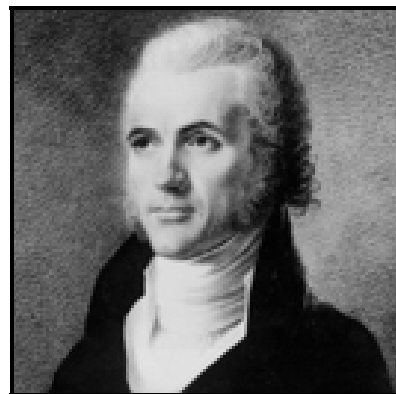




**THE UNIVERSITY OF NORTH CAROLINA
AT
CHAPEL HILL**



**TASK FORCE
ON
LANDSCAPE HERITAGE & PLANT DIVERSITY
2nd EDITION**

**APPROVED BY THE CHANCELLORS BUILDINGS AND GROUNDS COMMITTEE
February, 2005**

This report is the product of a more than one-year-long effort from concerned members of the University of North Carolina community to ensure that the culturally, historically, and ecologically significant trees and landscaped spaces of the Chapel Hill campus are preserved and maintained in a manner befitting their beauty and grandeur.

At the time of this writing, Carolina is in the middle of the most significant building and renovation period in its history. Such a program poses many significant challenges to the survival and well-being of our cherished trees and landscapes. This report attempts to identify, promote awareness, and provide guidelines for both the protection and enhancement of the grounds of the University of North Carolina at Chapel Hill.

Furthermore, this report is intended to work within the framework of two earlier documents that help guide development of the campus: the *2002 UNC Master Plan* and the *1997 Report of the Chancellor's Task Force on Intellectual Climate at UNC*. We hope that members of the university community as well as outside consultants and contractors will find this information both useful and pertinent.

The Taskforce on Landscape Heritage and Plant Diversity

This report is the product of a more than one-year-long effort from concerned members of the University of North Carolina community to ensure that the culturally, historically, and ecologically significant trees and landscaped spaces of the Chapel Hill campus are preserved and maintained in a manner befitting their beauty and grandeur.

At the time of this writing, Carolina is in the middle of the most significant building and renovation period in its history. Such a program poses many significant challenges to the survival and well-being of our cherished trees and landscapes. This report attempts to identify, promote awareness, and provide guidelines for both the protection and enhancement of the grounds of the University of North Carolina at Chapel Hill.

Furthermore, this report is intended to work within the framework of two earlier documents that help guide development of the campus: the *2002 UNC Master Plan* and the *1997 Report of the Chancellor's Task Force on Intellectual Climate at UNC*. We hope that members of the university community as well as outside consultants and contractors will find this information both useful and pertinent.

The Taskforce on Landscape Heritage and Plant Diversity

TABLE OF CONTENTS

INTRODUCTION

SECTION ONE

I.	CHARGE TO THE TASK FORCE.....	1-2
II.	TASK FORCE RECOMMENDATIONS.....	1-3
III.	WHO SHOULD USE THE REPORT.....	1-5
IV.	UNIQUE CHARACTER OF CAROLINA'S HISTORIC CAMPUS LANDSCAPE	1-6
V.	A VISION FOR THE PRESENT AND FUTURE CAMPUS LANDSCAPE	1-11

SECTION TWO

I.	DEFINITIONS.....	2-1
	A. Heritage Trees	
	B. Landmark Spaces	
	C. Designated Officials	
II.	DESIGNATION CRITERIA AND PROCESS.....	2-2
	A. Criteria	
	B. Process	
III.	PROTECTION MEASURES FOR HERITAGE TREES AND LANDMARK SPACES	2-2
IV.	REMOVAL PROCESS FOR HERITAGE TREES AND LANDMARK SPACES	2-3
V.	APPENDICES.....	2-4
	A. Heritage Tree Form.....	2-5
	B. Heritage Tree List and Maps.....	2-6
	C. Landmark Spaces.....	2-32
	D. Significant Trees.....	2-43
	E. Significant Landscapes.....	2-44
	F. Plant Collections.....	2-44
	G. List of Future Projects.....	2-49

SECTION THREE

I.	WHO SHOULD USE THESE GUIDELINES.....	3-1
II.	THE GOAL OF THE GUIDELINES.....	3-1
III.	OVERALL CAMPUS LANDSCAPE OBJECTIVES.....	3-2
IV.	CAMPUS LANDSCAPE DESIGN GUIDELINES.....	3-4
	A. Plan Submittals	
	B. Construction Coordination	
	C. Cost Estimates	
	D. Surveys	
	E. Utility Impacts	
	F. Tree Protection Plan	
	G. Pedestrian Circulation Plan	
V.	PLANTING GUIDELINES.....	3-5
VI.	HARDSCAPE GUIDELINES.....	3-6
	A. Streetscapes	
	B. Parking Lots	
	C. Sitting Areas and Seat Walls	
VII.	WAY-FINDING.....	3-7
VIII.	STORMWATER.....	3-8
IX.	LANDSCAPE CHARACTERISTICS AND GUIDELINES SPECIFIC TO THE THREE DISTRICTS: NORTH, SOUTHWEST, AND SOUTHEAST	3-8
X.	RECOMMENDATIONS FOR LANDSCAPE DESIGNERS WHEN WORKING IN EACH DISTRICT	3-9
	A. North Campus District.....	3-9
	B. Southwest Campus District.....	3-11
	C. Southeast Campus District.....	3-15

XI.	APPENDICES.....	3-19
	A. Broadleaf Evergreens.....	3-20
	B. Deciduous Native Shrubs.....	3-33
	C. Deciduous Non-Native Shrubs.....	3-40
	D. Deciduous Trees.....	3-45
	E. Evergreen Trees.....	3-51
	F. Invasive Plants.....	3-54

INTRODUCTION

TASKFORCE ON LANDSCAPE HERITAGE AND PLANT DIVERSITY

“North Carolina and the world beyond have changed since this tree [the Davie Poplar] was planted by nature. Once we could rely on nature to make the world green; now humans must take a role in caring for the earth. We plant trees for shade, for education, for economic value, for conservation, for clean air and deep soil, and for beauty. Universities exist in part to help society find the balance between our planet’s spectacular natural diversity and human use.”

– Dr. Peter White, NC Botanical Garden director, in an address on the Davie Poplar at the University’s bicentennial celebration, Oct. 11, 1993, as Davie Poplar seedlings were distributed to schoolchildren from all 100 North Carolina counties



The Davie Poplar in McCorkle Place

I. CHARGE TO THE TASK FORCE

In February 2003, Chancellor James Moeser appointed a task force to devise guidelines for preserving the signature appearance and great beauty of the Carolina campus landscape. His charge: “This Task Force will devise criteria and guidelines for the preservation, protection, and development of Carolina’s landscape plantings, which will be presented for adoption to the Buildings and Grounds Committee and thereafter monitored for compliance by this committee as well as by designated University employees.”

The need for landscape guidelines was acute. The task force received its charge just as a campus construction program of unprecedented size also got its start. Other factors included:

- The Campus Master Plan had been completed and approved in 2001; it called for the addition of 9.9 million square feet in new buildings (including parking structures, but not of demolitions).
- The citizens of North Carolina had approved, in 2000, a bond referendum that would pump \$510 million in construction funds into Carolina’s building program.
- No formal procedures or requirements were in place for identifying and safeguarding historic trees before new buildings were sited and designed.

For many University employees, the prospect of losing more trees on a historic, 200-year-old campus was deeply disturbing. Carolina’s trees are beautiful in themselves, and the groves of trees that grace our campus help create the unique appearance of Carolina—an image that is recognized nationwide and that constitutes one of our most potent tools for recruiting excellent faculty, staff, and students. For already concerned employees, distress grew when they saw beautiful, long-lived trees damaged or killed by construction work. Thus, a group of employees came together in the fall of 2002 to seek systematic solutions to these problems. This group, with the addition of two students, was subsequently appointed by the chancellor as a formal task force.

The guidelines, inventories, descriptions, and lists contained in this report will enable all levels of decision-makers at Carolina:

- To identify the heritage trees and groves, significant trees and landscapes, and landmark spaces.
- To guide the siting of new buildings *before* designs are approved.
- To help ensure sound design of new and renovated landscapes.
- To protect significant existing trees and shrubs during construction.

II. TASK FORCE RECOMMENDATIONS

Our nine main recommendations follow. More detailed recommendations can be found within each section of the report.

1. The Buildings and Grounds Committee should adopt the inventories, lists, and guidelines that comprise this report. The guiding principle of this report is preservation of campus trees—and when preservation is not possible, reforestation.
2. Trees lost to new building construction, building renovations, road improvement projects, additional parking spaces, and utility projects should be replaced by the planting of new trees somewhere on campus on the following basis: every inch of tree caliper that a project removes will be put back; however, the tree species need not be the same. Thus, if a 20-inch sweet gum is removed, it may be replaced by ten 2-inch red oaks (or a mix of species) planted at sites on campus to be determined by the University arborist. The exception: where new construction will take out all or a part of a remnant forest tract (e.g., Baity Hill), the replacement requirement will be negotiated.
3. Facilities Planning should provide a link to the task force report's landscape guidelines (on-line and in print) and expect outside landscape designers to follow the guidelines and use the lists.
4. University decision-makers and the Buildings and Grounds Committee should regularly request updates of the inventory of Carolina's heritage trees and landmark spaces in future years. Once this report is accepted, the inventory, plant lists, and guidelines for designers should not be considered finished and then filed away forever. Landscapes are living places that must be understood and cared for as they change over time. The University arborist will be responsible for updating the lists.
5. The University should establish an informal landscape advisory group that will report directly to the Facilities Planning landscape architect and University arborist. This committee will act as the eyes and ears of the professional landscape staff and will meet annually to update the future landscape projects list, make recommendations for additional heritage trees, and alert staff to any issues concerning the health of any plants on campus. The committee membership will be composed of representatives determined by the Facilities Planning landscape architect and the University arborist. The Facilities Planning landscape architect and University arborist will give a report to the Chancellor's Buildings and Grounds Committee once a year on the findings of the committee.
6. The University should post this task force report on the UNC-Chapel Hill Facilities Planning and Construction web site and take measures to educate the campus community and visitors on the value of our historic landscape. We should use the Internet, University Gazette, maps and brochures (e.g., for tree tours), and orientation materials for every new employee and every new student.
7. The University should create a position for a tree warden, who will be part of the Grounds Division and whose most urgent responsibility will be to enforce tree protection measures during construction and during maintenance of utilities and road improvement projects. The tree warden should also monitor the activity of delivery vehicles to prevent their being parked on the roots of our campus trees.
8. The University should maintain the positions of employees who oversee landscape plans, including (but not limited to) the landscape architect, University arborist, grounds landscape supervisor, campus storm water manager, environmental specialist

for site sedimentation and erosion control, and the University historic-preservation officer.

9. University employees with direct responsibility for campus trees and for landscape design and maintenance (such as the arborist, landscape architect, and grounds landscape supervisor) should receive adequate financial support from the University to attend professional meetings, workshops, and classes and thereby remain up to date on University landscape design and care.

III. WHO SHOULD USE THIS REPORT

This report should guide all phases of design review for construction projects at Carolina, including utilities and road improvement projects.

- This report should be used by the University's architects and designers and by the Buildings and Grounds Committee to ensure that historic trees, groves, and landmark spaces are protected.
- Outside landscape designers should adhere to the report's guidelines and should refer to the plant lists.
- The list of future projects should guide Carolina decision-makers in setting priorities for areas of the campus landscape now in need of repair.
- Facilities maintenance personnel and contractors must also follow these guidelines.
- Finally, this report can be used by anyone seeking an understanding of what our historic campus landscape means and why it is so valuable.



McCorkle Place

IV. UNIQUE CHARACTER OF CAROLINA'S HISTORIC CAMPUS LANDSCAPE.

The beauty of Carolina's historic landscape strikes visitors from the moment they set foot on campus. Our campus landscape has been tended and loved for 200 years. Remarkably, its principal feature has survived from the 18th century to the 21st: mature individual trees in a parklike setting, along with many scattered tracts of remnant forest. Carolina's large trees are so commanding that the landscape is an equal partner with campus buildings in creating UNC's signature appearance. Trees affect the University campus in a variety of ways:

- Trees reduce the perceived scale of campus buildings, and they unite buildings of diverse architectural styles into a unified whole.
- Trees help create an atmosphere on campus of permanence, calm, closeness to nature, and separation from the frenzied outside world. Large old trees connect us to the University's past. (A few trees on McCorkle Place even predate European settlement of Orange County.)
- Trees have enormous practical value—they provide our outdoor rooms. Our campus trees cast shade, enabling students, faculty, and staff to enjoy being outside in spring, summer, and fall—for classes meeting on the quad, for individual students doing assignments in art or field biology classes, for colleagues holding informal meetings, and for everyone engaging in reading, studying, or eating lunch on a bench or rock wall.

Carolina's trees were recognized as something special from the earliest days of the University—in fact, the University and its trees were once almost synonymous. In 1805, when Carolina had been open for only ten years, the board of trustees ordered the University steward to hire someone “to trim the trees in the Grove . . . in a proper and judicious manner.”

“The Grove” was the 19th-century name for the original quadrangle that we now call McCorkle Place. In effect, “the Grove” *was* the University of North Carolina campus. In 1825 professor Elisha Mitchell recommended planting oaks to replace those that were dying on the quad, just as we do today after a hurricane or ice storm. (In his journal, he enumerated six species of oaks he had observed then growing in the Grove.)

Even outsiders recognized the striking beauty of our campus trees. In 1843, the *Boston Recorder* published this fulsome description of the University of North Carolina by W. D. Williamson, an historian, later governor of Maine: “On all sides stand numbers of lofty spreading oaks, ornaments of nature's producing, which rise as sylvan bowers beneath a summer's sun and form something like battlements to the attacks of tempests.”

In our own time, visitors still look at our campus and see trees. Garrison Keillor broadcast “A Prairie Home Companion” from Carmichael Auditorium in 1996 and described our town and campus thus: “This is forest country down here.

Beautiful trees all around. These are woodland people down here.” Trees cast a powerful spell over Carolina’s students, staff, faculty, alumni, and visitors. Robert House, the former chancellor, said it best: “My first impression of Chapel Hill was trees. My last impression is trees.”

In addition to campus trees, a unique combination of elements contributes to Carolina’s signature appearance.

- **Hilltop setting, sheltering woods:** A little more than a decade after the end of the Revolutionary War, Carolina and the village of Chapel Hill were carved out of the forest on a rocky hilltop rising sharply above the surrounding countryside. The campus and town sit high. When travelers reach the top of the hill, they know they’ve reached a real destination. Topography and the surrounding forest set the place apart.

In *Look Homeward, Angel*, Thomas Wolfe described his fictional version of the University thus: “The central campus sloped back and up over a broad area of rich turf, groved with magnificent ancient trees. . . . There was still a good flavor of the wilderness about the place—one felt its remoteness, its isolated charm.” Remnants of the original hilltop forest—a mature Southeastern deciduous forest—were the signature of this campus when Wolfe was an undergraduate, and they are still its signature today. Battle Park and the Coker Pinetum still buffer the University (both physically and symbolically) from the urbanized world to the east. And the original forest still exists in significant pockets here and there on campus (around Kenan Stadium, at the campus entrance on South Road, in Coker Woods also on South Road, and on Manning Drive around the water tower and at the southeast corner of the hospital).

These remnant forest tracts are taken for granted—in fact, they are not even consciously noticed by most of us. Only when they are partly whittled away or completely removed do faculty, staff, and students realize their extremely important contribution to our campus landscape. The forest is our defining feature.



McCorkle Place

- **Natural slopes, pedestrian-determined pathways, bricked walks:** The hilltop campus was never bulldozed flat—as is the site of a contemporary office park or shopping center, or for that matter, a campus built from the ground up in one go, like Duke University. Carolina’s two oldest quadrangles from Franklin Street to South Building and from South Building to Wilson Library gently rise and then fall again.

The area has a rich network of pedestrian paths. Some paths follow straight courses and meet at right angles, as you would expect on a quadrangle, but many other paths cut diagonally or irregularly across the quads. These paths were cut over many years by the feet of pedestrians on the shortest route from here to there; they were then accepted as official paths and eventually paved with brick.

It is significant that the network of campus walkways was not designed by outsiders and then imposed on pedestrians; rather, campus pedestrians created their own preferred paths. Until 50 years ago, the campus walks were covered with grit. Brick paving replaced grit and became the most recent signature element in our campus landscape.



Brick Walk in McCorkle Place

- **Rock walls:** The walls of native stone at the campus boundaries were first laid for a practical purpose—to keep out wandering cattle, sheep, and hogs that regularly entered through wood fences that were forever in need of repair.

Wall building was started in 1838 by professor Elisha Mitchell with a crew of slaves, according to campus historian Archibald Henderson. Mitchell, a New Englander, remembered the stone fences of home. The rock walls that he helped construct over the next six years are still being copied in town and on campus today, more than 160 years later.

Campus walls are now used most often for sitting, but they also convey a powerful message—that the University is a place set apart for teaching, learning, free inquiry, and spirited debate. Campus walls may have a special resonance for some alumni, who remember the notorious speaker ban law of the 1960s and the famous image of the students who defied the NC legislature when they stood on the campus side of the Franklin Street wall to listen to a banned speaker address them from the sidewalk on the town side of the wall—four feet away. Ultimately, the speaker ban was overturned as unconstitutional. The rock walls remain, upholding a boundary that tells us who we are and where we work.



Wall and Steps at Memorial Hall

- **Campus beautification, gardens as teaching tools, and the tradition of great gardeners:** In 1843 President Swain wrote to a prominent alumnus about the University’s hopes to establish a “Botanical garden and pattern [model] farm.” In 1848 President Swain hired a landscape gardener to carry out the improvement of the grounds. A New York architect, Alexander Jackson Davis, who was hired by Swain to design Smith Hall (Playmakers) and the extensions of Old East and Old West, also contributed landscape designs. The trustees resolved in 1851 that the provision for a gardener be made a regular part of the University budget.

