban forestry constituency.

The recommendations regarding public awareness, education, and youth are focused toward the tree warden's and possible future tree committee's activities in developing a stronger base of support for the long-term care of Arlington's community forest.

Recommended Actions

ENGAGE THE GREATER COMMUNITY in civic improvements focused on trees. Projects might include:

- Project Learning Tree
- Arbor Day events (last Friday in April)
- Tree and park tours
- Tree Stewardship training workshops
- Heritage tree searches (Trees Are Cool)

INVOLVE NEIGHBORHOOD ORGANIZATIONS, local schools and youth in the tree care program. There are considerable resources available through state and private agencies interested in supporting grassroots action on behalf of trees.

ESTABLISH A PUBLIC EDUCATION PROGRAM through local news media and nonprofit groups to provide information regarding tree planting and maintenance. Emphasis should be placed on the advantages of planting desirable trees and practicing good tree care.

APPLY FOR TREE CITY USA STATUS IN 1999.

Who & When
(Responsibilities & Timeline)

Policy and Administration

To accomplish the goals and objectives decided upon by the Town of Arlington, a workable administrative framework is necessary. Here are suggested steps to develop such a framework:

CONCLUSIONS

Arlington is a historic town with a great undercurrent of vitality. Trees are an important community resource that add value to adjacent property and attract new residents, industry and tourism. The people of Arlington are increasingly aware of this resource. There is great potential for enhancement of Arlington's urban forest. The urban forest of Arlington contributes substantially to resident and commercial property values and, with moderate increases in annual tree planting and maintenance, could yield significant returns in the years ahead.

Recommended Actions

Who & When (Responsibilities & Timeline)	

REVIEW THE TOWN CODES AND MASS. GENERAL LAW CHAPTER 87 as they relate to trees and consider any changes which need to be made to update regulations.

DEVELOP CROSS-PROGRAM RELATIONSHIPS with other Arlington agencies, e.g. Conservation Commission Planning and Zoning Board, and local non-profits. This would increase support for your program, highlight an ecosystem based understanding of the roles trees play in community sustainability, and underscore a stronger link to community livability and quality of life.

PUBLICIZE THIS REPORT and make it available to the general public to increase public awareness of the urban forest by publicizing this report.

ESTABLISH A TREE ADVISORY BOARD through legal ordinance that will be responsible to advise the town and make recommendations for urban forest management.

INITIATE A PERMIT PROCESS for tree planting and removal.

ESTABLISH ANNUAL LONG-RANGE PLANS FOR MAINTENANCE (through an officially recognized tree advisory board), including:

- annual hazard tree surveys;
- replacement and removal of all trees in poor condition;
- a cyclical pruning regime to upgrade the condition of existing trees;
- establishment of a permit process for removals on private property; and
- utility tree pruning.

MAINTAIN ANNUAL WORK PLANS to accomplish needed tree work and provide alternative levels of service tied to budget constraints.

REVIEW ALL CAPITAL IMPROVEMENT PROJECTS for potential affects on trees.

GIVE THE TREE CARE PROGRAM A LINE IN THE TOWN BUDGET.

MAINTAIN CONTACT WITH THE MASSACHUSETTS DEM-URBAN FORESTRY PROGRAM (617-626-1456) for cooperative programs and planning and planting grants.

ASSUMPTIONS:

Tree Value $27.00 Per Square Inch

FACTOR (Basis)	CLASS TITLES Values				
SPECIES (Pct)	CLASS I 100.	CLASS II 80.	CLASS III 60.	CLASS IV 40.	CLASS V 20.
SIZE (Ave Diam)	1-8 IN 5.00	9-16 IN 12.00	17-24 IN 20.00	25-32 IN 28.00	32+ IN 38.00
CONDITION (Pct)	EXCEL. 95.	GOOD 70.	FAIR 45.	POOR 20.	

CONDITION CLASS SUMMARY -South Arlington

SECTION 2 - SOUTH ARLINGTON										
Maple, Norway	4837	40.8	18	.4	1469	30.4	2897	59.9	453	9.4
Oak, Black	838	7.1	0	.0	306	36.5	415	49.5	117	14.0
Hemlock spp.	706	5.9	45	6.4	363	51.4	226	32.0	72	10.2
Arborvitae	688	5.8	9	1.3	399	58.0	235	34.2	45	6.5
Cherry, Ornamental	378	3.2	45	11.9	225	59.5	72	19.0	36	9.5
Pine, White	370	3.1	18	4.9	208	56.2	144	38.9	0	.0
Maple, Red	360	3.0	18	5.0	180	50.0	144	40.0	18	5.0
Spruce species	288	2.4	9	3.1	153	53.1	108	37.5	18	6.3
Ash, White	243	2.0	9	3.7	45	18.5	126	51.9	63	25.9
Oak, Red	243	2.0	9	3.7	126	51.9	99	40.7	9	3.7
Dogwood species	234	2.0	63	26.9	126	53.8	36	15.4	9	3.8
Crabapple species	198	1.7	9	4.5	81	40.9	90	45.5	18	9.1
Maple, Japanese	198	1.7	126	63.6	72	36.4	0	.0	0	.0
Ash, Green	189	1.6	36	19.0	117	61.9	36	19.0	0	.0
Walnut species	180	1.5	9	5.0	135	75.0	36	20.0	0	.0
Maple, Silver	180	1.5	0	.0	153	85.0	18	10.0	9	5.0
Cherry, Black	153	1.3	0	.0	54	35.3	63	41.2	36	23.5
Linden species	153	1.3	0	.0	99	64.7	45	29.4	9	5.9
Elm, American	144	1.2	0	.0	90	62.5	36	25.0	18	12.5
Honeylocust	117	1.0	9	7.7	99	84.6	9	7.7	0	.0
Misc. IV	117	1.0	0	.0	27	23.1	54	46.2	36	30.8
Birch, Paper	99	.8	36	36.4	54	54.5	9	9.1	0	.0
Mulberry species	81	.7	0	.0	54	66.7	27	33.3	0	.0
Sycamore	72	.6	36	50.0	27	37.5	0	.0	9	12.5
Apple, Fruiting	72	.6	9	12.5	54	75.0	9	12.5	0	.0
Maple, Sugar	72	.6	9	12.5	63	87.5	0	.0	0	.0
Mountain Ash species	63	.5	9	14.3	27	42.9	27	42.9	0	.0
Hickory species	54	.5	0	.0	27	50.0	27	50.0	0	.0
Horsechestnut spp.	54	.5	0	.0	0	.0	18	33.3	36	66.7
Redcedar, Eastern	54	.5	0	.0	9	16.7	18	33.3	27	50.0
Oak, White	54	.5	0	.0	36	66.7	0	.0	18	33.3
Pear, Callery	36	.3	0	.0	27	75.0	0	.0	9	25.0
Juniper species	27	.2	9	33.3	18	66.7	0	.0	0	.0
Oak, Pin	27	.2	0	.0	0	.0	27	100.0	0	.0
Pear, Bradford	27	.2	0	.0	27	100.0	0	.0	0	.0
Sweetgum	27	.2	9	33.3	18	66.7	0	.0	0	.0
Elm, English	27	.2	0	.0	9	33.3	18	66.7	0	.0
Elm, Chinese	18	.2	0	.0	18	100.0	0	.0	0	.0
Misc. II	18	.2	0	.0	18	100.0	0	.0	0	.0
Beech Species	18	.2	0	.0	9	50.0	9	50.0	0	.0
Tuliptree	18	.2	0	.0	18	100.0	0	.0	0	.0
Boxelder	18	.2	0	.0	9	50.0	0	.0	9	50.0
Fir, White	18	.2	9	50.0	9	50.0	0	.0	0	.0
Catalpa	18	.2	0	.0	9	50.0	0	.0	9	50.0
Hophornbeam	9	.1	0	.0	0	.0	0	.0	9	100.0
Fir species	9	.1	0	.0	9	100.0	0	.0	0	.0
Magnolia species	9	.1	0	.0	9	100.0	0	.0	0	.0
Larch species	9	.1	0	.0	9	100.0	0	.0	0	.0
Willow, Weeping	9	.1	0	.0	9	100.0	0	.0	0	.0
Ginkgo	9	.1	9	100.0	0	.0	0	.0	0	.0
Pine, Ponderosa	9	.1	0	.0	9	100.0	0	.0	0	.0
Fir, Balsam	9	.1	9	100.0	0	.0	0	.0	0	.0
Willow, White	9	.1	0	.0	0	.0	0	.0	9	100.0
TOTALS	11867	100.0	576	4.9	5112	43.1	5078	42.8	1101	9.3