In 1903, Professor William Chambers Coker began decades of work to create a “naturalistic garden” in a boggy pasture on the east side of the campus. Now known as the Coker Arboretum, it was used for teaching; for example, it once held a drug garden of plants useful in pharmacy. Today it holds many vicariads—closely related species of trees that evolved in parallel in temperate Asia and North America.

The arboretum and other campus gardens have always been used both for teaching and for simple enjoyment by students, staff, and faculty. A long succession of energetic botanists like Coker and skillful landscape gardeners like LeClair surely accounts for the presence of many unusual trees and shrubs growing on the Carolina campus: ginkgos, swamp white oaks, many different hollies, western incense cedars, and Kentucky coffee trees to name only a few.

Carolina’s landscape tradition has been handed down to us by generations of plant lovers concerned with enriching the campus environment—from the trustees of 1805 through Elisha Mitchell to Swain to Coker and LeClair, down to the present-day plants-men and -women in Grounds and at the NC Botanical Garden.



Coker Arboretum

V. A VISION FOR THE PRESENT AND FUTURE CAROLINA CAMPUS LANDSCAPE

At Carolina, natural beauty is as basic as the air we breathe. It is a potent recruiting tool. Prospective students and faculty members feel it when they first visit. Alumni love the campus landscape because it remains forever the beautiful setting for an important period in their lives. In the present-day University community, we value the landscape because it gives us pleasure. It offers a setting where all of us—faculty, staff, and students—can do our best work. We are inspired and we are blessed by its beauty. Only by understanding the nature of this precious asset can we preserve it and hand it on to future generations of students, staff, and faculty.

Thus, our vision is of a landscape that will be as beautiful at the University's tricentennial in 2093 as it was at the bicentennial in 1993. Our vision is of a landscape that will continue to be as unique as it is appealing, as nourishing as it is functional. We believe that the campus landscape has lessons to teach us; it is not only the setting for learning, but also part of our course of study. Perhaps most important, we imagine a campus community that will continue to value Carolina's deep roots in the natural world—a community that will consciously safeguard its irreplaceable legacy of trees, rock walls, and brick paths on a hilltop site carved out of the ancient forest.

SECTION 2

HERITAGE TREES AND LANDMARK SPACES



1907 Photogravure

North Carolina Collection, UNC Library

I. DEFINITIONS

- A. Heritage Trees** are individual trees on the UNC-Chapel Hill campus that have developed exceptional historical, cultural, or aesthetic value because of their age, descent, legendary stature, contribution to the diversity of the campus landscape, exemplary representation of genus or species, rarity, or association with an important event or person. *Our expectation is that these trees will not be affected by development of the campus.*
- B. Landmark Spaces** are designated by the University or described in significant publications about the campus, such as Archibald Henderson's major and essential work, *The Campus of the First State University*. Other landmark spaces in the landscape have been nominated by the task force and follow the same designation criteria as heritage trees. *Our expectation is that these landmark spaces will not be affected by development of the campus.*
- C. Designated Officials** referred to in these guidelines are the University arborist, the Grounds Department landscape supervisor, the Facilities Planning landscape architect, and the Facilities Planning historic preservation manager.

II. DESIGNATION CRITERIA AND PROCESS

A. Criteria

1. **Age** is an important criterion and will vary by species.
2. **Historic Significance** is an association with an important event or person.
3. **Location and Setting** designates a contribution to a significant view or spatial structure of a setting.
4. **Size or Habit** designates an exemplary representation of a genus's or species' characteristics.
5. **Diversity** describes a significant contribution to the distinct plant life of campus.

B. Process

1. The Task Force on Landscape Heritage and Plant Diversity has determined initial designations.
2. Subsequent nominations may be made by any member of the University community. Nominations should include a photo documentation of the candidate tree or landmark space as well as a narrative explaining how the candidate tree or landmark space fulfills a minimum of three criteria for heritage designation.
3. University-designated officials will review and evaluate all nominations and will forward finalists to the Buildings and Grounds Committee.
4. To ensure appropriate protection of heritage trees and landmark spaces, the Grounds Department will maintain the list of heritage trees and landmark spaces and a map of their locations.

III. PROTECTION MEASURES FOR HERITAGE TREES AND LANDMARK SPACES

- Heritage tree or landmark space designation means that Carolina is committed to preserving these plants or spaces. This protection extends beyond the normal tree protection measures as described in the design guide.
- Efforts to preserve heritage trees and landmark spaces must include special consideration in campus planning decisions as follows: heritage trees and landmark spaces will be monitored by the designated officials. Prior to any facility design, construction planning, construction maintenance, disturbance, or entry into a landmark space, the designated officials shall be notified. The appropriate designated officials shall have the authority to require alternative methods, techniques, and routes for utilities, construction, and planned construction in the landmark space.
- The University arborist will have authority to establish appropriate tree and landscape protection measures, including, but not limited to, fencing, logging mats, fabric, mulch, and designation of exclusionary areas.
- If a heritage tree or landmark space falls within the limits of construction, a designated official will have authority to exclude the heritage land area from the land area deeded to the contractor for the project duration.

IV. REMOVAL PROCESS FOR HERITAGE TREES AND LANDMARK SPACES

In the event that a heritage tree or significant tree or landscape must be removed due to disease, potential safety risk, or natural causes, the following steps will be undertaken:

- If the University arborist deems immediate removal necessary, he or she shall send out a tree removal notification to the Facilities Planning landscape architect, the Chair of the Buildings and Grounds Committee, and others so designated.
- Removed heritage trees or landscapes may be further commemorated at the discretion of University designated officials.
- Whenever possible and appropriate, a removed heritage tree or landscape will be replaced with a plant or landscape similar to that removed.

V. APPENDICES

A. Heritage Tree Inventory Form

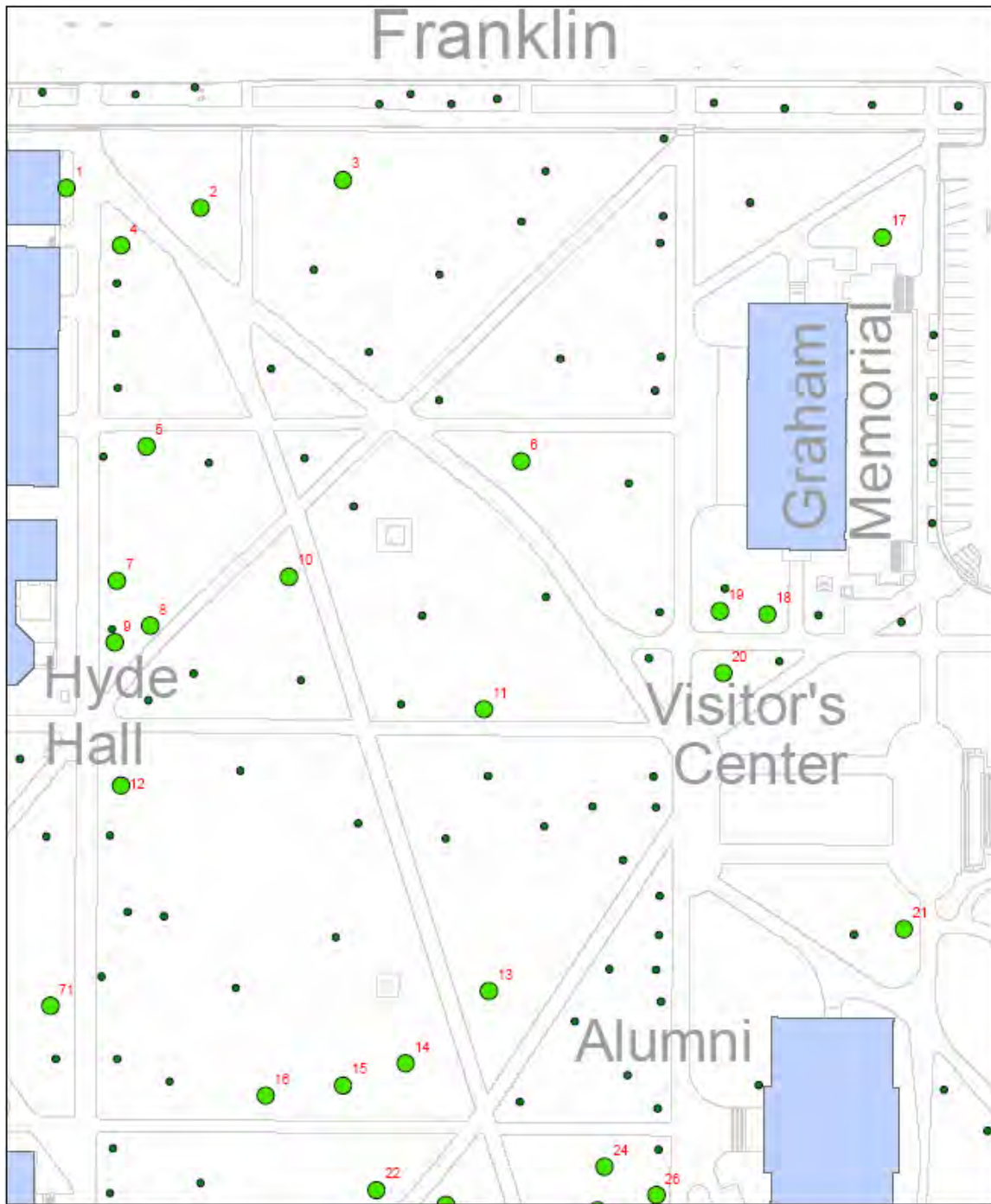
The following form was devised for conducting preliminary inventories of campus heritage trees. This form enables us to precisely identify the plants and landscapes surveyed, using the criteria above, as well as form a record for future use by campus planners and historians.

We divided the campus into quads and surveyed each quad as thoroughly as possible. The full inventory will be housed with the University arborist.

Landscape Heritage and Plant Diversity Inventory Form

Date:	Grid number:
Surveyor:	
Scientific name:	
Common name:	
General description:	
<input type="checkbox"/> 1. Historical event	<input type="checkbox"/> 7. Age
<input type="checkbox"/> 2. Historical person / group	<input type="checkbox"/> 8. Essential to setting
<input type="checkbox"/> 3. Distinguishable entity	<input type="checkbox"/> 9. Exemplary of species or style
<input type="checkbox"/> 4. Legendary in community	<input type="checkbox"/> 10. Diversity quotient
<input type="checkbox"/> 5. In lit or historical documents	<input type="checkbox"/> 11. Horticultural interest
<input type="checkbox"/> 6. Progeny	<input type="checkbox"/> 12. Rarity in our locale
	<input type="checkbox"/> 13. Health
Comments:	

B Heritage Tree List and Maps



Heritage Trees

Map 1

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services

1. *Betula nigra* (River Birch) — quite large
2. *Quercus phellos* (Willow Oak) — an impressive specimen
3. *Quercus falcata* (Southern Red Oak) — very large, possible remnant of the original forest
- 4–5. *Ilex opaca* (American Holly) — impressive examples of holly collection
6. *Quercus alba* (White Oak) — possible remnant of the original forest
7. *Quercus alba* (White Oak) — possible remnant of the original forest
- 8–9. *Ilex opaca* (American Holly) — impressive examples of holly collection
10. *Quercus alba* (White Oak) — possible remnant of the original forest
11. *Quercus alba* (White Oak) — possible remnant of the original forest



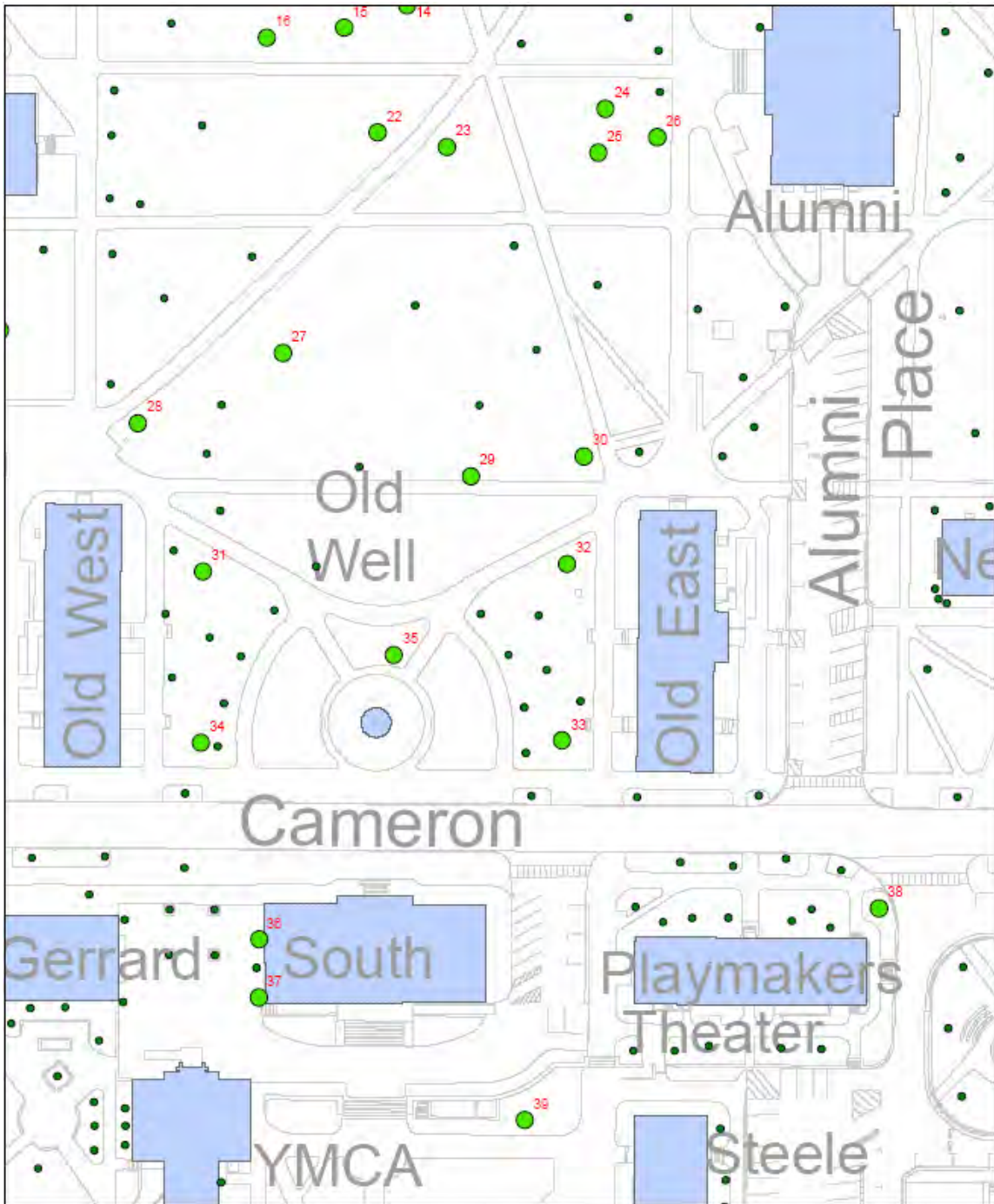
American Holly

12. *Ilex opaca* (American Holly) — 200 + year old holly, remnant of the original forest
13. *Quercus alba* (White Oak) — possible remnant of the original forest
14. *Quercus velutina* (Black Oak) — largest black oak on campus
15. *Carya tomentosa* (Mockernut Hickory) — largest hickory on campus
16. *Quercus alba* (White Oak) — possible remnant of the original forest
17. *Quercus virginiana* (Live Oak) — largest live oak on campus
18. *Acer palmatum* (Japanese Maple) — an impressive specimen



White Ash

- 19–20. *Fraxinus americana* (White ash) — impressive specimens
21. *Ilex x attenuata* Hume #2 (Hume Holly) — impressive examples of holly collection



Heritage Trees

Map 2

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



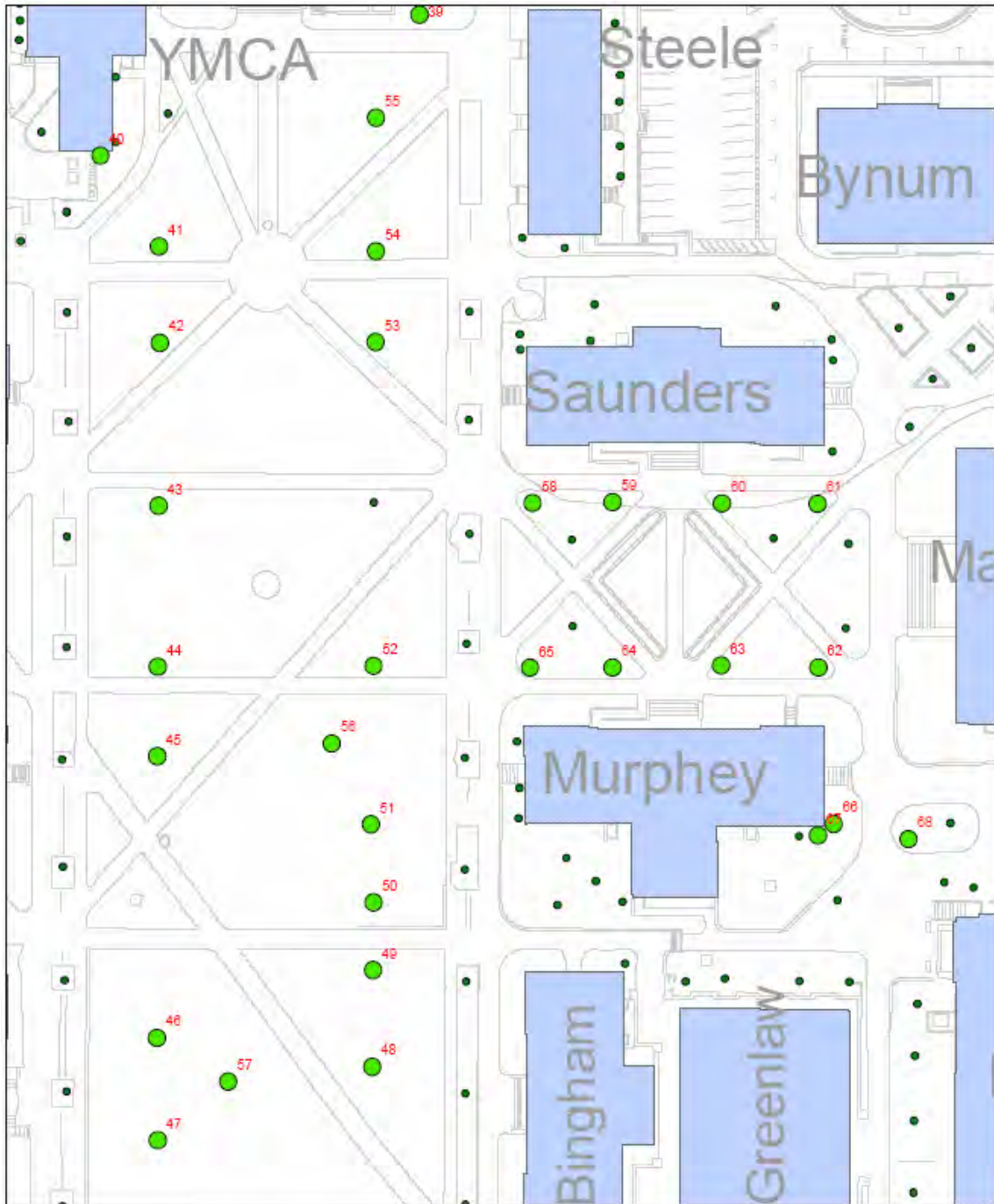
Tulip Poplar

- 22. *Liriodendron tulipifera* (Tulip Poplar) — the “Davie Poplar.”
- 23. *Liriodendron tulipifera* (Tulip Poplar) — the “Davie Poplar, Jr.”
- 24. *Acer saccharum ssp. Leucoderme* (Chalk Maple) — only chalk maple on campus
- 25. *Liriodendron tulipifera* (Tulip Poplar) — the “Davie Poplar, III”
- 26. *Prunus subhirtella* (Higan Cherry) — possible remnant of class of 1928 gift
- 27. *Quercus alba* (White Oak) — possible remnant of the original forest
- 28. *Liriodendron tulipifera* (Tulip Poplar) — class tree 1884
- 29. *Quercus alba* (White Oak) — possible remnant of the original forest
- 30. *Ulmus americana* (American Elm) — an impressive specimen
- 31–34. *Ilex opaca* “Croonenberg” (Croonenberg Hollies) — around Old Well



White Oak

- 35. *Quercus alba* (White Oak) — most photographed tree in North Carolina
- 36. *Calocedrus decurrens* (Incense Cedar) — very rare in NC, Coker planting
- 37. *Taxodium distichum* (Bald Cypress, Swamp Cypress) — impressive specimen
- 38. *Pseudotsuga menziesii* (Douglas Fir) — very rare in NC
- 39. *Quercus stellata hybrid* (Post Oak hybrid) — an impressive specimen



Heritage Trees

Map 3

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services

40. *Taxodium distichum* (Bald Cypress, Swamp Cypress) — an impressive specimen



White Oak

41–55. *Quercus alba* (White Oak) — 16 in the alleé, Carolina’s signature appearance

56. *Diospyros virginiana* (American Persimmon) — rare tree in the landscape

57. *Quercus alba* (White Oak) — an impressive specimen

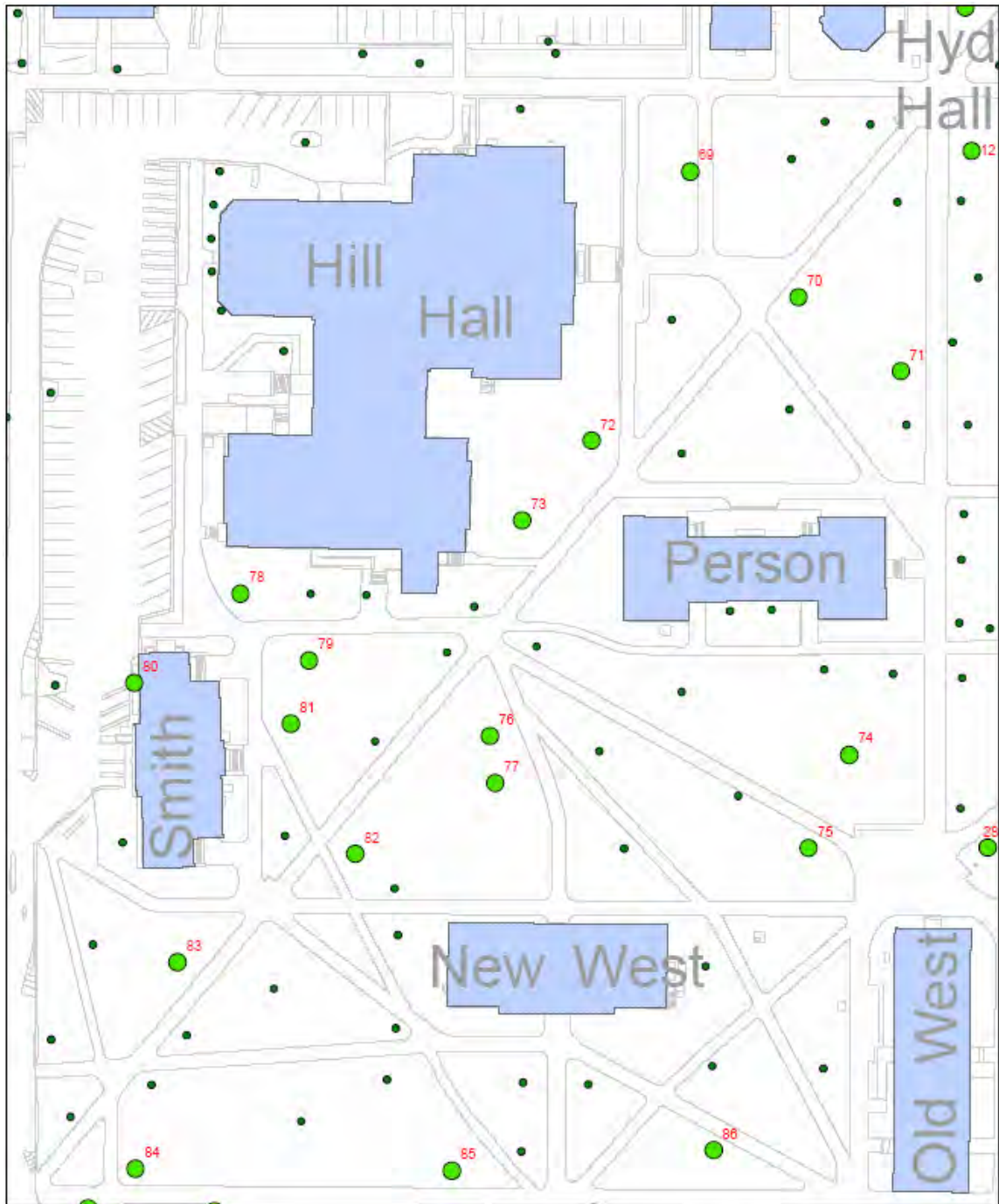
58–65. *Liriodendron tulipera* (Tulip Poplar) — in the alleé, Carolina’s signature appearance



Incense Cedar

66–67. *Calocedrus decurrens* (Incense Cedar) — very rare in NC, Coker planting

68. *Ilex x attenuata* “East Palatka” (East Palatka Holly) — impressive example of holly collection



Heritage Trees

Map 4

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

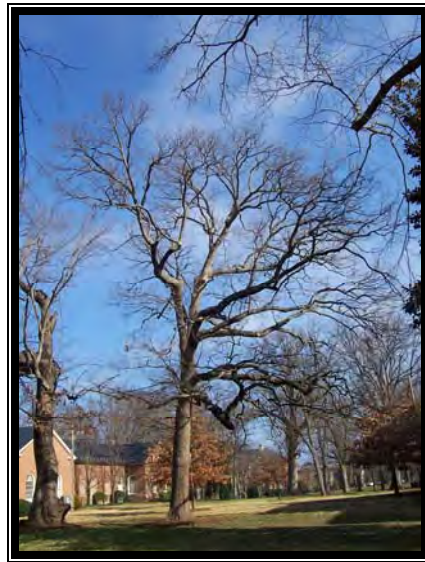
Engineering Information Services

- 69–70. *Carya illinoensis* (Pecan) — impressive specimens
 71. *Quercus velutina* (Black Oak) — an impressive specimen
 72. *Ulmus parviflora* (Chinese Lacebark Elm) — an impressive specimen
 73. *Quercus phellos* (Willow Oak) — an impressive specimen



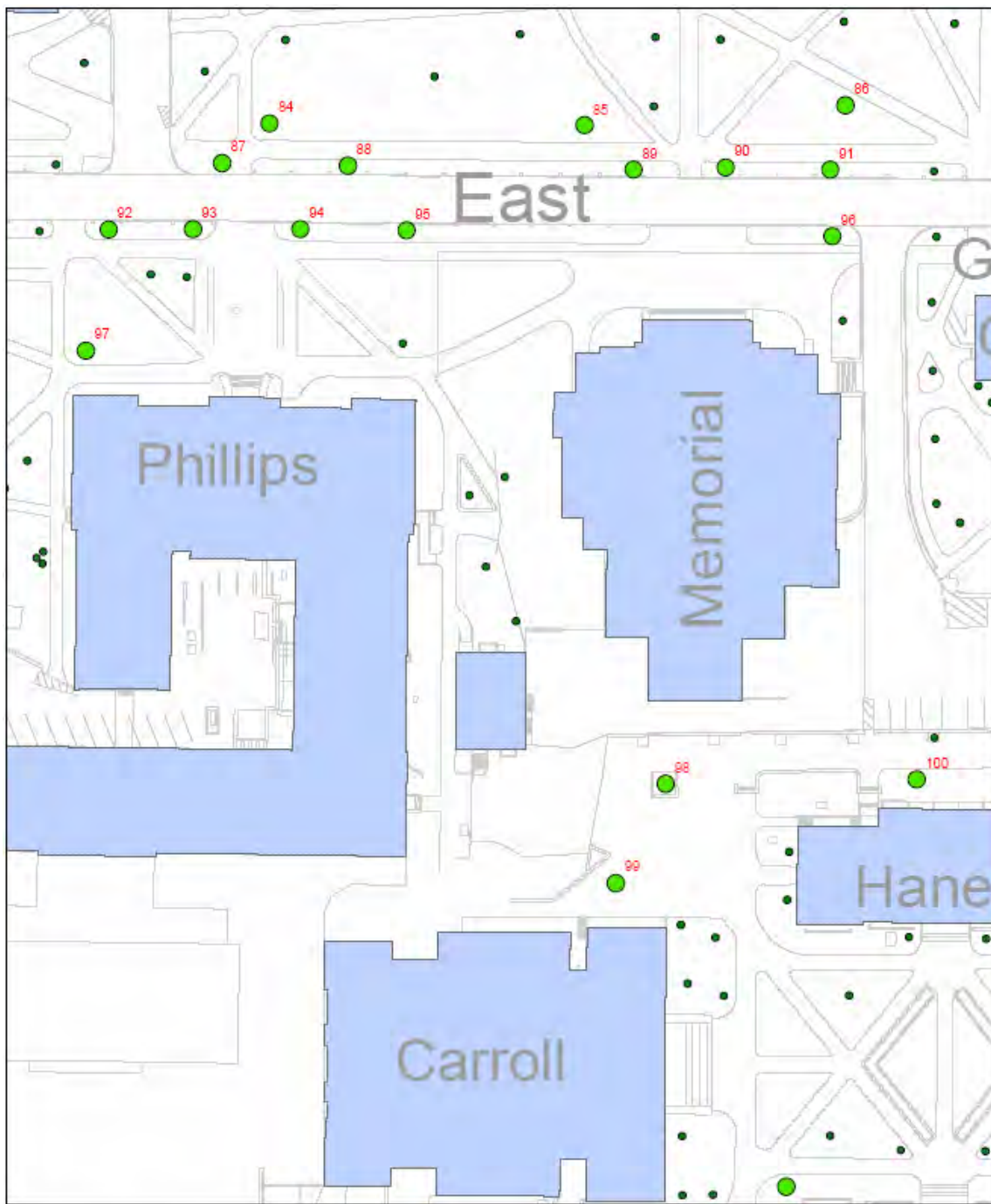
Post Oak

74. *Quercus stellata* (Post Oak) — an impressive specimen
 75. *Quercus stellata* (Post Oak) — an impressive specimen
 76. *Quercus alba* (White Oak) — an impressive specimen



White Oak

77. *Quercus alba* (White Oak) — an impressive specimen
 78–79. *Fagus grandifolia* (American Beech) — largest beeches on campus
 80. *Taxodium distichum* (Swamp Cypress) — impressive example of the cypress collection
 81. *Quercus stellata* (Post Oak) — an impressive specimen
 82. *Quercus sp* (pin oak) — an impressive specimen
 83. *Taxodium distichum* (Bald Cypress) — impressive example of the cypress collection



Heritage Trees

Map 5

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

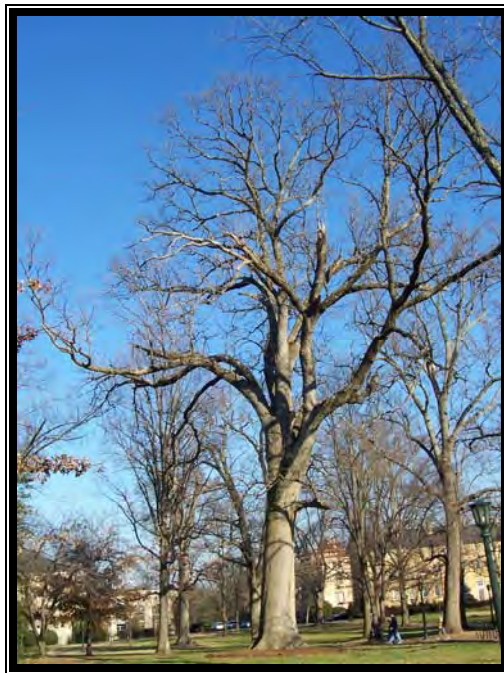
Engineering Information Services

- 84–85. *Acer ginnala* (Amur Maple) — unusual maples
86. *Quercus alba* (White Oak) — an impressive specimen
87–96. *Quercus phellos* (Willow Oaks) — alleé, Carolina’s signature appearance



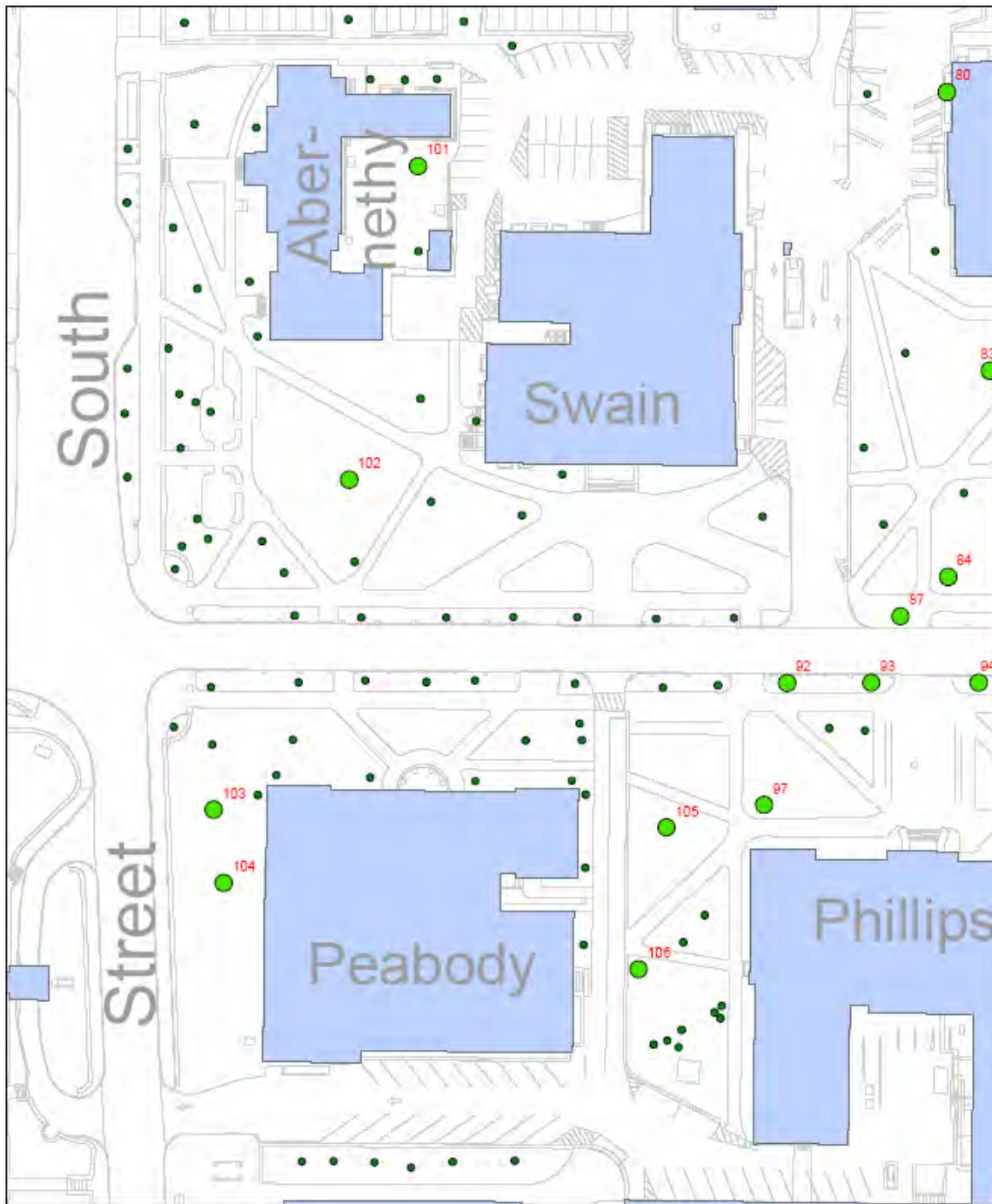
Southern Magnolia

97. *Magnolia grandiflora* (Southern Magnolia) — impressive example of the magnolia collection
98. *Quercus falcata* (Southern Red Oak) — an impressive specimen