CONDITION CLASS SUMMARY - North Arlington

SPECIES	TOTAL NO OF TREES	PCT OF TOTAL	CONDITION EXCEL. NO.	EXCEL. PCT	GOOD NO.	GOOD PCT	FAIR NO.	FAIR PCT	POOR NO.	POOR PCT
SECTION 1 - NORTH ARLINGTON										
Maple, Norway	2809	35.4	9	.3	1560	55.5	869	30.9	371	13.2
Oak, Red	614	7.7	18	2.9	398	64.8	162	26.4	36	5.9
Oak, Black	415	5.2	0	.0	262	63.1	144	34.7	9	2.2
Cherry, Ornamental	343	4.3	36	10.5	145	42.3	99	28.9	63	18.4
Pine, White	334	4.2	0	.0	235	70.4	72	21.6	27	8.1
Spruce species	333	4.2	81	24.3	144	43.2	90	27.0	18	5.4
Dogwood species	261	3.3	45	17.2	117	44.8	72	27.6	27	10.3
Maple, Red	234	2.9	18	7.7	108	46.2	72	30.8	36	15.4
Arborvitae	225	2.8	9	4.0	72	32.0	144	64.0	0	.0
Ash, Green	216	2.7	9	4.2	126	58.3	81	37.5	0	.0
Sycamore	207	2.6	0	.0	81	39.1	126	60.9	0	.0
Crabapple species	198	2.5	18	9.1	36	18.2	117	59.1	27	13.6
Hemlock spp.	162	2.0	9	5.6	135	83.3	9	5.6	9	5.6
Maple, Silver	144	1.8	0	.0	90	62.5	45	31.3	9	6.3
Mulberry species	135	1.7	0	.0	54	40.0	72	53.3	9	6.7
Ash, White	117	1.5	9	7.7	90	76.9	9	7.7	9	7.7
Tree-of-Heavan	108	1.4	0	.0	81	75.0	27	25.0	0	.0
Elm, American	99	1.2	0	.0	63	63.6	36	36.4	0	.0
Locust, Black	99	1.2	0	.0	81	81.8	18	18.2	0	.0
Maple, Sycamore	90	1.1	9	10.0	9	10.0	63	70.0	9	10.0
Birch, White	81	1.0	9	11.1	54	66.7	18	22.2	0	.0
Magnolia species	72	.9	36	50.0	27	37.5	0	.0	9	12.5
Walnut species	54	.7	0	.0	54	100.0	0	.0	0	.0
Linden species	54	.7	9	16.7	27	50.0	18	33.3	0	.0
Juniper species	54	.7	0	.0	45	83.3	9	16.7	0	.0
Misc. IV	45	.6	9	20.0	36	80.0	0	.0	0	.0
Mountain Ash species	45	.6	0	.0	18	40.0	18	40.0	9	20.0
Maple, Sugar	45	.6	0	.0	36	80.0	0	.0	9	20.0
Maple, Japanese	36	.5	18	50.0	18	50.0	0	.0	0	.0
Apple, Fruiting	36	.5	0	.0	27	75.0	9	25.0	0	.0
Fruit, Other	36	.5	0	.0	18	50.0	9	25.0	9	25.0
Oak, White	36	.5	0	.0	27	75.0	9	25.0	0	.0
Ash, Black	27	.3	0	.0	9	33.3	9	33.3	9	33.3
Honeylocust	27	.3	0	.0	27	100.0	0	.0	0	.0
Misc. II	18	.2	0	.0	18	100.0	0	.0	0	.0
Hackberry	18	.2	0	.0	18	100.0	0	.0	0	.0
Birch, Grey	18	.2	9	50.0	0	.0	9	50.0	0	.0
Tuliptree	18	.2	0	.0	9	50.0	0	.0	9	50.0
Pear, Bradford	18	.2	0	.0	18	100.0	0	.0	0	.0
Hickory species	9	.1	9	100.0	0	.0	0	.0	0	.0
Horsechestnut spp.	9	.1	0	.0	9	100.0	0	.0	0	.0
Beech Species	9	.1	0	.0	9	100.0	0	.0	0	.0
Misc. III	9	.1	0	.0	9	100.0	0	.0	0	.0
Catalpa	9	.1	0	.0	9	100.0	0	.0	0	.0
Poplar species	9	.1	0	.0	9	100.0	0	.0	0	.0
TOTALS	7935	100.0	369	4.7	4418	55.7	2435	30.7	713	9.0

CONDITION CLASS SUMMARY -East Arlington

SECTION 3 - EAST ARLINGTON										
Maple, Norway	2356	50.0	63	2.7	1206	51.2	871	37.0	216	9.2
Linden species	497	10.6	0	.0	353	71.0	108	21.7	36	7.2
Honeylocust	344	7.3	0	.0	317	92.2	27	7.8	0	.0
Ash, Green	252	5.4	63	25.0	144	57.1	36	14.3	9	3.6
Hemlock spp.	153	3.2	72	47.1	81	52.9	0	.0	0	.0
Dogwood species	144	3.1	18	12.5	63	43.8	54	37.5	9	6.3
Spruce species	126	2.7	0	.0	117	92.9	0	.0	9	7.1
Cherry, Ornamental	117	2.5	18	15.4	54	46.2	27	23.1	18	15.4
Maple, Red	99	2.1	9	9.1	63	63.6	9	9.1	18	18.2
Walnut species	72	1.5	9	12.5	63	87.5	0	.0	0	.0
Arborvitae	63	1.3	0	.0	63	100.0	0	.0	0	.0
Fir, Balsam	54	1.1	0	.0	54	100.0	0	.0	0	.0
Pine, Scotch	45	1.0	0	.0	36	80.0	0	.0	9	20.0
Sycamore	45	1.0	9	20.0	36	80.0	0	.0	0	.0
Maple, Sycamore	36	.8	0	.0	36	100.0	0	.0	0	.0
Maple, Japanese	27	.6	18	66.7	9	33.3	0	.0	0	.0
Maple, Silver	27	.6	9	33.3	9	33.3	9	33.3	0	.0
Oak, Red	27	.6	9	33.3	18	66.7	0	.0	0	.0
Magnolia species	18	.4	9	50.0	9	50.0	0	.0	0	.0
Pine, White	18	.4	18	100.0	0	.0	0	.0	0	.0
Birch, Grey	18	.4	18	100.0	0	.0	0	.0	0	.0
Crabapple species	18	.4	0	.0	0	.0	9	50.0	9	50.0
Apple, Fruiting	18	.4	18	100.0	0	.0	0	.0	0	.0
Mountain Ash species	18	.4	0	.0	18	100.0	0	.0	0	.0
Pine, Red	18	.4	0	.0	18	100.0	0	.0	0	.0
Elm, American	18	.4	0	.0	18	100.0	0	.0	0	.0
Pine, Austrian	9	.2	9	100.0	0	.0	0	.0	0	.0
Beech Species	9	.2	0	.0	9	100.0	0	.0	0	.0
Catalpa	9	.2	0	.0	9	100.0	0	.0	0	.0
Oak, Scarlet	9	.2	0	.0	9	100.0	0	.0	0	.0
Oak, Swamp White	9	.2	9	100.0	0	.0	0	.0	0	.0
Fruit, Other	9	.2	0	.0	9	100.0	0	.0	0	.0
Redbud, Eastern	9	.2	0	.0	0	.0	9	100.0	0	.0
Misc. IV	9	.2	9	100.0	0	.0	0	.0	0	.0
Mulberry species	9	.2	0	.0	9	100.0	0	.0	0	.0
TOTALS	**4709**	**100.0**	**387**	**8.2**	**2830**	**60.1**	**1159**	**24.6**	**333**	**7.1**