Post Oak

99. *Quercus stellata* (Post Oak) — an impressive specimen
100. *Ilex x attenuata* “East Palatka” (East Palatka Holly) — impressive examples of holly collection



Heritage Trees

Map 6

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services

101. *Ulmus alata* (Winged Elm) — east façade Abernathy



Burford Holly

102. *Ilex burfordii* "Burfordii" (Burford Holly) — impressive example of holly collection

103. *Quercus nigra* (Water oak) — friendship tree

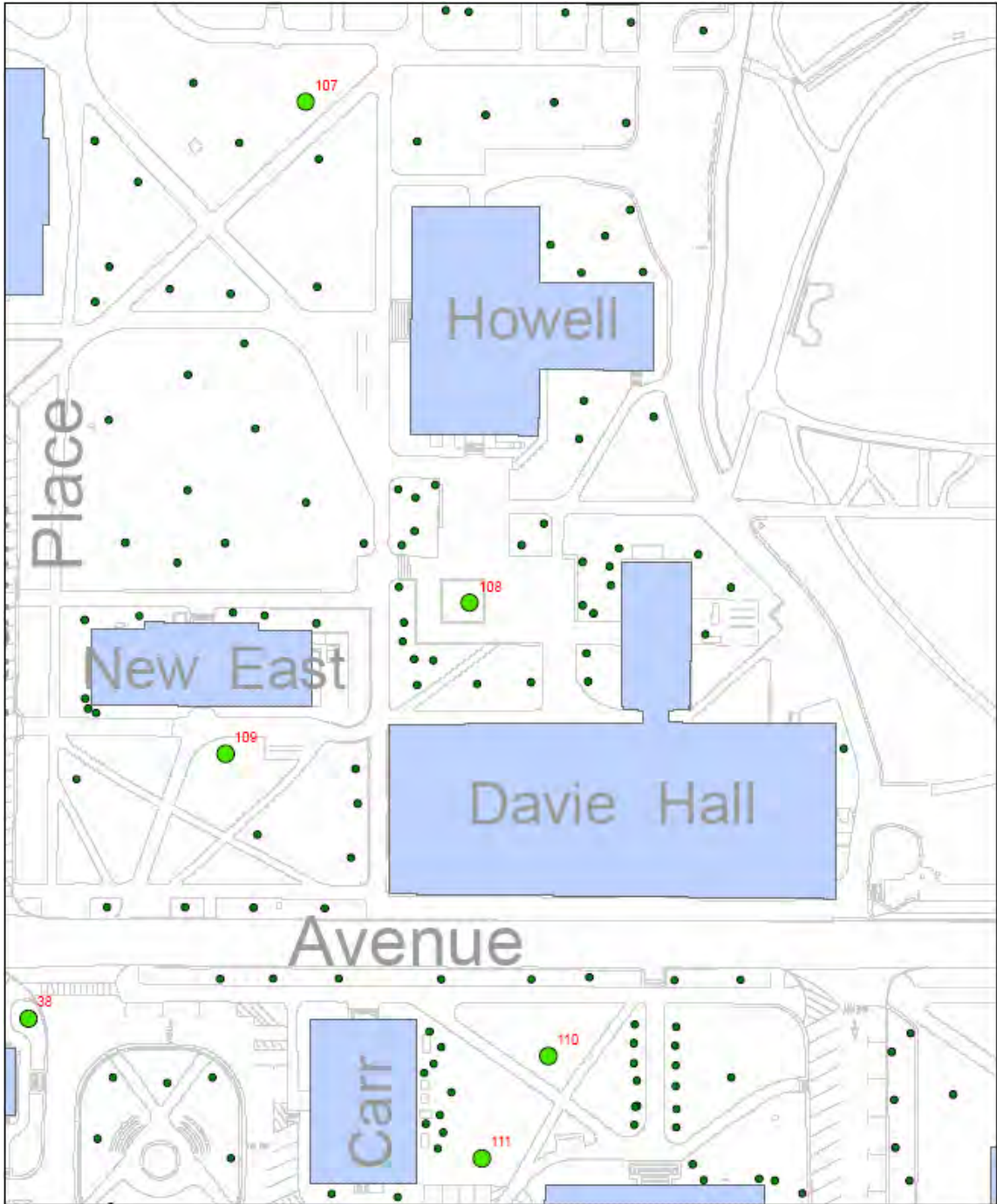


Southern Sugar Maple

104. *Acer saccharum* ssp. *floridanum* (Southern Sugar Maple) — an impressive specimen

105. *Ulmus americana* (American Elm) — remarkably impressive specimen

106. *Acer japonica* (Japanese Maple) — an impressive specimen



Heritage Trees

Map 7

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services

107. *Ulmus alata* (Winged Elm) — an impressive specimen

108. *Quercus virginiana* (Live Oak) — an impressive specimen



Southern Sugar Maple

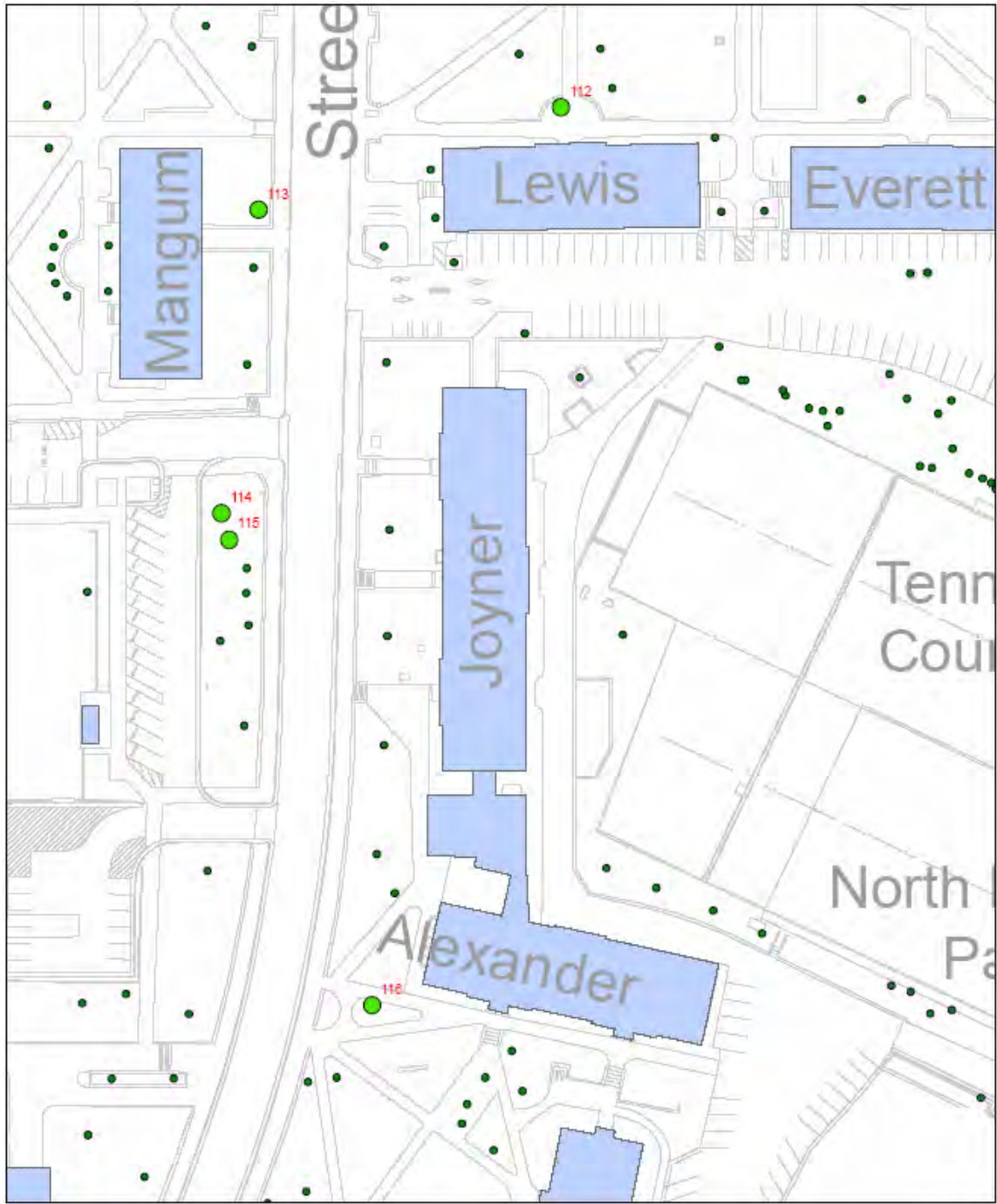
109. *Acer saccharum ssp. floridanum* (Southern Sugar Maple) — an impressive specimen



Ginkgo

110. *Ginkgo biloba* (Ginkgo) — impressive fall color adds to diversity on campus


111. *Quercus acutissima* (Sawtooth Oak) — largest saw tooth on campus



Heritage Trees
Map 8

- Legend**
- Heritage Trees
 - All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL
Engineering Information Services



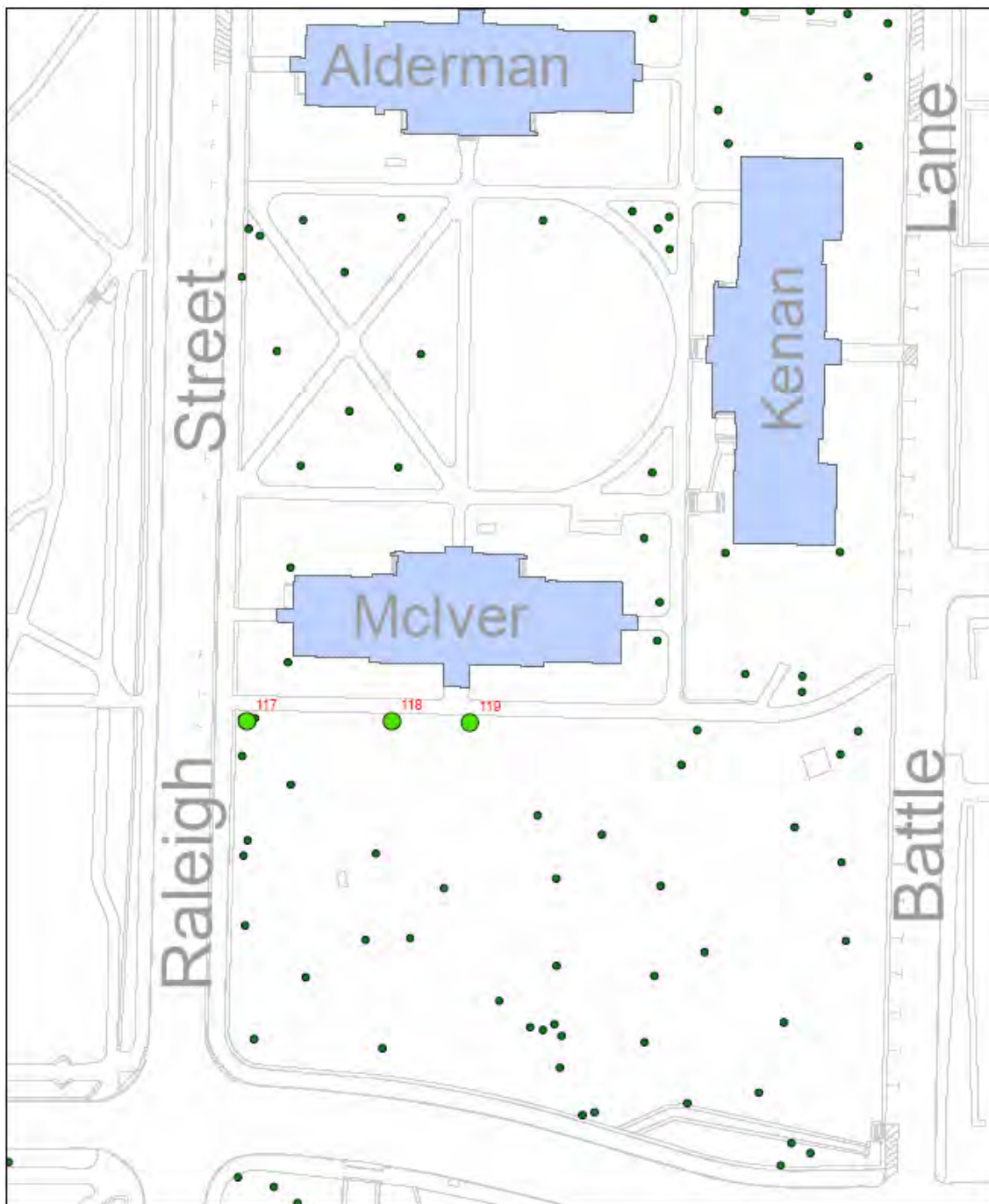
Loblolly Pine

- 112. *Pinus taeda* (Loblolly Pine) — an impressive specimen with a “witch’s broom”
- 113. *Quercus falcata* hybrid (Southern Red Oak hybrid) — an impressive specimen
- 114–115. *Platanus occidentalis* (Sycamore) — largest on campus



Post Oak

- 116. *Quercus stellata* (Post Oak) — an impressive specimen



Heritage Trees

Map 9

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



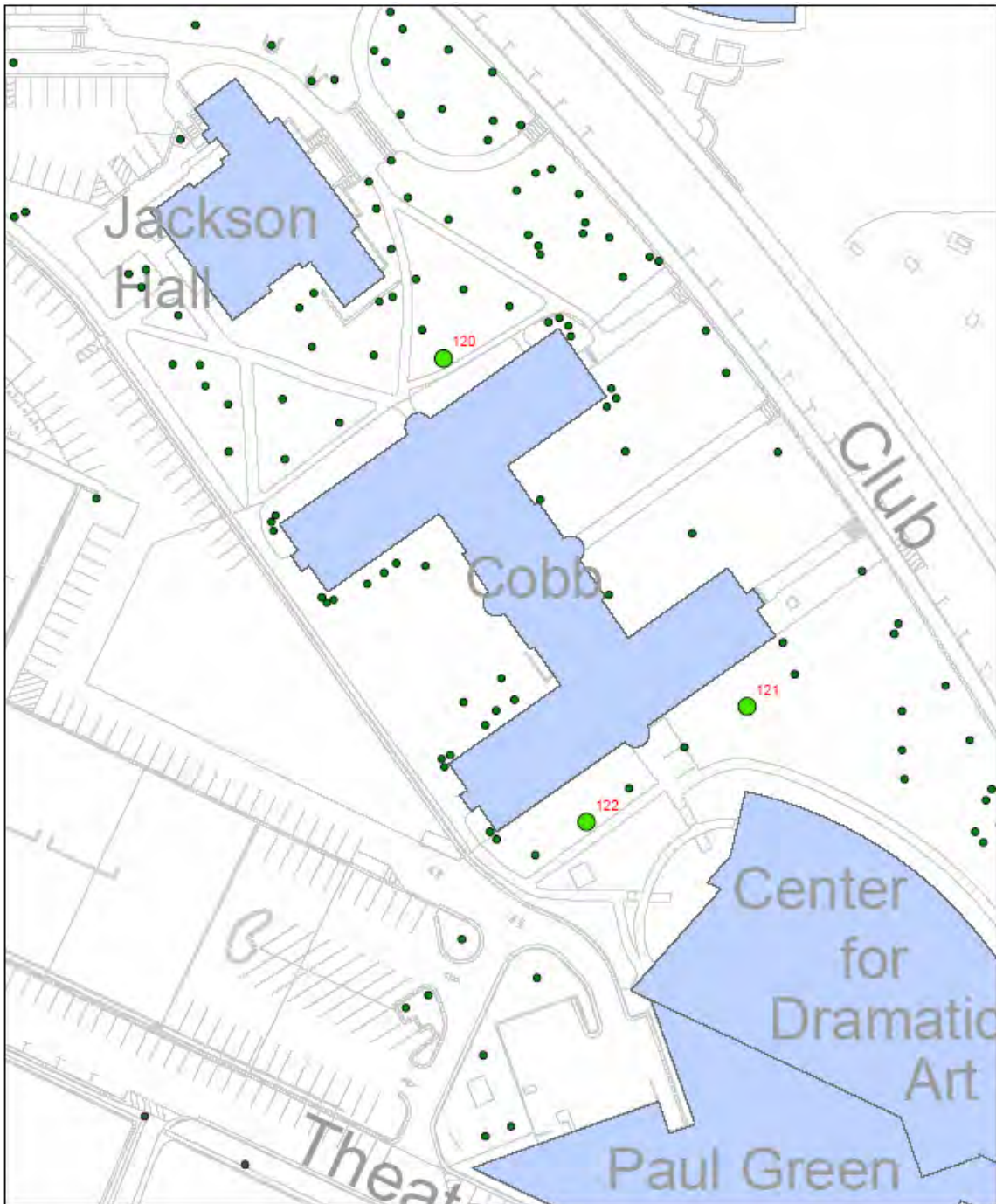
THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



American Elm

117–119. *Ulmus americana* alleé (American Elm) — remnant of last elm alleé on campus