CONDITION CLASS SUMMARY Town-wide

SPECIES	TOTAL NO OF TREES	PCT OF TOTAL	CONDITION EXCEL. NO.	EXCEL. PCT	GOOD NO.	GOOD PCT	FAIR NO.	FAIR PCT	POOR NO.	POOR PCT
Maple, Norway	10002	40.8	90	.9	4235	42.3	4637	46.4	1040	10.4
Oak, Black	1253	5.1	0	.0	568	45.3	559	44.6	126	10.1
Hemlock spp.	1021	4.2	126	12.3	579	56.7	235	23.0	81	7.9
Arborvitae	976	4.0	18	1.8	534	54.7	379	38.8	45	4.6
Oak, Red	884	3.6	36	4.1	542	61.3	261	29.5	45	5.1
Cherry, Ornamental	838	3.4	99	11.8	424	50.6	198	23.6	117	14.0
Spruce species	747	3.0	90	12.0	414	55.4	198	26.5	45	6.0
Pine, White	722	2.9	36	5.0	443	61.4	216	29.9	27	3.7
Linden species	704	2.9	9	1.3	479	68.0	171	24.3	45	6.4
Maple, Red	693	2.8	45	6.5	351	50.6	225	32.5	72	10.4
Ash, Green	657	2.7	108	16.4	387	58.9	153	23.3	9	1.4
Dogwood species	639	2.6	126	19.7	306	47.9	162	25.4	45	7.0
Honeylocust	488	2.0	9	1.8	443	90.8	36	7.4	0	.0
Crabapple species	414	1.7	27	6.5	117	28.3	216	52.2	54	13.0
Ash, White	360	1.5	18	5.0	135	37.5	135	37.5	72	20.0
Maple, Silver	351	1.4	9	2.6	252	71.8	72	20.5	18	5.1
Sycamore	324	1.3	45	13.9	144	44.4	126	38.9	9	2.8
Walnut species	306	1.2	18	5.9	252	82.4	36	11.8	0	.0
Maple, Japanese	261	1.1	162	62.1	99	37.9	0	.0	0	.0
Elm, American	261	1.1	0	.0	171	65.5	72	27.6	18	6.9
Mulberry species	225	.9	0	.0	117	52.0	99	44.0	9	4.0
Misc. IV	171	.7	18	10.5	63	36.8	54	31.6	36	21.1
Cherry, Black	153	.6	0	.0	54	35.3	63	41.2	36	23.5
Apple, Fruiting	126	.5	27	21.4	81	64.3	18	14.3	0	.0
Mountain Ash species	126	.5	9	7.1	63	50.0	45	35.7	9	7.1
Maple, Sycamore	126	.5	9	7.1	45	35.7	63	50.0	9	7.1
Maple, Sugar	117	.5	9	7.7	99	84.6	0	.0	9	7.7
Tree-of-Heavan	108	.4	0	.0	81	75.0	27	25.0	0	.0
Magnolia species	99	.4	45	45.5	45	45.5	0	.0	9	9.1
Birch, Paper	99	.4	36	36.4	54	54.5	9	9.1	0	.0
Locust, Black	99	.4	0	.0	81	81.8	18	18.2	0	.0
Oak, White	90	.4	0	.0	63	70.0	9	10.0	18	20.0
Juniper species	81	.3	9	11.1	63	77.8	9	11.1	0	.0
Birch, White	81	.3	9	11.1	54	66.7	18	22.2	0	.0
Horsechestnut spp.	63	.3	0	.0	9	14.3	18	28.6	36	57.1
Hickory species	63	.3	9	14.3	27	42.9	27	42.9	0	.0
Fir, Balsam	63	.3	9	14.3	54	85.7	0	.0	0	.0
Redcedar, Eastern	54	.2	0	.0	9	16.7	18	33.3	27	50.0
Pine, Scotch	45	.2	0	.0	36	80.0	0	.0	9	20.0
Fruit, Other	45	.2	0	.0	27	60.0	9	20.0	9	20.0
Pear, Bradford	45	.2	0	.0	45	100.0	0	.0	0	.0
Misc. II	36	.1	0	.0	36	100.0	0	.0	0	.0
Pear, Callery	36	.1	0	.0	27	75.0	0	.0	9	25.0
Beech Species	36	.1	0	.0	27	75.0	9	25.0	0	.0
Catalpa	36	.1	0	.0	27	75.0	0	.0	9	25.0
Tuliptree	36	.1	0	.0	27	75.0	0	.0	9	25.0
Birch, Grey	36	.1	27	75.0	0	.0	9	25.0	0	.0
Ash, Black	27	.1	0	.0	9	33.3	9	33.3	9	33.3
Sweetgum	27	.1	9	33.3	18	66.7	0	.0	0	.0
Elm, English	27	.1	0	.0	9	33.3	18	66.7	0	.0
Oak, Pin	27	.1	0	.0	0	.0	27	100.0	0	.0
Fir, White	18	.1	9	50.0	9	50.0	0	.0	0	.0
Boxelder	18	.1	0	.0	9	50.0	0	.0	9	50.0
Hackberry	18	.1	0	.0	18	100.0	0	.0	0	.0
Pine, Red	18	.1	0	.0	18	100.0	0	.0	0	.0
Elm, Chinese	18	.1	0	.0	18	100.0	0	.0	0	.0
Oak, Swamp White	9	.0	9	100.0	0	.0	0	.0	0	.0
Fir species	9	.0	0	.0	9	100.0	0	.0	0	.0
Oak, Scarlet	9	.0	0	.0	9	100.0	0	.0	0	.0
Ginkgo	9	.0	9	100.0	0	.0	0	.0	0	.0
Pine, Austrian	9	.0	9	100.0	0	.0	0	.0	0	.0
Larch species	9	.0	0	.0	9	100.0	0	.0	0	.0
Pine, Ponderosa	9	.0	0	.0	9	100.0	0	.0	0	.0
Hophornbeam	9	.0	0	.0	0	.0	0	.0	9	100.0
Redbud, Eastern	9	.0	0	.0	0	.0	9	100.0	0	.0
Misc. III	9	.0	0	.0	9	100.0	0	.0	0	.0
Willow, Weeping	9	.0	0	.0	9	100.0	0	.0	0	.0
Poplar species	9	.0	0	.0	9	100.0	0	.0	0	.0
Willow, White	9	.0	0	.0	0	.0	0	.0	9	100.0
TOTALS	24511	100.0	1332	5.4	12360	50.4	8672	35.4	2147	8.8