Heritage Trees

Map 10

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



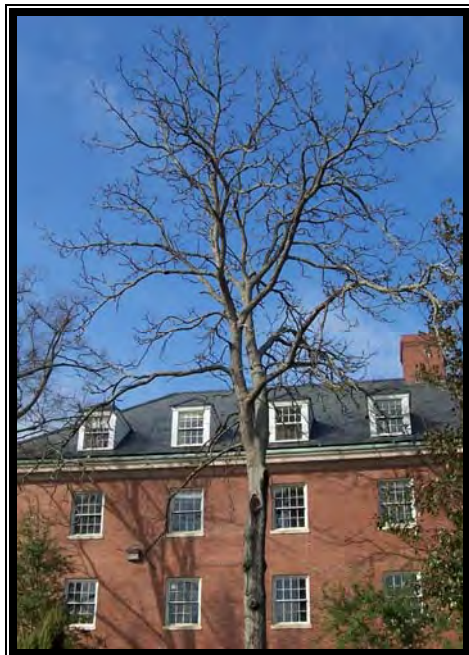
THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



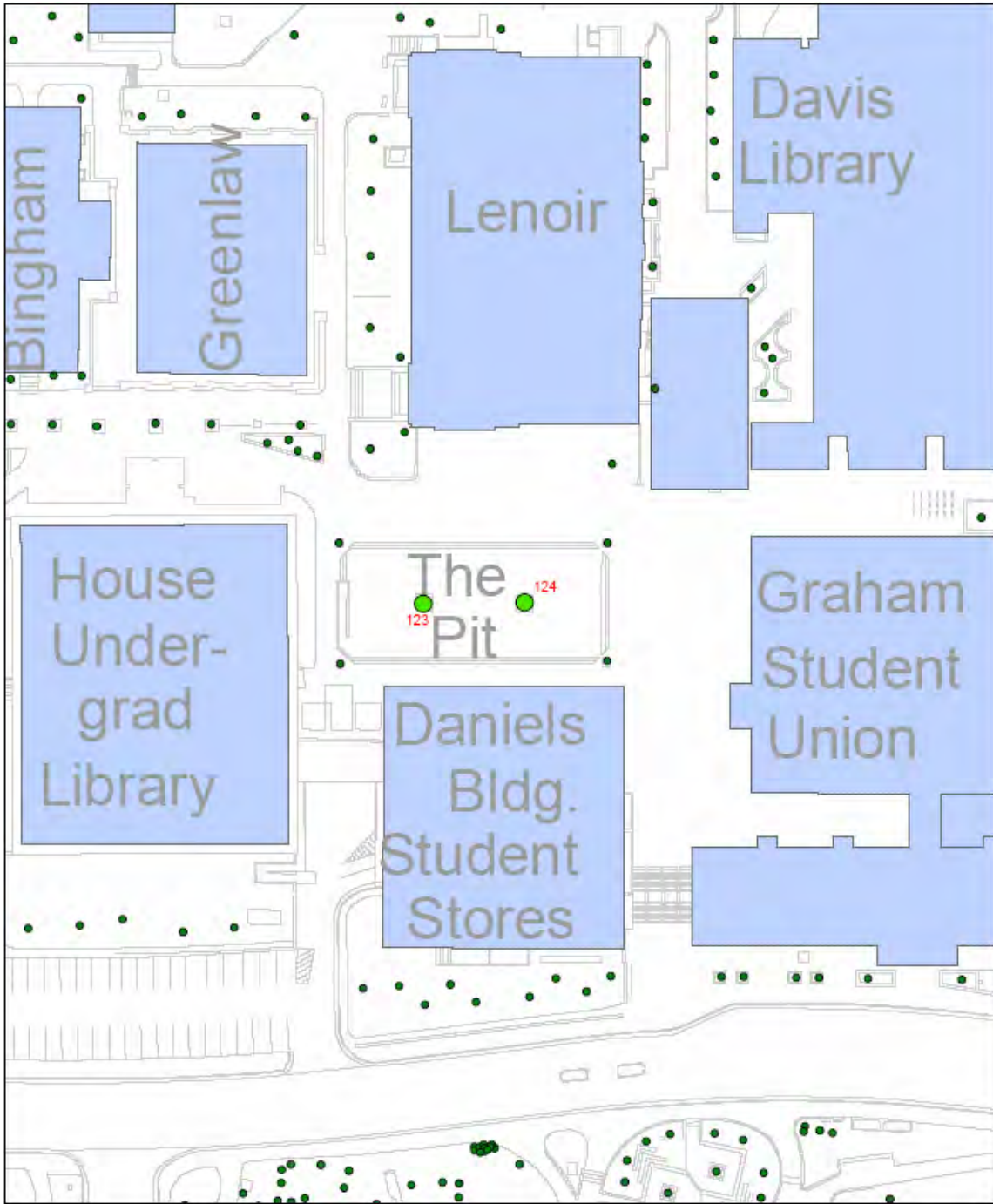
Southern Red Oak

120. *Quercus falcata* (Southern Red Oak) — an impressive specimen



Kentucky Coffee Tree

121–122. *Gymnocladus dioica* (Kentucky Coffee Tree) — rare impressive trees



Heritage Trees

Map 11

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



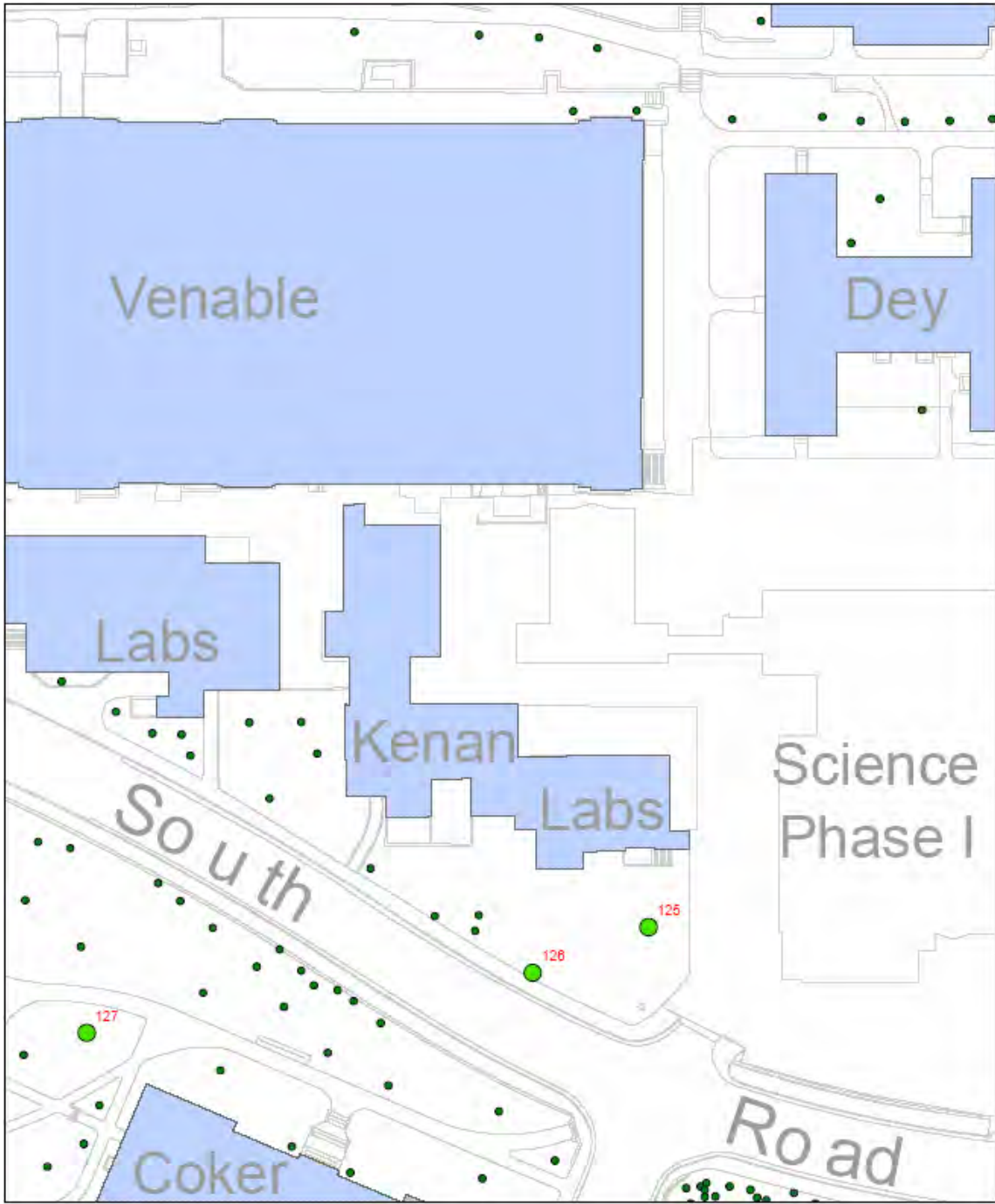
THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Overcup Oaks

123–124. *Quercus lyrata* (Overcup Oak) — two trees in “the pit”



Heritage Trees

Map 12

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



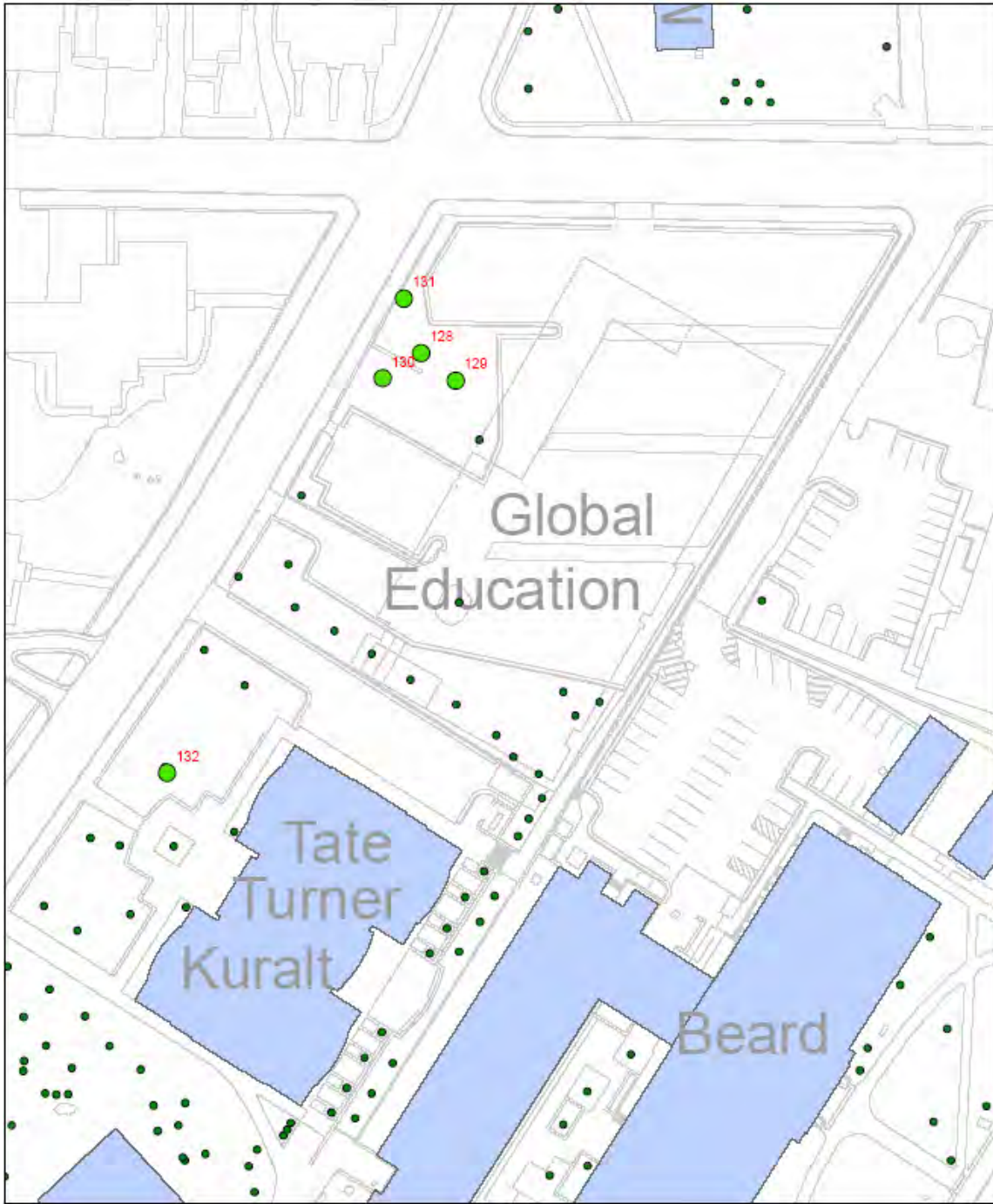
Southern Catalpa

125. *Catalpa bignonioides* (Southern Catalpa) — very impressive specimen
126. *Betula nigra* (River Birch) — an impressive specimen



East Palatka Holly

127. *Ilex x attenuata* “East Palatka” (East Palatka Holly) — impressive example of holly collection



Heritage Trees

Map 13

Legend

- Heritage Trees
- All Other Trees

Mar 07, 2005



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services

128–131. *Quercus stellata* (Post Oak) — remnant of old landscape

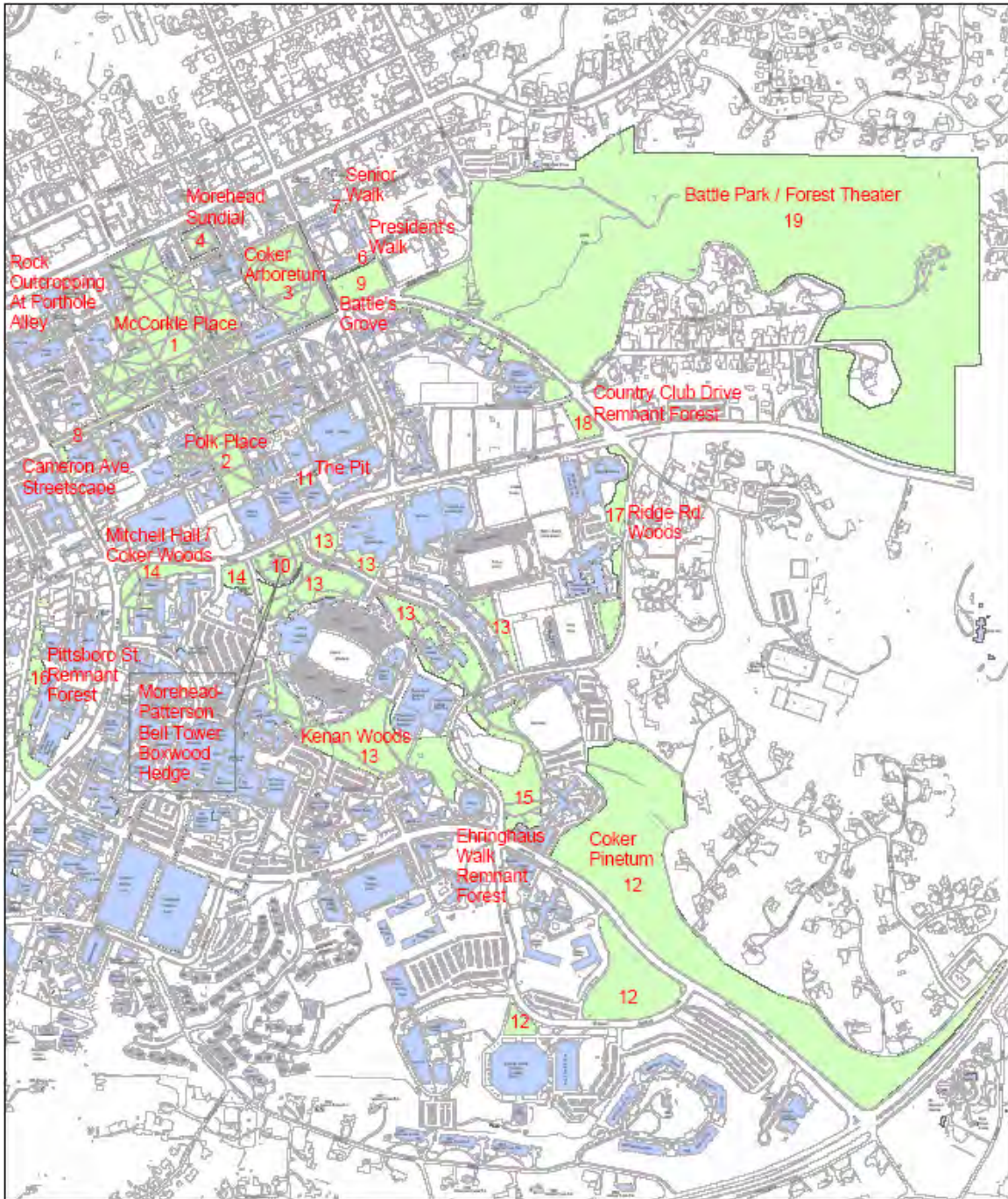


White Oak

132. *Quercus alba* (White Oak) — remnant of old landscape

C. Landmark Spaces

1. McCorkle Place (includes Old Well)
2. Polk Place (includes Carroll quadrangle and Macrae Court)
3. Coker Arboretum (CH Historic District / National Register)
4. Morehead Sundial
5. Rock outcropping at Porthole Alley
6. President's Walk
7. Senior Walk
8. Cameron Avenue streetscape: the historic primary west-east road, first called College Street, through Campus
9. Battle's Grove
10. Morehead-Patterson Bell Tower Boxwood Hedge
11. The Pit
12. Coker Pinetum
13. Kenan Woods
14. Mitchell Hall/Coker Hall remnant forest
15. "Ehringhaus walk" remnant woods
16. Pittsboro Street remnant forest
17. Ridge Road Woods
18. Country Club Road Remnant Forest
19. Battle Park