SIZE CLASS SUMMARY - North Arlington

SPECIES	TOTAL NO OF TREES	AVE. DIA.	SIZE CLASS 1-8 IN NO.	1-8 IN PCT	9-16 IN NO.	9-16 IN PCT	17-24 IN NO.	17-24 IN PCT	25-32 IN NO.	25-32 IN PCT	32+ IN NO.	32+ IN PCT
SECTION 1 - NORTH ARLINGTON												
Maple, Norway	2809	12.8	1052	37.5	1025	36.5	426	15.2	180	6.4	126	4.5
Oak, Red	614	26.4	18	2.9	81	13.2	135	22.0	199	32.4	181	29.5
Oak, Black	415	20.8	27	6.5	81	19.5	154	37.1	135	32.5	18	4.3
Cherry, Ornamental	343	7.3	262	76.4	54	15.7	27	7.9	0	.0	0	.0
Pine, White	334	11.7	163	48.8	108	32.3	9	2.7	45	13.5	9	2.7
Spruce species	333	12.5	126	37.8	126	37.8	54	16.2	9	2.7	18	5.4
Dogwood species	261	6.9	189	72.4	72	27.6	0	.0	0	.0	0	.0
Maple, Red	234	18.1	72	30.8	27	11.5	63	26.9	45	19.2	27	11.5
Arborvitae	225	7.5	144	64.0	81	36.0	0	.0	0	.0	0	.0
Ash, Green	216	13.3	54	25.0	108	50.0	36	16.7	9	4.2	9	4.2
Sycamore	207	19.7	0	.0	126	60.9	18	8.7	18	8.7	45	21.7
Crabapple species	198	10.5	63	31.8	117	59.1	18	9.1	0	.0	0	.0
Hemlock spp.	162	15.0	54	33.3	36	22.2	36	22.2	36	22.2	0	.0
Maple, Silver	144	24.3	18	12.5	36	25.0	0	.0	45	31.3	45	31.3
Mulberry species	135	8.4	90	66.7	36	26.7	0	.0	9	6.7	0	.0
Ash, White	117	8.8	63	53.8	45	38.5	9	7.7	0	.0	0	.0
Tree-of-Heavan	108	9.6	81	75.0	9	8.3	9	8.3	0	.0	9	8.3
Elm, American	99	9.6	54	54.5	27	27.3	18	18.2	0	.0	0	.0
Locust, Black	99	8.3	63	63.6	27	27.3	9	9.1	0	.0	0	.0
Maple, Sycamore	90	13.5	45	50.0	18	20.0	9	10.0	9	10.0	9	10.0
Birch, White	81	12.8	45	55.6	9	11.1	18	22.2	0	.0	9	11.1
Magnolia species	72	6.8	54	75.0	18	25.0	0	.0	0	.0	0	.0
Walnut species	54	13.8	27	50.0	9	16.7	0	.0	18	33.3	0	.0
Linden species	54	25.7	0	.0	9	16.7	9	16.7	27	50.0	9	16.7
Juniper species	54	5.0	54	100.0	0	.0	0	.0	0	.0	0	.0
Misc. IV	45	21.6	0	.0	9	20.0	18	40.0	18	40.0	0	.0
Mountain Ash species	45	6.4	36	80.0	9	20.0	0	.0	0	.0	0	.0
Maple, Sugar	45	25.2	0	.0	9	20.0	9	20.0	18	40.0	9	20.0
Maple, Japanese	36	8.5	18	50.0	18	50.0	0	.0	0	.0	0	.0
Apple, Fruiting	36	6.8	27	75.0	9	25.0	0	.0	0	.0	0	.0
Fruit, Other	36	8.5	18	50.0	18	50.0	0	.0	0	.0	0	.0
Oak, White	36	23.3	9	25.0	9	25.0	0	.0	0	.0	18	50.0
Ash, Black	27	15.0	9	33.3	9	33.3	0	.0	9	33.3	0	.0
Honeylocust	27	5.0	27	100.0	0	.0	0	.0	0	.0	0	.0
Misc. II	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Hackberry	18	20.0	0	.0	9	50.0	0	.0	9	50.0	0	.0
Birch, Grey	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Tuliptree	18	16.0	0	.0	9	50.0	9	50.0	0	.0	0	.0
Pear, Bradford	18	8.5	9	50.0	9	50.0	0	.0	0	.0	0	.0
Hickory species	9	12.0	0	.0	9	100.0	0	.0	0	.0	0	.0
Horsechestnut spp.	9	28.0	0	.0	0	.0	0	.0	9	100.0	0	.0
Beech Species	9	20.0	0	.0	0	.0	9	100.0	0	.0	0	.0
Misc. III	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Catalpa	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Poplar species	9	12.0	0	.0	9	100.0	0	.0	0	.0	0	.0
TOTALS	7935	13.9	3025	38.1	2420	30.5	1102	13.9	847	10.7	541	6.8

SIZE CLASS SUMMARY -South Arlington

SECTION 2 - SOUTH ARLINGTON

Maple, Norway	4837	12.7	2043	42.2	1334	27.6	962	19.9	308	6.4	190	3.9
Oak, Black	838	20.4	180	21.5	126	15.0	198	23.6	199	23.7	135	16.1
Hemlock spp.	706	9.3	344	48.7	308	43.6	45	6.4	9	1.3	0	.0
Arborvitae	688	6.8	544	79.1	126	18.3	9	1.3	9	1.3	0	.0
Cherry, Ornamental	378	7.0	288	76.2	72	19.0	18	4.8	0	.0	0	.0
Pine, White	370	13.5	145	39.2	126	34.1	36	9.7	36	9.7	27	7.3
Maple, Red	360	16.8	135	37.5	45	12.5	81	22.5	54	15.0	45	12.5
Spruce species	288	13.6	90	31.3	117	40.6	36	12.5	36	12.5	9	3.1
Ash, White	243	15.4	81	33.3	63	25.9	45	18.5	36	14.8	18	7.4
Oak, Red	243	20.6	54	22.2	27	11.1	72	29.6	45	18.5	45	18.5
Dogwood species	234	7.2	171	73.1	54	23.1	9	3.8	0	.0	0	.0
Crabapple species	198	8.5	108	54.5	81	40.9	9	4.5	0	.0	0	.0
Maple, Japanese	198	8.9	99	50.0	90	45.5	9	4.5	0	.0	0	.0
Ash, Green	189	9.6	108	57.1	63	33.3	9	4.8	0	.0	9	4.8
Walnut species	180	9.7	90	50.0	63	35.0	27	15.0	0	.0	0	.0
Maple, Silver	180	25.8	9	5.0	27	15.0	27	15.0	72	40.0	45	25.0
Cherry, Black	153	7.2	126	82.4	9	5.9	18	11.8	0	.0	0	.0
Linden species	153	19.1	9	5.9	27	17.6	90	58.8	27	17.6	0	.0
Elm, American	144	13.3	72	50.0	27	18.8	27	18.8	0	.0	18	12.5
Honeylocust	117	9.7	72	61.5	36	30.8	0	.0	0	.0	9	7.7
Misc. IV	117	11.8	45	38.5	36	30.8	36	30.8	0	.0	0	.0
Birch, Paper	99	6.9	72	72.7	27	27.3	0	.0	0	.0	0	.0
Mulberry species	81	9.8	36	44.4	36	44.4	9	11.1	0	.0	0	.0
Sycamore	72	13.1	9	12.5	54	75.0	0	.0	9	12.5	0	.0
Apple, Fruiting	72	11.3	18	25.0	45	62.5	9	12.5	0	.0	0	.0
Maple, Sugar	72	12.8	36	50.0	18	25.0	9	12.5	0	.0	9	12.5
Mountain Ash species	63	7.0	45	71.4	18	28.6	0	.0	0	.0	0	.0
Hickory species	54	12.3	18	33.3	18	33.3	18	33.3	0	.0	0	.0
Horsechestnut spp.	54	31.3	0	.0	0	.0	0	.0	36	66.7	18	33.3
Redcedar, Eastern	54	6.2	45	83.3	9	16.7	0	.0	0	.0	0	.0
Oak, White	54	24.0	18	33.3	0	.0	9	16.7	0	.0	27	50.0
Pear, Callery	36	12.3	9	25.0	18	50.0	9	25.0	0	.0	0	.0
Juniper species	27	7.3	18	66.7	9	33.3	0	.0	0	.0	0	.0
Oak, Pin	27	22.7	0	.0	0	.0	18	66.7	9	33.3	0	.0
Pear, Bradford	27	12.0	0	.0	27	100.0	0	.0	0	.0	0	.0
Sweetgum	27	12.7	18	66.7	0	.0	0	.0	9	33.3	0	.0
Elm, English	27	9.7	9	33.3	18	66.7	0	.0	0	.0	0	.0
Elm, Chinese	18	20.0	0	.0	9	50.0	0	.0	9	50.0	0	.0
Misc. II	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Beech Species	18	21.5	9	50.0	0	.0	0	.0	0	.0	9	50.0
Tuliptree	18	8.5	9	50.0	9	50.0	0	.0	0	.0	0	.0
Boxelder	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Fir, White	18	8.5	9	50.0	9	50.0	0	.0	0	.0	0	.0
Catalpa	18	33.0	0	.0	0	.0	0	.0	9	50.0	9	50.0
Hophornbeam	9	12.0	0	.0	9	100.0	0	.0	0	.0	0	.0
Fir species	9	20.0	0	.0	0	.0	9	100.0	0	.0	0	.0
Magnolia species	9	12.0	0	.0	9	100.0	0	.0	0	.0	0	.0
Larch species	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Willow, Weeping	9	38.0	0	.0	0	.0	0	.0	0	.0	9	100.0
Ginkgo	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Pine, Ponderosa	9	28.0	0	.0	0	.0	0	.0	9	100.0	0	.0
Fir, Balsam	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Willow, White	9	20.0	0	.0	0	.0	9	100.0	0	.0	0	.0
TOTALS	**11867**	**12.8**	**5254**	**44.3**	**3199**	**27.0**	**1862**	**15.7**	**921**	**7.8**	**631**	**5.3**

SIZE CLASS SUMMARY: Town-wide

SPECIES	TOTAL NO OF TREES	AVE. DIA.	SIZE CLASS 1-8 IN NO.	1-8 IN PCT	9-16 IN NO.	9-16 IN PCT	17-24 IN NO.	17-24 IN PCT	25-32 IN NO.	25-32 IN PCT	32+ IN NO.	32+ IN PCT
Maple, Norway	10002	12.9	3566	35.7	3475	34.7	2031	20.3	614	6.1	316	3.2
Oak, Black	1253	20.5	207	16.5	207	16.5	352	28.1	334	26.7	153	12.2
Hemlock spp.	1021	9.9	497	48.7	398	39.0	81	7.9	45	4.4	0	.0
Arborvitae	976	6.8	751	76.9	207	21.2	9	.9	9	.9	0	.0
Oak, Red	884	24.4	72	8.1	126	14.3	216	24.4	244	27.6	226	25.6
Cherry, Ornamental	838	7.1	640	76.4	153	18.3	45	5.4	0	.0	0	.0
Spruce species	747	12.0	324	43.4	243	32.5	108	14.5	45	6.0	27	3.6
Pine, White	722	12.6	308	42.7	252	34.9	45	6.2	81	11.2	36	5.0
Linden species	704	19.6	18	2.6	189	26.8	325	46.2	163	23.2	9	1.3
Maple, Red	693	15.9	279	40.3	90	13.0	153	22.1	99	14.3	72	10.4
Ash, Green	657	11.1	288	43.8	243	37.0	99	15.1	9	1.4	18	2.7
Dogwood species	639	7.0	468	73.2	162	25.4	9	1.4	0	.0	0	.0
Honeylocust	488	8.2	307	62.9	163	33.4	9	1.8	0	.0	9	1.8
Crabapple species	414	9.6	171	41.3	216	52.2	27	6.5	0	.0	0	.0
Ash, White	360	13.3	144	40.0	108	30.0	54	15.0	36	10.0	18	5.0
Maple, Silver	351	24.1	36	10.3	72	20.5	36	10.3	117	33.3	90	25.6
Sycamore	324	17.6	9	2.8	207	63.9	36	11.1	27	8.3	45	13.9
Walnut species	306	9.7	171	55.9	90	29.4	27	8.8	18	5.9	0	.0
Maple, Japanese	261	8.7	135	51.7	117	44.8	9	3.4	0	.0	0	.0
Elm, American	261	12.3	126	48.3	54	20.7	63	24.1	0	.0	18	6.9
Mulberry species	225	8.8	135	60.0	72	32.0	9	4.0	9	4.0	0	.0
Misc. IV	171	14.0	54	31.6	45	26.3	54	31.6	18	10.5	0	.0
Cherry, Black	153	7.2	126	82.4	9	5.9	18	11.8	0	.0	0	.0
Apple, Fruiting	126	9.1	63	50.0	54	42.9	9	7.1	0	.0	0	.0
Mountain Ash species	126	6.5	99	78.6	27	21.4	0	.0	0	.0	0	.0
Maple, Sycamore	126	19.1	45	35.7	18	14.3	9	7.1	27	21.4	27	21.4
Maple, Sugar	117	17.5	36	30.8	27	23.1	18	15.4	18	15.4	18	15.4
Tree-of-Heavan	108	9.6	81	75.0	9	8.3	9	8.3	0	.0	9	8.3
Magnolia species	99	7.5	63	63.6	36	36.4	0	.0	0	.0	0	.0
Birch, Paper	99	6.9	72	72.7	27	27.3	0	.0	0	.0	0	.0
Locust, Black	99	8.3	63	63.6	27	27.3	9	9.1	0	.0	0	.0
Oak, White	90	23.7	27	30.0	9	10.0	9	10.0	0	.0	45	50.0
Juniper species	81	5.8	72	88.9	9	11.1	0	.0	0	.0	0	.0
Birch, White	81	12.8	45	55.6	9	11.1	18	22.2	0	.0	9	11.1
Horsechestnut spp.	63	30.9	0	.0	0	.0	0	.0	45	71.4	18	28.6
Hickory species	63	12.3	18	28.6	27	42.9	18	28.6	0	.0	0	.0
Fir, Balsam	63	5.0	63	100.0	0	.0	0	.0	0	.0	0	.0
Redcedar, Eastern	54	6.2	45	83.3	9	16.7	0	.0	0	.0	0	.0
Pine, Scotch	45	5.0	45	100.0	0	.0	0	.0	0	.0	0	.0
Fruit, Other	45	7.8	27	60.0	18	40.0	0	.0	0	.0	0	.0
Pear, Bradford	45	10.6	9	20.0	36	80.0	0	.0	0	.0	0	.0
Misc. II	36	5.0	36	100.0	0	.0	0	.0	0	.0	0	.0
Pear, Callery	36	12.3	9	25.0	18	50.0	9	25.0	0	.0	0	.0
Beech Species	36	17.0	18	50.0	0	.0	9	25.0	0	.0	9	25.0
Catalpa	36	20.8	9	25.0	9	25.0	0	.0	9	25.0	9	25.0
Tuliptree	36	12.3	9	25.0	18	50.0	9	25.0	0	.0	0	.0
Birch, Grey	36	16.5	18	50.0	0	.0	0	.0	18	50.0	0	.0
Ash, Black	27	15.0	9	33.3	9	33.3	0	.0	9	33.3	0	.0
Sweetgum	27	12.7	18	66.7	0	.0	0	.0	9	33.3	0	.0
Elm, English	27	9.7	9	33.3	18	66.7	0	.0	0	.0	0	.0
Oak, Pin	27	22.7	0	.0	0	.0	18	66.7	9	33.3	0	.0
Fir, White	18	8.5	9	50.0	9	50.0	0	.0	0	.0	0	.0
Boxelder	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Hackberry	18	20.0	0	.0	9	50.0	0	.0	9	50.0	0	.0
Pine, Red	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Elm, Chinese	18	20.0	0	.0	9	50.0	0	.0	9	50.0	0	.0
Oak, Swamp White	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Fir species	9	20.0	0	.0	0	.0	9	100.0	0	.0	0	.0
Oak, Scarlet	9	20.0	0	.0	0	.0	9	100.0	0	.0	0	.0
Ginkgo	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Pine, Austrian	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Larch species	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Pine, Ponderosa	9	28.0	0	.0	0	.0	0	.0	9	100.0	0	.0
Hophornbeam	9	12.0	0	.0	9	100.0	0	.0	0	.0	0	.0
Redbud, Eastern	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Misc. III	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Willow, Weeping	9	38.0	0	.0	0	.0	0	.0	0	.0	9	100.0
Poplar species	9	12.0	0	.0	9	100.0	0	.0	0	.0	0	.0
Willow, White	9	20.0	0	.0	0	.0	9	100.0	0	.0	0	.0
TOTALS	24511	13.1	9939	40.5	7357	30.0	3986	16.3	2039	8.3	1190	4.9