Landmark Spaces

Mar 14, 2005

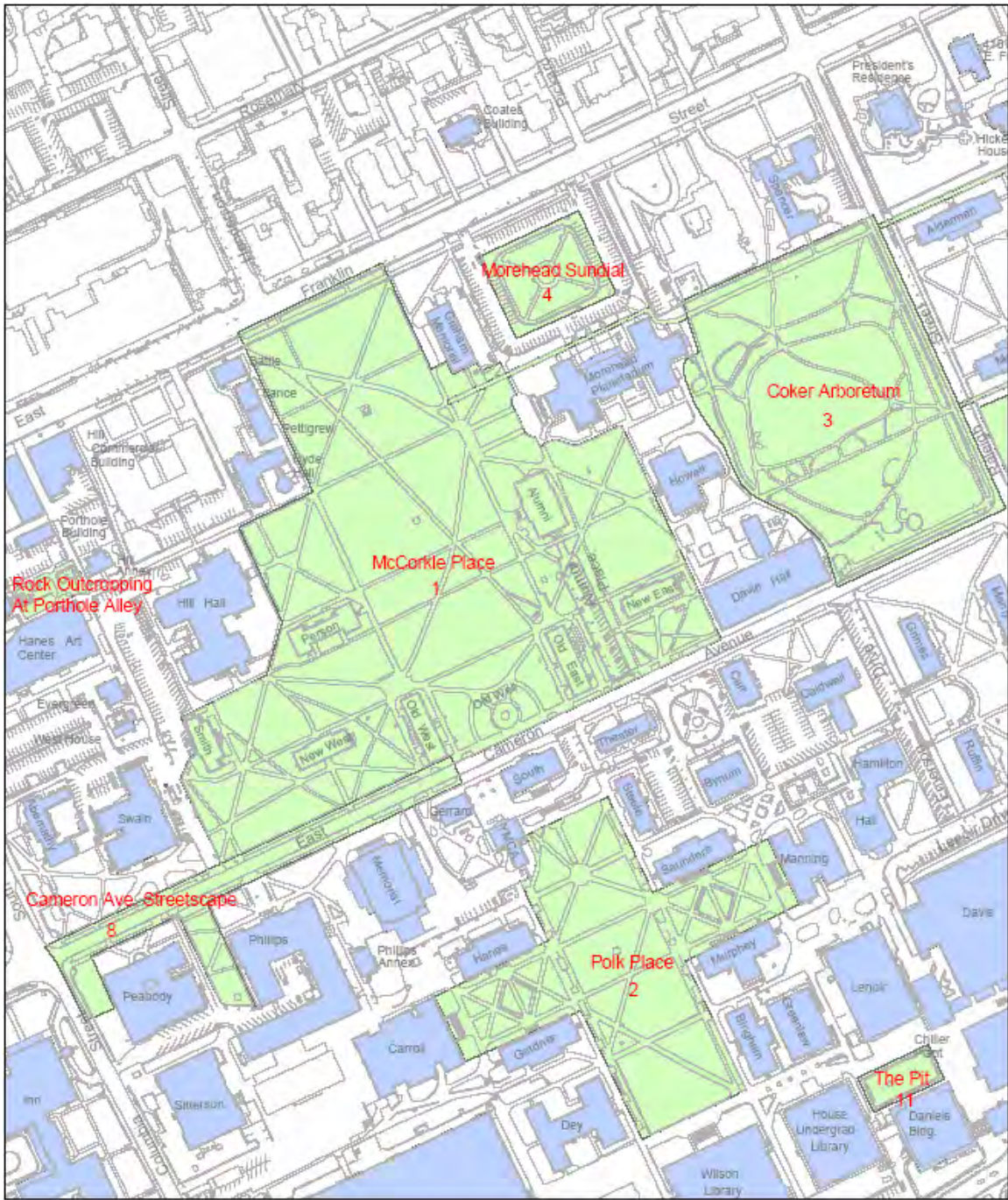
Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 1
Mar 14, 2005

Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 2
Mar 14, 2005

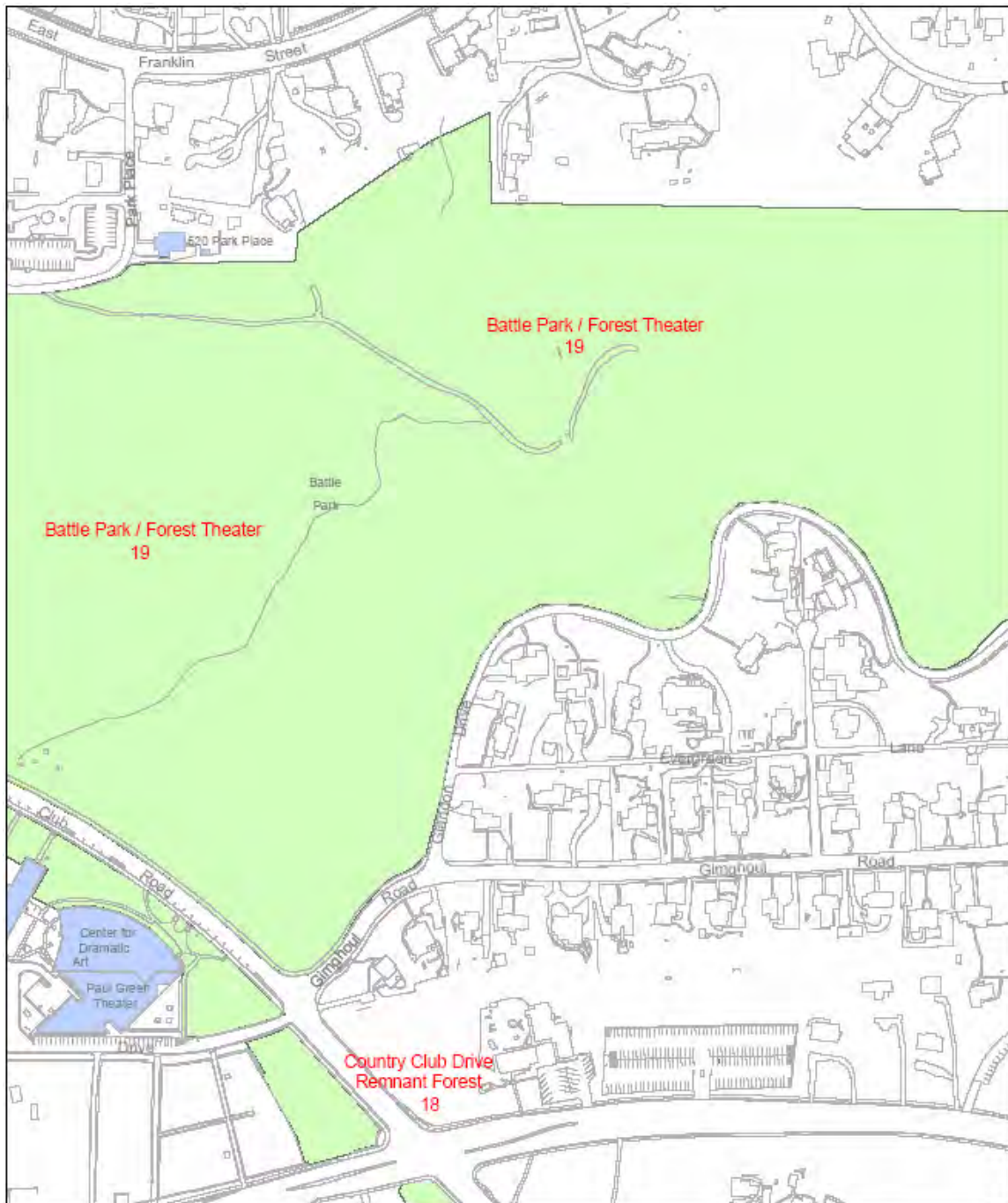
Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 3
Mar 14, 2005

Legend
■ Buildings
■ landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

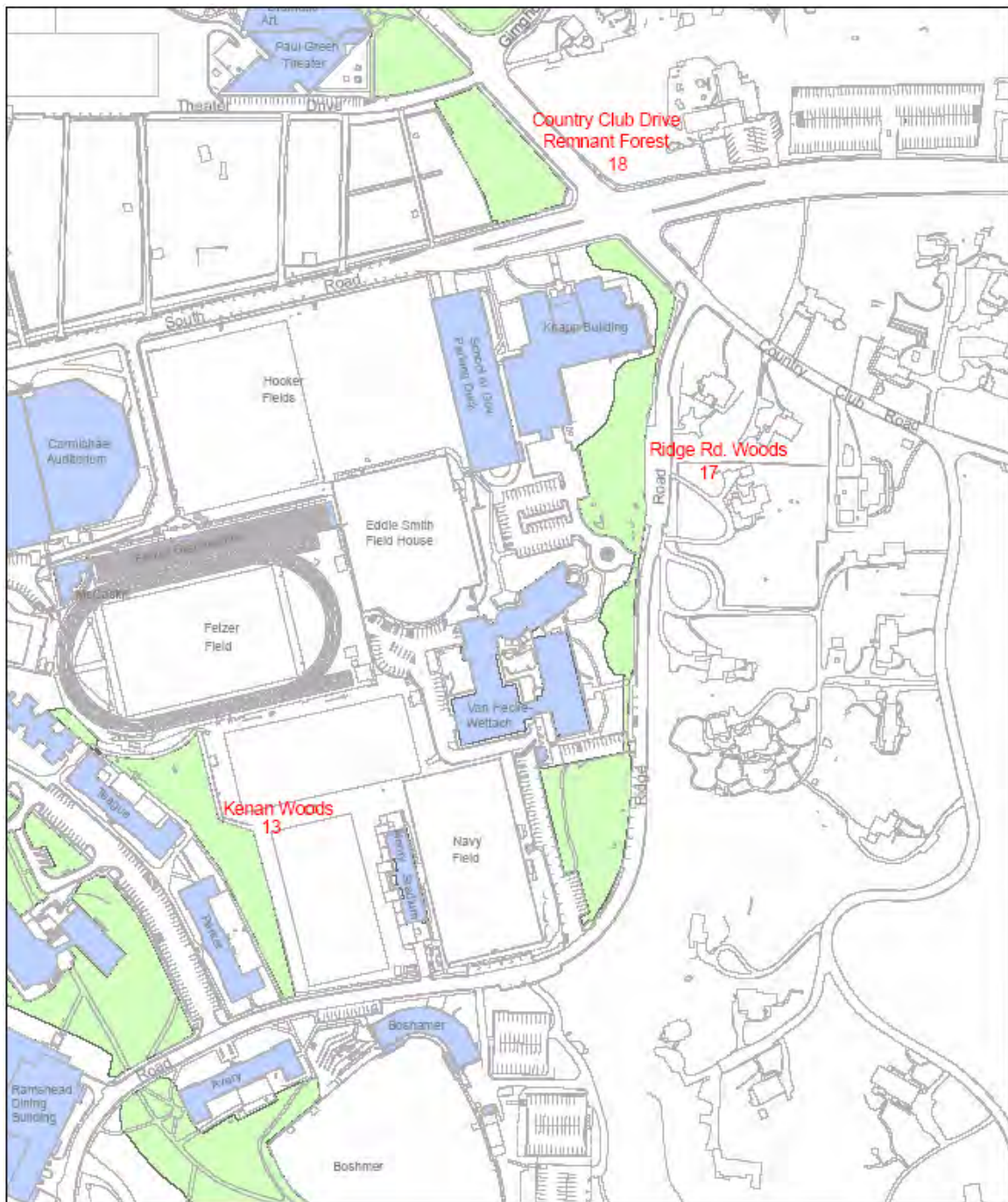
Map 4
Mar 14, 2005

Legend
 Buildings
 landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 5
Mar 14, 2005

Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 6
Mar 14, 2005

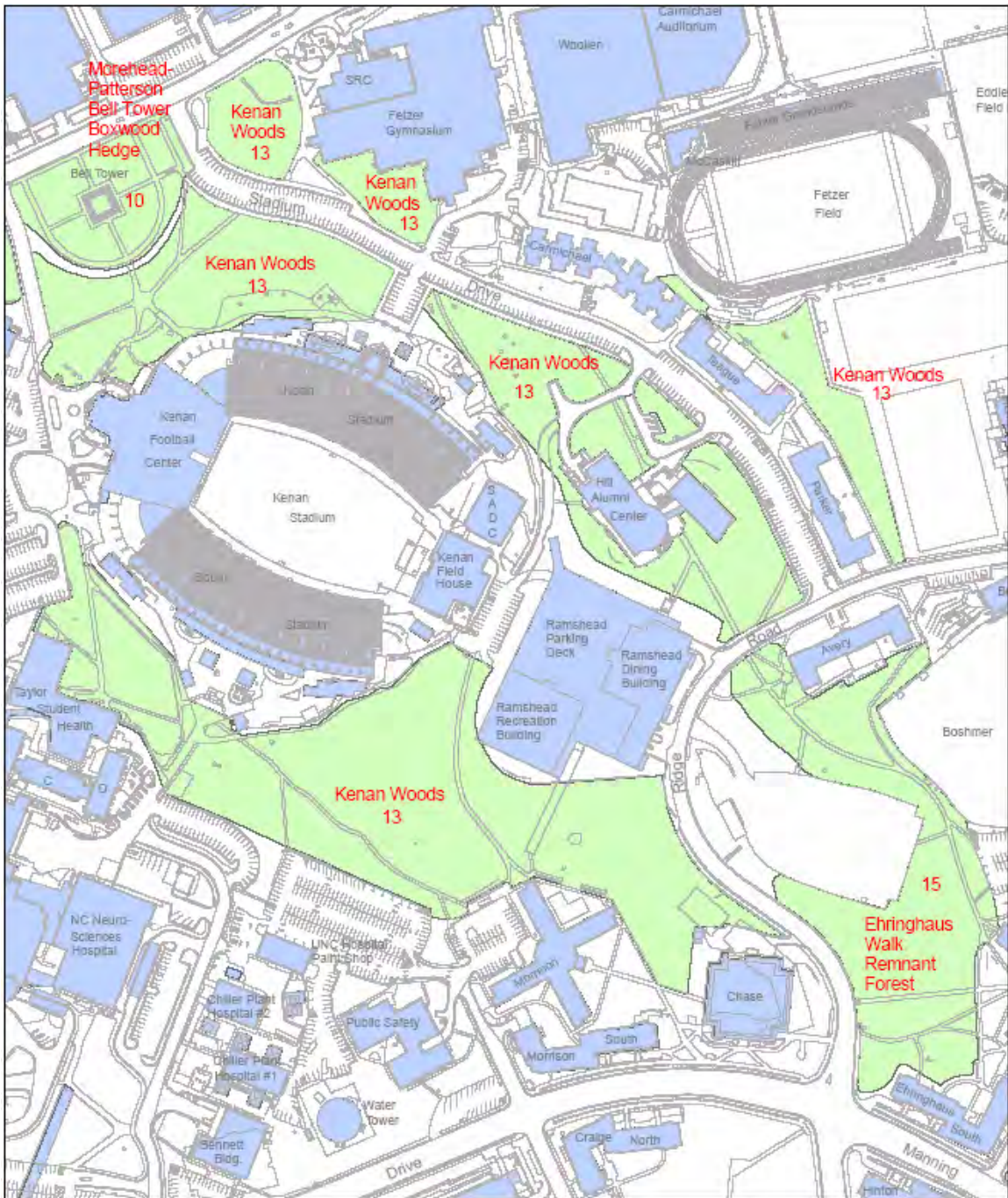
Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 7
Mar 14, 2005

Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 8
Mar 14, 2005

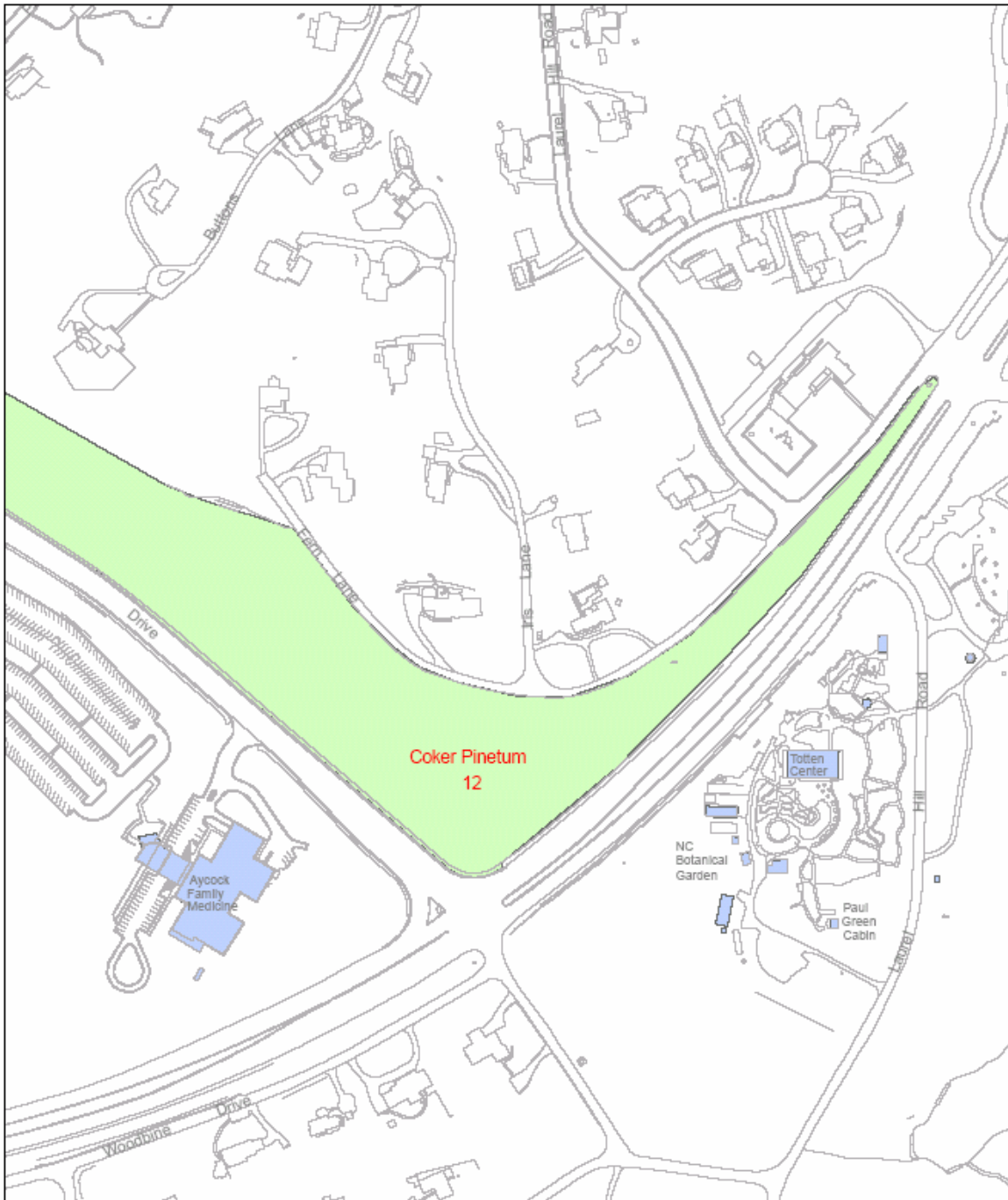
Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services



Landmark Spaces

Map 9
Mar 14, 2005

Legend

- Buildings
- landmark



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Engineering Information Services

D. Significant Trees

Significant trees are trees or groupings of trees that have significant historical, cultural, or aesthetic value in the aggregate, but which might be replaceable as individuals.