SIZE CLASS SUMMARY -East Arlington

SECTION 3 - EAST ARLINGTON												
Maple, Norway	2356	13.6	471	20.0	1116	47.4	643	27.3	126	5.3	0	.0
Linden species	497	19.0	9	1.8	153	30.8	226	45.5	109	21.9	0	.0
Honeylocust	344	8.0	208	60.5	127	36.9	9	2.6	0	.0	0	.0
Ash, Green	252	10.2	126	50.0	72	28.6	54	21.4	0	.0	0	.0
Hemlock spp.	153	7.5	99	64.7	54	35.3	0	.0	0	.0	0	.0
Dogwood species	144	6.8	108	75.0	36	25.0	0	.0	0	.0	0	.0
Spruce species	126	7.1	108	85.7	0	.0	18	14.3	0	.0	0	.0
Cherry, Ornamental	117	6.6	90	76.9	27	23.1	0	.0	0	.0	0	.0
Maple, Red	99	7.6	72	72.7	18	18.2	9	9.1	0	.0	0	.0
Walnut species	72	6.8	54	75.0	18	25.0	0	.0	0	.0	0	.0
Arborvitae	63	5.0	63	100.0	0	.0	0	.0	0	.0	0	.0
Fir, Balsam	54	5.0	54	100.0	0	.0	0	.0	0	.0	0	.0
Pine, Scotch	45	5.0	45	100.0	0	.0	0	.0	0	.0	0	.0
Sycamore	45	15.2	0	.0	27	60.0	18	40.0	0	.0	0	.0
Maple, Sycamore	36	33.0	0	.0	0	.0	0	.0	18	50.0	18	50.0
Maple, Japanese	27	7.3	18	66.7	9	33.3	0	.0	0	.0	0	.0
Maple, Silver	27	12.3	9	33.3	9	33.3	9	33.3	0	.0	0	.0
Oak, Red	27	14.7	0	.0	18	66.7	9	33.3	0	.0	0	.0
Magnolia species	18	8.5	9	50.0	9	50.0	0	.0	0	.0	0	.0
Pine, White	18	12.0	0	.0	18	100.0	0	.0	0	.0	0	.0
Birch, Grey	18	28.0	0	.0	0	.0	0	.0	18	100.0	0	.0
Crabapple species	18	12.0	0	.0	18	100.0	0	.0	0	.0	0	.0
Apple, Fruiting	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Mountain Ash species	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Pine, Red	18	5.0	18	100.0	0	.0	0	.0	0	.0	0	.0
Elm, American	18	20.0	0	.0	0	.0	18	100.0	0	.0	0	.0
Pine, Austrian	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Beech Species	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Catalpa	9	12.0	0	.0	9	100.0	0	.0	0	.0	0	.0
Oak, Scarlet	9	20.0	0	.0	0	.0	9	100.0	0	.0	0	.0
Oak, Swamp White	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Fruit, Other	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Redbud, Eastern	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Misc. IV	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
Mulberry species	9	5.0	9	100.0	0	.0	0	.0	0	.0	0	.0
TOTALS	**4709**	**12.3**	**1660**	**35.3**	**1738**	**36.9**	**1022**	**21.7**	**271**	**5.8**	**18**	**.4**