North District

Fraxinus pennsylvanica var subintegerrima (Green Ash) — new grove beside ROTC
Diospyros kaki (Japanese Persimmon) — SW corner Sitterson along Columbia
Cornus florida (Dogwood)
Betula nigra (River Birch)
Quercus phellos (Willow Oak)
Quercus nigra (Water Oak) — SW corner Sitterson along Columbia
Metasequoia glyptostroboides (Dawn Redwood) — alleé important to retaining campus identification with cypress as signature tree, north side of Sitterson
Quercus alba (White Oak) — shading ticket line at Memorial northeast corner
Carpinus caroliniana (American Hornbeam) — Kenan Towers, south street side
Cryptomeria japonica (Japanese Cedars) — North façade Greenlaw, with interesting under planting
Diospyros kaki (Japanese persimmon) — north face Davis
Quercus acuta (Japanese Evergreen Oak) — southwest Manley
Liquidambar styraciflua (Sweetgum) — east Mangum
Cobb / Jackson rock garden

South East District

Cryptomeria japonica (Japanese Cedar) — Path from Avery to Ehringhaus Dorm

South West District

Amelanchier aborea (Shadblow, Serviceberry)
Vitex agnus-castus (Chaste Tree)
Osmanthus fortunei (Fortune's Osmanthus) — Café Caduceus landscape
Quercus velutina (Black Oak) — Beard Hall street (east façade) lawn
Styrax japonica (Japanese Snowbell)
Ulmus parvifolia (Chinese Elm)
Acer buergerianum (Trident Maple)
A weeping elm, fruit trees, an azalea garden, Osmanthus, and many other interesting plantings — Tate-Turner & McGavran lawn in general

E. Significant Landscapes

Significant Landscapes are groupings of horticultural or landscape forms that have significant historical, cultural, or aesthetic value in the aggregate, but which might be replaceable as individuals.

Susan Williams Graham Memorial “Fountain” (from Edward Kidder Graham to his wife) “The Waters of Truth Flow Freely; Drink When and Where You May” , “To Keep Fresh the Memory”

Sara Lee Gifford Memorial Garden

Thomas Wolfe Memorial

President’s House

Scuttlebutt Garden corner — which contains a planting of shrubs representing a classic 1940’s–1950’s period landscape, contains significant trees: *Fraxinus americana* (White Ash) one each sited outside the curved stone wall on both sides of Cameron Avenue entrance to the University; *Carya illinoensis* (Pecan) providing shade over shrub garden and *Ficus pumila* (Vining fig) on the Cameron street entrance wall

“The Student Body” — Hamilton — Manning sculpture Garden

Provost Dick Richardson Conversation Circle — Northwest Saunders

Senator Paul Wellstone Memorial Garden — Southwest Murphy

Walter Wheeler rock garden — Mitchell north façade

Fountain in front of Carr / Bynum — A Senior Class gift

West House garden

F. Plant Collections

Our campus is known for its superb collection of hollies, magnolias, and cypress, redwood, and cedar—parts of which have been lost in the last decade. The collections fit many of the criteria above:

1. Association with historical figures: horticulturists and scientists William C. Coker, Francis LeClair, and William Lanier Hunt
2. Legendary stature in the community
3. Representation of an important and distinguishable entity within our landscape
4. Age
5. A nature of being essential to the campus landscape aesthetic
6. Exemplary representation of the species
7. Diverse collection of botanical and horticultural interest

Individuals within the collection might also be singled out for classification within these guidelines. There are other collections of similar value to the landscape.

Holly Collection

North District

Ilex x attenuata “East Palatka” (East Palatka Holly)

Scuttlebutt garden
North façade of Hanes
Swain west
South Smith to west of New West
Piazza behind Lenoir / Manning / Murphy / Greenlaw

Ilex x attenuata “Hume #2” (Hume Holly)

South Smith to west of New West
Back northeast Alumni
Hill Hall “Quad”
Southwest corner Manley

Ilex burfordii “Burfordii” (Burford Holly)

West of Swain Hall
South side brick retaining wall South Building

Ilex cornuta “Burfordii Nana” (Dwarf Burford Holly)

Hedges along sidewalk across from Old West and Old East
Old well crescent
South façade Y-Court
South side brick retaining wall South Building – hedge, and one separate
North side brick retaining wall South Building (behind you as facing S.
Bldg) (2)

Ilex crenata (Japanese Holly)

Southeast façade Y-Court

Ilex opaca (American Holly)

Along sidewalk across from east façade Old West, at the northwest
intersection corner
West end Old Well crescent
Third “rectangle” McCorkle Place
Fourth “rectangle” McCorkle Place (4)
Fifth “rectangle” McCorkle Place
Howell Quad

[2] *Ilex opaca* “Croonenberg” – Croonenberg Hollies

Along sidewalk across from west façade Old East
Along sidewalk across from east façade Old West

Mixed collection

Caldwell Hall front landscape

Ilex vomitoria (Yaupon Holly)
Alumni front façade

Ilex vomitoria “Nana” (Dwarf Yaupon Holly)
Foundations of Old West and Old East

Ilex vomitoria “Pendula” (Weeping Yaupon Holly)
Northwest Hamilton
Hill Hall front façade
Near Alumni in Morehead “quad”

Ilex cultivar (Fastigiata Holly hybrid)
“Third rectangle” McCorkle Place
Dey north (in U-Shaped area) and Gardner South
Gerrard Hall south

South East District

Ilex x attenuata “Savannah” (Savannah Holly)
Bennett Building

Ilex opaca “Croonenberg” (Croonenberg Hollies)
Country Club / South Road entrance at sign

South West District

Ilex x attenuata “East Palatka” (East Palatka Holly)
Between Coker & Wilson Halls

Ilex x attenuata “Nellie R. Stevens” (Nellie Stevens Holly)
North corner of Manning & S. Columbia
South front woodland landscape of McGavran-Greenberg

Ilex x attenuata “Savannah” (Savannah Holly)
Coker Hall North
Coker Hall East
Coker Hall South
Wilson Hall East

Magnolia Collection (listed by location)

North District

West of Swain Hall between Swain and Scuttlebutt Garden

In front of Abernathy

East façade Abernathy

Carroll front

Northwest corner Phillips

In U-shaped area North façade of Dey, across from south Gardner façade.

Sited at each of the four corners of Old Playmakers

Hamilton northwest corner

Wilson Library north façade (2)

Manley / Mangum / Grimes / Ruffin Quad

Mangum southwest

North façade Davis Library

Northeast façade Davis Library

East streetscape Davis (Raleigh Road)

Connor Beach

Cobb / Jackson rock garden

Teague

Parker

South West District

South Road along Coker & Wilson Halls

Coker foundation plantings (2)

Wilson north façade (3)

Along the east side of Pittsboro Street as it follows the curve from Baity Labs to the intersection of Columbia and Pittsboro Street

Roseneau Hall Columbia Street

Navy Field hedge

Pittsboro & McCauley Street corner in parking lot

Cypress, Redwood, and Cedar Collection

North District

Calocedrus decurrens (Incense Cedar)

West façade South Building
Southwest corner of Murphy Hall [2]

Cryptomeria japonica (Japanese Cedar)

North façade Greenlaw – Grove
Path from Avery to Erhinghaus Dorm

Cupressocyparis leylandii (Leyland Cypress)

Mitchell south — along wall down to Fordham Hall west façade

Metasequoia glyptostroboides (Dawn Redwood)

Battle's Grove
N Sitterson
North façade Dey in alleé with all other *Taxodium*
Near Hill Annex and northeast Hanes Art boulders
SREC
Law School south woodland

Taxodium distichum (Bald Cypress)

Battle's Grove
North façade Dey alleé
South façade Y-Court
West façade Smith Hall
South Smith Hall
West façade South Building
South façade McIver dorm

South West District

Cedrus atlantica (Atlas Cedar)

Along wall south Mitchell

G. LIST OF FUTURE PROJECTS

As we worked on the other sections of this report, it became clear to us that there are landscapes on campus that are in great need of repair or renovation. The projects are varied in location, size, and scope. The first step is identification of these projects. Our hope is that the second step is to begin identification of funding for them.

Projects are listed by districts, as defined in the Campus Master Plan: the north, southwest, and southeast districts.

Suggested Projects: North Campus

1. Improve the outdoor dining area between Lenoir Hall and Manning Hall.
2. Add tree canopy in the area between Sitterson Hall and Peabody Hall.
3. Repair lack of tree canopy along South Columbia Street across from Carolina Inn.
4. Repair lack of tree canopy along South Road.
5. Landscape the area east of Davis Library between the building and the brick wall.
6. Landscape the area between Gerrard Hall, the Campus Y Building, and South Building.
7. Restore tree canopy within the Aycock/Graham/Lewis/Everett/Stacy courtyard.
8. Restore canopy around the building under construction between Wilson Library and Dey Hall.
9. Restore flowering trees on McCorkle Place. Note that existing flowering cherries are in decline.
10. Preserve some historical trees, such as the Davie Poplar, by planting their seed or cuttings.
11. Replace storm-damaged landscaping on the north side of Hill Hall along the walkway, including trees that were removed from the base of the rock wall (boundary with church property to north).
12. Landscape the area south of Davis Library between the library and the Frank Porter Graham Student Union.
13. Landscape the area between “the pit” and the west side of the Frank Porter Graham Student Union. This area badly needs some shade!
14. Rejuvenate the Sarah Gifford Memorial Garden between Howell Hall and Davie Hall.
15. Add landscaping to southeast corner of Caldwell; “a room that needs to be decorated.”

Suggested Projects: Southwest District

1. Improve trees and benches in area above the South Chiller Plant at the entrance to the medical school wings on Medical School Drive.
2. Preserve and enhance remnant forest slope on the north side of the Bell Tower lot.
3. Plant trees behind Carrington Hall to soften the tallness of the building.
4. Design a new streetscape for Manning Drive to add a tree canopy over pedestrians and to reinsert a human scale along the street.
5. Repair and enhance the streetscape along South Columbia Street.
6. Consider placing an arbor over the sidewalk along Medical Drive. Creating a canopy over pedestrians will soften the harshness of the massive adjacent buildings. It also should work to enhance one of this area’s few assets, which is

- the grand view across to the Bell Tower and remnant forests surrounding Kenan Stadium.
7. Under-plant remnant forests with subcanopy trees, lower shrubs, and perennials to enhance diversity and support wildlife.
 8. Create a campus entrance streetscape. South Columbia Street is one of the major entrances to the campus and should be treated as such, with appropriate landscape elements to welcome the public to our university.
 9. Add landscaping along the street at the School of Pharmacy area.
 10. Repair remnant forests at the corner of Manning and Columbia. This is particularly important after completion of the building additions on both north corners.
 11. Add a water element to the entrance area of the Taylor Health Center.
 12. Add more outdoor seating areas adjacent to the Taylor Health Center.
 13. The Grounds Department and Facilities Planning should work to develop a forest management plan for the Kenan Stadium/Coker Woods area in conjunction with the Athletics, Housing, Hospital, Pedestrian Safety, Alumni Association, and Special Events.

Suggested Projects: Southeast

1. The areas behind all of the new residence halls need additional landscaping. As an example, the area behind new James North Residence Hall, which is unsafe and unsightly, needs to be redesigned and repaired, specifically along the sidewalk. In contrast, the small patch of remnant woods there is desirable and should be maintained.
2. Add understory plantings to Alumni Woods and Coker Woods.
3. Add landscaping to the area on the north side of Carmichael Dorm.
4. At Craige dorm, plant the slope for erosion control, and work with natural drainage in the area to add plantings.
5. Add trees and pedestrian circulation systems to major parking lots.
6. Add landscaping along major pedestrian walkways.

Suggested Projects Throughout Campus

1. Label the most distinctive and interesting trees and landscapes.
2. Produce a guidebook to the campus landscape that stresses the importance of the whole Carolina landscape, as a collection and garden, that is, as a valuable extension of the Coker Arboretum. This guidebook would not only feature historic or large trees, but also unusual specimens and unique landscape features.
3. Initiate annual tree planting ceremonies, including alumni or class-gift trees or plantings.
4. Develop individual endowment of trees or landscapes through gifts to the university (including endowed conversation circles, such as the one at the corner of Saunders; also including the enhancement of Forest Theater by constructing plant barriers to quell traffic noise, and endowed benches like the honorary and memorial benches as in the arboretum).
5. Provide landscape tours to students and visitors to raise awareness of the richness of the Carolina landscape.

SECTION 3
GUIDELINES FOR LANDSCAPE DESIGNERS WORKING ON THE
UNC-CHAPEL HILL CAMPUS



View Towards McCorkle Place from Cameron Avenue

I. WHO SHOULD USE THESE GUIDELINES

All designers working on new construction projects, major building renovations, and road improvement or utility projects must follow these guidelines. Likewise, University employees charged with landscape design on smaller projects must be familiar with these guidelines.

II. THE GOAL OF THE GUIDELINES

We regard our campus landscape as one of our most valuable assets, and the following guidelines are meant to preserve and enhance its value for ourselves and for future generations.

III. OVERALL CAMPUS LANDSCAPE OBJECTIVES

1. Landscape architects should be a part of the design team early in the design process.
2. Existing landmarks and iconic spaces will be respected and enhanced by the landscape plan. Designers should refer to Section 2 of the task force report to identify heritage trees, landmark spaces, and significant landscapes in or near their project.



1892 photograph of The Old Well
The North Carolina Collection, UNC Library at Chapel Hill

3. Landscape plans will respect and enhance existing land forms (topography and rock outcroppings) and natural systems.



View of Rock Outcropping at Porthole Alley

4. Designers should take advantage of and develop these features as teaching tools for the greater University community.
5. Trees should be replanted where utilities have displaced them.
 - Designers should coordinate the planting of trees with the utilities, but should not sacrifice the quality of the planting. The best tree for the site should be planted.
6. The landscape design should reinforce a safe campus environment with adequate lighting and with plant material that will not create hidden areas along walkways and in the main quads. The design should provide clear way-finding for students, employees, and visitors.
7. Individual projects must be viewed within the greater context of the campus.
8. The project must accommodate existing adjacent pedestrian circulation and open spaces.
9. The landscape plan should create a hierarchy of open spaces, with views from one space to the next.
10. Where landscapes border property outside of the University, the landscape plan will respond to the context of these outside areas. Some examples of these areas are along Pittsboro Street and Country Club Drive.
11. Designers of utility and road improvement projects, as well as building projects, are responsible for conceiving carefully developed landscape plans. This requirement includes smaller projects that will pass through the University's Facilities Services divisions.
12. Plans should comply with the campus tree replacement policy described in Section 2.
13. Designers should be aware that our landscapes are used as teaching tools by the academic community and by campus neighbors. They are viewed and used by others as part of Carolina's intellectual climate.
14. Building entrances should be clearly defined.
15. Allow remnant forests to remain wherever possible.
16. Use of shade trees along the edges of open spaces is encouraged.
17. Use of flowering trees is encouraged at the entrances into open spaces.

IV. CAMPUS LANDSCAPE DESIGN GUIDELINES

A. Plan Submittals: Submittals include, but are not limited to, the plans described below:

1. **Site Analysis:** For all projects, designers must submit a complete site analysis along with the schematic design. The site analysis should include the following information:
 - The topography of the site; location of utilities; location, species, and size of trees (including their canopy line); and a brief description of the existing conditions on the site and character of the immediate surroundings (those bordering the site).
 - The outline of the proposed project, so that its impact on existing natural features is clear. (Note: depending on the graphics capabilities of the designer, one map can be used to show everything, or a second map can be used to show the location of the building; designers should use whichever option gives the clearest picture.)
 - An indication in the plan if the project will affect a heritage tree, a landmark space, or a significant landscape (see appendix for lists); if the project does affect one of these, the appropriate measures must be taken.

B. Construction Coordination: The plan must be current when received by the Grounds Department for installation. Landscape architects will be responsible for updating their plans through the construction of their project. Changes to the landscape plan should be reviewed by the University arborist, the Facilities Planning landscape architect, and the Grounds Department landscape supervisor.

C. Cost Estimates: The project landscape architect will be responsible for cost estimates at all submittals: schematic design, design development, and construction documents.

D. Surveys:

1. All projects must include surveys indicating the location of existing plant material (trees, shrubbery, and groundcover), including tree DBHs (diameter at breast height), approximate tree canopy spread, species name, the topography of the area, and existing utilities.
2. Surveys must be completed before schematic design. Until that survey is completed, the designer may use existing information from our Engineering Information Services Department.