SPECIES COMPOSITION LIST & VALUE - North Arlington

DESIRABILITY CLASS	TOTAL NO OF TREES	PCT OF TOTAL TREES	AVE. DIA. (IN.)	CONDITION CLASSES PERCENT OF CLASS TOTALS EXCEL.	GOOD	FAIR	POOR	VALUE $1000
CLASS I								
Oak, Red	614	7.7	26.4	2.9	64.8	26.4	5.9	6396
Arborvitae	225	2.8	7.5	4.0	32.0	64.0	.0	160
Hemlock spp.	162	2.0	15.0	5.6	83.3	5.6	5.6	723
Maple, Sugar	45	.6	25.2	.0	80.0	.0	20.0	397
Oak, White	36	.5	23.3	.0	75.0	25.0	.0	338
TOTALS	**1082**	**13.6**	**20.6**	**3.3**	**61.7**	**29.9**	**5.0**	**8014**
CLASS II								
Maple, Norway	2809	35.4	12.8	.3	55.5	30.9	13.2	5705
Oak, Black	415	5.2	20.8	.0	63.1	34.7	2.2	2177
Cherry, Ornamental	343	4.3	7.3	10.5	42.3	28.9	18.4	195
Pine, White	334	4.2	11.7	.0	70.4	21.6	8.1	798
Spruce species	333	4.2	12.5	24.3	43.2	27.0	5.4	879
Dogwood species	261	3.3	6.9	17.2	44.8	27.6	10.3	153
Maple, Red	234	2.9	18.1	7.7	46.2	30.8	15.4	1064
Ash, Green	216	2.7	13.3	4.2	58.3	37.5	.0	485
Sycamore	207	2.6	19.7	.0	39.1	60.9	.0	1001
Crabapple species	198	2.5	10.5	9.1	18.2	59.1	13.6	208
Elm, American	99	1.2	9.6	.0	63.6	36.4	.0	132
Maple, Sycamore	90	1.1	13.5	10.0	10.0	70.0	10.0	222
Walnut species	54	.7	13.8	.0	100.0	.0	.0	190
Linden species	54	.7	25.7	16.7	50.0	33.3	.0	496
Mountain Ash species	45	.6	6.4	.0	40.0	40.0	20.0	12
Honeylocust	27	.3	5.0	.0	100.0	.0	.0	6
Misc. II	18	.2	5.0	.0	100.0	.0	.0	5
Tuliptree	18	.2	16.0	.0	50.0	.0	50.0	27
Hickory species	9	.1	12.0	100.0	.0	.0	.0	20
Beech Species	9	.1	20.0	.0	100.0	.0	.0	42
TOTALS	**5773**	**72.8**	**13.1**	**4.2**	**52.8**	**32.5**	**10.5**	**13817**
CLASS III								
Mulberry species	135	1.7	8.4	.0	40.0	53.3	6.7	91
Ash, White	117	1.5	8.8	7.7	76.9	7.7	7.7	90
Locust, Black	99	1.2	8.3	.0	81.8	18.2	.0	75
Birch, White	81	1.0	12.8	11.1	66.7	22.2	.0	166
Magnolia species	72	.9	6.8	50.0	37.5	.0	12.5	35
Juniper species	54	.7	5.0	.0	83.3	16.7	.0	11
Maple, Japanese	36	.5	8.5	50.0	50.0	.0	.0	30
Apple, Fruiting	36	.5	6.8	.0	75.0	25.0	.0	16
Fruit, Other	36	.5	8.5	.0	50.0	25.0	25.0	17
Ash, Black	27	.3	15.0	.0	33.3	33.3	33.3	66
Hackberry	18	.2	20.0	.0	100.0	.0	.0	73
Birch, Grey	18	.2	5.0	50.0	.0	50.0	.0	3
Pear, Bradford	18	.2	8.5	.0	100.0	.0	.0	13
Horsechestnut spp.	9	.1	28.0	.0	100.0	.0	.0	62
Misc. III	9	.1	5.0	.0	100.0	.0	.0	2
Catalpa	9	.1	5.0	.0	100.0	.0	.0	2
TOTALS	**774**	**9.8**	**9.0**	**10.5**	**62.8**	**20.9**	**5.8**	**752**
CLASS IV								
Maple, Silver	144	1.8	24.3	.0	62.5	31.3	6.3	508
Tree-of-Heavan	108	1.4	9.6	.0	75.0	25.0	.0	87
Misc. IV	45	.6	21.6	20.0	80.0	.0	.0	135
Poplar species	9	.1	12.0	.0	100.0	.0	.0	7
TOTALS	**306**	**3.9**	**18.3**	**2.9**	**70.6**	**23.5**	**2.9**	**737**
TOTALS	**7935**	**100.0**	**13.9**	**4.7**	**55.7**	**30.7**	**9.0**	**23320**

SPECIES COMPOSITION LIST & VALUE - South Arlington

CLASS I								
Hemlock spp.	706	5.9	9.3	6.4	51.4	32.0	10.2	1033
Arborvitae	688	5.8	6.8	1.3	58.0	34.2	6.5	514
Oak, Red	243	2.0	20.6	3.7	51.9	40.7	3.7	1751
Maple, Sugar	72	.6	12.8	12.5	87.5	.0	.0	315
Oak, White	54	.5	24.0	.0	66.7	.0	33.3	632
Oak, Pin	27	.2	22.7	.0	.0	100.0	.0	135
Elm, English	27	.2	9.7	.0	33.3	66.7	.0	27
Ginkgo	9	.1	5.0	100.0	.0	.0	.0	4
TOTALS	**1826**	**15.4**	**10.6**	**4.4**	**54.5**	**33.1**	**7.9**	**4411**
CLASS II								
Maple, Norway	4837	40.8	12.7	.4	30.4	59.9	9.4	10487
Oak, Black	838	7.1	20.4	.0	36.5	49.5	14.0	4027
Cherry, Ornamental	378	3.2	7.0	11.9	59.5	19.0	9.5	251
Pine, White	370	3.1	13.5	4.9	56.2	38.9	.0	1022
Maple, Red	360	3.0	16.8	5.0	50.0	40.0	5.0	1584
Spruce species	288	2.4	13.6	3.1	53.1	37.5	6.3	731
Dogwood species	234	2.0	7.2	26.9	53.8	15.4	3.8	187
Crabapple species	198	1.7	8.5	4.5	40.9	45.5	9.1	160
Ash, Green	189	1.6	9.6	19.0	61.9	19.0	.0	263
Walnut species	180	1.5	9.7	5.0	75.0	20.0	.0	253
Linden species	153	1.3	19.1	.0	64.7	29.4	5.9	644
Elm, American	144	1.2	13.3	.0	62.5	25.0	12.5	465
Honeylocust	117	1.0	9.7	7.7	84.6	7.7	.0	235
Birch, Paper	99	.8	6.9	36.4	54.5	9.1	.0	71
Sycamore	72	.6	13.1	50.0	37.5	.0	12.5	196
Mountain Ash species	63	.5	7.0	14.3	42.9	42.9	.0	35
Hickory species	54	.5	12.3	.0	50.0	50.0	.0	111
Pear, Callery	36	.3	12.3	.0	75.0	.0	25.0	63
Sweetgum	27	.2	12.7	33.3	66.7	.0	.0	88
Elm, Chinese	18	.2	20.0	.0	100.0	.0	.0	98
Misc. II	18	.2	5.0	.0	100.0	.0	.0	5
Beech Species	18	.2	21.5	.0	50.0	50.0	.0	101
Tuliptree	18	.2	8.5	.0	100.0	.0	.0	17
Fir, White	18	.2	8.5	50.0	50.0	.0	.0	18
Fir species	9	.1	20.0	.0	100.0	.0	.0	42
Larch species	9	.1	5.0	.0	100.0	.0	.0	2
TOTALS	**8745**	**73.7**	**13.0**	**3.8**	**40.7**	**47.3**	**8.2**	**21156**
CLASS III								
Ash, White	243	2.0	15.4	3.7	18.5	51.9	25.9	472
Maple, Japanese	198	1.7	8.9	63.6	36.4	.0	.0	202
Cherry, Black	153	1.3	7.2	.0	35.3	41.2	23.5	73
Mulberry species	81	.7	9.8	.0	66.7	33.3	.0	76
Apple, Fruiting	72	.6	11.3	12.5	75.0	12.5	.0	92
Horsechestnut spp.	54	.5	31.3	.0	.0	33.3	66.7	200
Redcedar, Eastern	54	.5	6.2	.0	16.7	33.3	50.0	14
Juniper species	27	.2	7.3	33.3	66.7	.0	.0	15
Pear, Bradford	27	.2	12.0	.0	100.0	.0	.0	34
Catalpa	18	.2	33.0	.0	50.0	.0	50.0	132
Hophornbeam	9	.1	12.0	.0	.0	.0	100.0	3
Magnolia species	9	.1	12.0	.0	100.0	.0	.0	11
Willow, Weeping	9	.1	38.0	.0	100.0	.0	.0	115
Pine, Ponderosa	9	.1	28.0	.0	100.0	.0	.0	62
Fir, Balsam	9	.1	5.0	100.0	.0	.0	.0	2
TOTALS	**972**	**8.2**	**12.6**	**16.7**	**38.0**	**26.9**	**18.5**	**1503**
CLASS IV								
Maple, Silver	180	1.5	25.8	.0	85.0	10.0	5.0	743
Misc. IV	117	1.0	11.8	.0	23.1	46.2	30.8	74
Boxelder	18	.2	5.0	.0	50.0	.0	50.0	1
Willow, White	9	.1	20.0	.0	.0	.0	100.0	6
TOTALS	**324**	**2.7**	**19.4**	**.0**	**58.3**	**22.2**	**19.4**	**824**
TOTALS	**11867**	**100.0**	**12.8**	**4.9**	**43.1**	**42.8**	**9.3**	**27894**

SPECIES COMPOSITION LIST & VALUE - East Arlington

CLASS I								
Hemlock spp.	153	3.2	7.5	47.1	52.9	.0	.0	161
Arborvitae	63	1.3	5.0	.0	100.0	.0	.0	23
Oak, Red	27	.6	14.7	33.3	66.7	.0	.0	98
TOTALS	**243**	**5.2**	**7.6**	**33.3**	**66.7**	**.0**	**.0**	**282**
CLASS II								
Maple, Norway	2356	50.0	13.6	2.7	51.2	37.0	9.2	5049
Linden species	497	10.6	19.0	.0	71.0	21.7	7.2	2140
Honeylocust	344	7.3	8.0	.0	92.2	7.8	.0	311
Ash, Green	252	5.4	10.2	25.0	57.1	14.3	3.6	394
Dogwood species	144	3.1	6.8	12.5	43.8	37.5	6.3	79
Spruce species	126	2.7	7.1	.0	92.9	.0	7.1	113
Cherry, Ornamental	117	2.5	6.6	15.4	46.2	23.1	15.4	41
Maple, Red	99	2.1	7.6	9.1	63.6	9.1	18.2	78
Walnut species	72	1.5	6.8	12.5	87.5	.0	.0	46
Pine, Scotch	45	1.0	5.0	.0	80.0	.0	20.0	10
Sycamore	45	1.0	15.2	20.0	80.0	.0	.0	135
Maple, Sycamore	36	.8	33.0	.0	100.0	.0	.0	475
Pine, White	18	.4	12.0	100.0	.0	.0	.0	41
Crabapple species	18	.4	12.0	.0	.0	50.0	50.0	13
Mountain Ash species	18	.4	5.0	.0	100.0	.0	.0	5
Elm, American	18	.4	20.0	.0	100.0	.0	.0	85
Pine, Austrian	9	.2	5.0	100.0	.0	.0	.0	3
Beech Species	9	.2	5.0	.0	100.0	.0	.0	2
Oak, Scarlet	9	.2	20.0	.0	100.0	.0	.0	42
Oak, Swamp White	9	.2	5.0	100.0	.0	.0	.0	3
TOTALS	**4241**	**90.1**	**12.8**	**5.3**	**59.9**	**26.9**	**7.9**	**9065**
CLASS III								
Fir, Balsam	54	1.1	5.0	.0	100.0	.0	.0	12
Maple, Japanese	27	.6	7.3	66.7	33.3	.0	.0	16
Magnolia species	18	.4	8.5	50.0	50.0	.0	.0	17
Birch, Grey	18	.4	28.0	100.0	.0	.0	.0	170
Apple, Fruiting	18	.4	5.0	100.0	.0	.0	.0	5
Pine, Red	18	.4	5.0	.0	100.0	.0	.0	4
Catalpa	9	.2	12.0	.0	100.0	.0	.0	11
Fruit, Other	9	.2	5.0	.0	100.0	.0	.0	2
Redbud, Eastern	9	.2	5.0	.0	.0	100.0	.0	1
Mulberry species	9	.2	5.0	.0	100.0	.0	.0	2
TOTALS	**189**	**4.0**	**8.2**	**33.3**	**61.9**	**4.8**	**.0**	**240**
CLASS IV								
Maple, Silver	27	.6	12.3	33.3	33.3	33.3	.0	24
Misc. IV	9	.2	5.0	100.0	.0	.0	.0	1
TOTALS	**36**	**.8**	**10.5**	**50.0**	**25.0**	**25.0**	**.0**	**25**
TOTALS	**4709**	**100.0**	**12.3**	**8.2**	**60.1**	**24.6**	**7.1**	**9612**

DESIRABILITY CLASS AND VALUE SUMMARY: Town-

DESIRABILITY CLASS	TOTAL NO OF TREES	PCT OF TOTAL TREES	VALUE $1000
CLASS I			
Hemlock spp.	1021	4.2	1917
Arborvitae	976	4.0	697
Oak, Red	884	3.6	8245
Maple, Sugar	117	.5	712
Oak, White	90	.4	970
Elm, English	27	.1	27
Oak, Pin	27	.1	135
Ginkgo	9	.0	4
TOTALS	**3151**	**12.9**	**12707**
CLASS II			
Maple, Norway	10002	40.8	21241
Oak, Black	1253	5.1	6204
Cherry, Ornamental	838	3.4	487
Spruce species	747	3.0	1723
Pine, White	722	2.9	1861
Linden species	704	2.9	3280
Maple, Red	693	2.8	2726
Ash, Green	657	2.7	1142
Dogwood species	639	2.6	419
Honeylocust	488	2.0	552
Crabapple species	414	1.7	381
Sycamore	324	1.3	1332
Walnut species	306	1.2	489
Elm, American	261	1.1	682
Mountain Ash species	126	.5	52
Maple, Sycamore	126	.5	697
Birch, Paper	99	.4	71
Hickory species	63	.3	131
Pine, Scotch	45	.2	10
Misc. II	36	.1	10
Pear, Callery	36	.1	63
Beech Species	36	.1	145
Tuliptree	36	.1	44
Sweetgum	27	.1	88
Fir, White	18	.1	18
Elm, Chinese	18	.1	98
Oak, Swamp White	9	.0	3
Fir species	9	.0	42
Oak, Scarlet	9	.0	42
Pine, Austrian	9	.0	3
Larch species	9	.0	2
TOTALS	**18759**	**76.5**	**44038**
CLASS III			
Ash, White	360	1.5	562
Maple, Japanese	261	1.1	248
Mulberry species	225	.9	169
Cherry, Black	153	.6	73
Apple, Fruiting	126	.5	113
Magnolia species	99	.4	63
Locust, Black	99	.4	75
Juniper species	81	.3	26
Birch, White	81	.3	166
Horsechestnut spp.	63	.3	262
Fir, Balsam	63	.3	14
Redcedar, Eastern	54	.2	14
Fruit, Other	45	.2	19
Pear, Bradford	45	.2	47
Catalpa	36	.1	145
Birch, Grey	36	.1	173
Ash, Black	27	.1	66
Hackberry	18	.1	73
Pine, Red	18	.1	4
Pine, Ponderosa	9	.0	62
Hophornbeam	9	.0	3
Redbud, Eastern	9	.0	1
Misc. III	9	.0	2
Willow, Weeping	9	.0	115
TOTALS	**1935**	**7.9**	**2495**
CLASS IV			
Maple, Silver	351	1.4	1275
Misc. IV	171	.7	210
Tree-of-Heavan	108	.4	87
Boxelder	18	.1	1
Poplar species	9	.0	7
Willow, White	9	.0	6
TOTALS	**666**	**2.7**	**1586**
TOTALS	**24511**	**100.0**	**60826**

$60 million!