E. Utility Impacts:

1. Each project, whether new construction or renovation, must specify utility impacts to the landscape and provide a mitigation plan for those impacts.
2. The location of hotboxes and all other utilities, such as meters and emergency generators, should be coordinated with the open space and landscape plan. Our preference, where possible, is that hotboxes (structures insulating above-ground components of the water system) be located inside of buildings.

F. Tree protection plan: A tree protection plan is required for all projects.

G. Pedestrian circulation plan: Proposed projects must include an existing pedestrian circulation plan and overlays to show how it will be changed during and after construction.

V. PLANTING GUIDELINES

1. Diversity of plants is encouraged.
 - We want landscapes with plantings that are diverse and appropriate to the North Carolina piedmont, and we want to avoid landscapes that require excessive maintenance because the plants are inappropriate to the site.
2. The Grounds Department will be responsible for installation of all planting plans, unless indicated otherwise. The general contractor will be responsible for installation of all hardscape.
3. The landscape architect is responsible for careful study of microclimate conditions on the site in order to select appropriate plants for the project.
4. We encourage the enhancement of the existing wildlife corridor throughout the campus. Where possible, designers should include plants that will provide food and shelter for wildlife. For example, much of the existing campus landscape is rich in native plants, such as hollies, red cedars, dogwoods, and persimmons, which are important fall and winter food sources for birds.
5. A recommended plant list, as well as a list of plants to be avoided (see *Invasive Plants* in appendix), is available to the project landscape architect. While this list is not all-inclusive, it is a clear indication of University preferences.
6. Potential local sources for plants specified in the plan should be identified by the landscape designer. Sources of plants should be found within our local hardiness zone.
7. Designers should study the general area that the project sits within to determine appropriate plantings. Which plants do well there? Which plants are overused or underused in the area?
8. Where projects abut streets, the plan should include street trees.
9. While we want to limit the use of turf, we do not support the use of large, unplanted mulch areas. And while we do not encourage planting within the drip line of canopy trees, we do encourage a diversity of plantings outside of this zone.
10. Irrigation and Turf:
 - Our preference is to use turf where the grades are relatively flat and where the activities of the area demand it. Because it requires high maintenance, turf should be used with discretion.
 - In order to establish healthy new plantings and to compensate for intermittent drought conditions, irrigation is required for all projects.
 - The general contractor will be responsible for installation of irrigation systems to the specifications of the Grounds Department.
 - Irrigation systems should not negatively affect existing trees.

VI. HARDSCAPE GUIDELINES

A. Streetscapes

1. Streetscapes should be designed to fit in with the Campus Master Plan pedestrian network; specifically, streetscapes should be designed to protect pedestrians, add shade to adjacent sidewalks, and generally enhance the campus's open space.
2. The streetscape should include a pedestrian safety and planting zone between the back of the curb and the edge of the sidewalk.
3. Projects that are adjacent to streets and that affect major walkways, or other projects identified by the campus Pedestrian Safety Committee, will be reviewed by the campus Pedestrian Safety Committee.

B. Parking Lots

1. Surface parking lots should be treated as "rooms" with plant material defining the "walls" and "ceiling." A good example of this is the UNC Press parking lot across from Brooks Hall on Boundary Street.
2. Landscape elements should be used to define clearly the pedestrian pathways through the parking lot, and they should connect to the adjacent pedestrian circulation system.
3. Bus shelters should be provided if buses serve the parking lot.

C. Sitting Areas and Seat Walls

1. Paved sitting areas in the landscape shall be accessible to all where possible.
2. Creation of a variety of sitting areas is encouraged. This can be accomplished by the use of the campus standard stone walls, as well as the use of the campus standard benches. The campus standard bench is a five-foot-long teak bench. An example of an acceptable bench is the "Hyde Park" Kingsley Bate bench.



Kingsley Bate Bench at Alumni Hall

3. Where sitting areas are created (more than two benches), the designer is responsible for contacting campus Recycling Services to determine whether

recycling containers are required in the area. The inclusion of ash urns should also be considered.

4. The campus-standard free-standing-and-retaining wall (up to 6' in height) is a Chatham stone wall. This is a solid stone wall, not a veneer wall. No shot stone should be used. The wall should generally run with the grade. Justification for not using this wall where walls are required must be presented for review by the campus landscape architect. Examples of this type of wall can be seen throughout campus. A reference wall should be selected, approved by the campus landscape architect, and included in the specifications.



Chatham Stone wall and Steps at Memorial Hall

5. Bike racks should be located adjacent to the main entrance to buildings where possible. They should be located outside of the pedestrian path system and should be carefully incorporated into the landscape plan. The campus-standard bike rack is the “wave” rack.
6. All pedestrian paths are to be running bond brick, laid perpendicular to the line of travel.
7. The layout of service areas for services such as recycling and trash should minimize the public view into these areas. They are to be screened from public view by the use of pierced brick screen walls.

VII. WAY-FINDING

- The landscape plan must take into account how the paths within the project area connect to the greater campus pedestrian circulation system.
- Where new exterior building signs are required, the project must replace the existing sign with the new campus standard. Visit the website at www.signs.unc.edu for the standards required.

VIII. STORMWATER

- In order to avoid increasing stormwater runoff on campus, designers should seek appropriate ways to maximize infiltration of stormwater into soil.
- Where the context, space, and adjacent existing plantings allow, the designer is encouraged to incorporate stormwater best management practices (BMPs), such as rain gardens to increase infiltration into the soil.
- Designers should refer to the UNC Design Guidelines and the UNC Stormwater Management Plan for stormwater BMP design criteria.
- The landscape architect must coordinate the landscape plan with the stormwater requirements for the project.

IX. LANDSCAPE CHARACTERISTICS AND GUIDELINES SPECIFIC TO THE THREE DISTRICTS: NORTH, SOUTHWEST, AND SOUTHEAST

Below is a map of the three districts as defined by the Campus Master Plan.



Map of Campus by District

The north (N) campus district encompasses the historic campus. It differs in atmosphere from the southeast (SE) and southwest (SW) districts, where buildings are taller and sometimes more closely spaced with less consideration given to the convenience of pedestrians. An important goal in the Campus Master Plan states that the best characteristics of the north campus landscape are to be imported to the south.

X. RECOMMENDATIONS FOR LANDSCAPE DESIGNERS WHEN WORKING IN EACH DISTRICT

A. North Campus District



The Old Well

This area includes the historic campus, where the cornerstone of the first building was laid in 1793. This area is graceful and beloved, and it is important, because for most people it represents the image of UNC at Chapel Hill. Note that this part of campus earned the University its Centennial Award from the American Society of Landscape Architects.

Characteristics

- The landscape defines the building space.
- Landscape here is more protected and is highly prized as a heritage landscape.
- There is a well-organized hierarchy of open spaces.
- The area is generally well canopied with planned trees (i.e., not as much remnant forest in this district).
- Stone walls are beautiful and provide seating throughout the district.
- There are many open green spaces.
- There is a diversity of plant material throughout the district.
- Coker Arboretum provides a quiet green respite from other busier parts of campus.
- Polk and McCorkle Places provide beauty and establish a clear system of quadrangles to organize the north campus district.
- Smaller courtyards or quadrangles look out to larger courtyards or quadrangles.
- The Cameron Avenue landscape serves as a model for the rest of the streetscapes on campus: specifically, its sidewalks set back from the street

edge, its bollards and chain to protect and separate the pedestrian from vehicular traffic, and its large canopy street trees.

- This is the sylvan landscape that students, faculty, alumni, community, and people across the nation recognize as Carolina's unique look.

Guidelines for Designers in the North Campus District

1. The landscape should continue to define the open space.
2. Preserve the tradition of hierarchy of open spaces.
3. Trees are key landscape elements. We want a diverse selection of trees. Designers should consider using underutilized native trees (like the post oaks around the future Global Education Building), and not add needlessly to already overused trees (willow oaks and red maples).
4. Every new building should provide outdoor spaces for its occupants.
5. Preserve remnant forests along Country Club Drive.
6. Preserve and protect McCorkle Place, Polk Place, Coker Arboretum, and green space south of Alderman (the big valley, also known as Battle's Grove).
7. Protect existing trees and unique geological formations as the Arts Common is developed.
8. Building renovations must preserve existing tree canopy.
9. Foundation plantings should be simple, but can be different on each side of the building.



View of South Building in Polk Place

B. Southwest Campus District

This district can be divided into two areas that differ in character:

The first area is bounded by South Road, Columbia Street, and Medical Drive. Pittsboro Street is also included in this area. This area contains some traditional buildings, such as Mitchell and Coker Halls, and it shares some building and landscape characteristics with the north campus: large canopy trees, sloping lawns, adequate green spaces, windows evenly distributed along the building facades, and buildings that are of an understandable scale.



Streetscape along South Road

The second area is the School of Medicine/UNC Hospitals area, which is best described as an urban area with the natural contour of its topography preserved. Large buildings with little space in between them create a lack of coherent, pedestrian-scaled landscape. The way-finding system is challenged by a lack of an organized streetscape on the two main streets in the area—South Columbia Street and Manning Drive. The area is further characterized below.



Hospital from Manning Drive

Characteristics

- The buildings define the spaces, as opposed to the north district, where the open spaces define the buildings. There is a sense that landscape is not seen as an asset in this area.
- Some remnant forests still exist (medical bookstore slope above Bell Tower parking lot and the site on Manning Drive slated for the new cancer center).
- Massive buildings have few to no openings or breaks in their facades.



Berryhill Hall on Medical Drive

- The streets surrounding this area, Columbia Street and Manning Drive, are poorly organized and dangerous to pedestrians.

- Streetscapes and pedestrian corridors lack landscape features and human-scaled detail.
- Old stream beds have been filled in and built upon in the Bell Tower parking lot and in parking lots along the north side of Manning Drive in front of the hospital.
- Views across the Bell Tower parking lot from Medical Drive to the Stadium area are dramatic.



View from Medical Drive to Bell Tower and North Campus

- Most courtyards between buildings have become paved service areas for vehicles rather than people.
- Little green space exists between the buildings to soften the harshness of the buildings.
- A few tiny courtyards do exist within the complex of buildings; they are not seen from Manning Drive or Columbia Street, and they offer a welcome respite. Also, the massive building interiors sometimes open to well-planted and pleasant interior courtyards. Examples of existing courtyards include:
 - Burn Center lawn area
 - Public Safety rock courtyard
 - Area between Old Dental, MacNider, and Burnett Womack
 - Courtyard at Brauer and Tarrson
 - Area outside of the Taylor Student Health area
 - Health Affairs bookstore slope that has been landscaped



Memorial Garden at Brauer and Tarrson

- Buildings in the area are more urban than those on north campus because the needs are different; however, this difference should not dictate a lack of attention to the landscape within this district. Indeed, as the landscape spaces become smaller, the spaces themselves and the detailing of those spaces become ever more important.

Guidelines for Designers in Southwest District

1. We encourage development of small sitting areas and green spaces where possible.
2. A high level of architectural and landscape detail near ground level is important in the development of the landscapes. Such near-ground-level detail will encourage the pedestrian to focus down instead of up at the towering high-rise buildings.
3. Designers should preserve and enhance remnant forests where possible. For example, the woods surrounding Kenan Stadium provide an important part of the green corridor from north to south campus and should be preserved and enhanced.
4. The lack of human-scaled landscapes and overall open green space is a problem in this district, particularly in the medical area. Where the scale of a proposed building is high-rise, it is critical to develop pedestrian-scale landscapes surrounding the building and on adjacent streetscapes. Where existing buildings are to be renovated, redevelopment of human-scaled landscapes is also encouraged.
5. There are large parking lots and decks within this district. Any additional lots, and improvements to existing lots, should include tree canopy distributed evenly throughout the lot and its surrounding edges, and should be coordinated with a pedestrian circulation system.
6. Way-finding is a critical element of this area. Students, faculty, staff, and many visitors come to this area daily, from other parts of campus and other parts of the town and state. Way-finding should be coordinated with the hospital.
7. Projects abutting streets should include provisions for improvements to the adjacent streetscape as needed. Designers should check with the Facilities Planning landscape architect for areas that have been targeted for improvements.

8. There are dramatic changes in topography within this area. It is the University's expectation that walks around buildings and between connecting buildings will be accessible where possible.
9. The slopes surrounding the Bell Tower parking lot should be reforested with species best suited to the microclimate. Views from one side to the other should be preserved and enhanced.
10. Canopy trees should be added on the inside (or north and west sides) of Medical Drive to soften the impact of high-rise buildings along its edge.
11. The inclusion of fragrance, color, and water as devices to distract people from their high-stress environment is particularly important in the courtyard landscapes used by hospital patients and employees.
12. We encourage designers to plant flowering trees between buildings to enhance the views from inside the building to the outside.

C. Southeast Campus District



Soccer Field and Track from an Area Between Carmichael and Teague Halls

This district is bounded by South Road, Ridge Road, and Manning Drive, but also includes areas to the south of Manning along Skipper Bowles Drive and around the Dean Smith Center and Kenan-Flagler Business School. Generally this area is dominated by athletic and recreation fields, their facilities, and student housing. The older residence halls are set among rapidly diminishing remnant forests. The dramatic changes in topography have tended to isolate this area from north campus.

Characteristics

- High-rise residence halls built in the 1960s were originally set into a rolling green landscape surrounded by a forested edge. In contrast, newly built residence halls define and dominate their landscapes.
- The many tracts of remnant forests are among this district's most attractive features.

- The Pinetum is a part of this district, a wooded tract that contains the Meeting of the Waters Creek, a valuable campus asset.
- Old stream bottoms have been filled and built upon in this area, creating challenges for stormwater management in the area.
- The topography in this area, as in the southwest district, changes dramatically across the district. The fragile wooded slopes should be carefully protected.



Fragile Slope behind New James Residence Halls

- The area comprising playing fields and athletic facilities lacks pedestrian circulation. Pedestrians are forced to walk around this area, using Stadium Drive, South Road, and Ridge Road, instead of walking through it.
- Manning Drive in front of the new residence halls has been improved with new landscaping. These improvements disappear as one approaches the hospital area.
- Cars drive too fast between Manning Drive, Ehringhaus, and 15-501.
- A particularly lovely wooded walk is one beginning from South Road, along the east side of the Bell Tower and Kenan Stadium, through the Alumni Center, along Ehringhaus fields, and up to Ehringhaus Dorm.
- The views of the Dean Smith Center and Business School vast parking lots are not attractive.



View Across the Business School Parking Deck

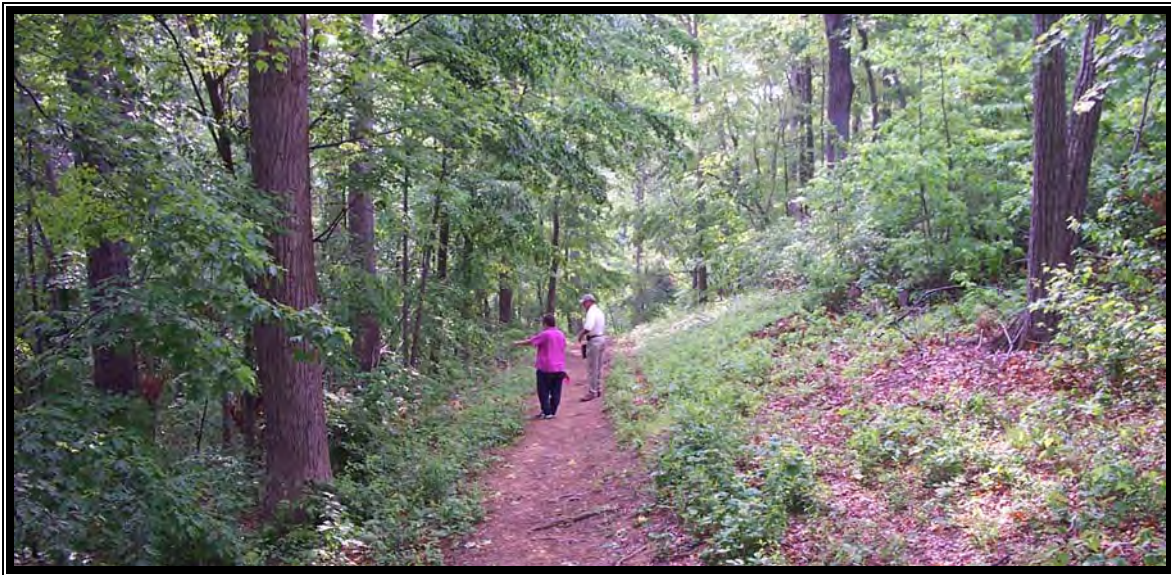
- The new Ram's Head project is an important link between the north and south campus pedestrian circulation system.
- Trellises and new landscaping (where it exists) around the new residence halls on Manning Drive are attractive.
- In general, there is a lack of developed landscapes, including sitting areas and passive recreation around residence halls in this district. The only developed outdoor spaces around the dorms are for bike racks, basketball courts, and volleyball courts.
- A desirable woodland setting and green lawns still predominate around parts of Craig, Morrison, and Ehringhaus Residence Halls.
- In particular, use of a long deck and bridge from the front of Craig Residence Hall to Manning Drive shows sensitivity in preserving the existing remnant forest in front of Craig.
- This is an area in transition. It used to feel isolated from the rest of campus, but is now nearer the center of activity as the rest of campus, medical affairs, and additional housing approach it. A stronger connection to the north campus area is still needed.

Guidelines for Designers in the Southeast District

1. Landscape plans for new or renovated residence halls should include a variety of carefully detailed and differently sized outdoor sitting spaces around the building. These spaces should be designed so that there are areas for quiet reflection and reading, as well as areas for outdoor seminars.
2. Treed buffers between residence halls and adjacent athletic fields should be maintained and enhanced.
3. Landscaping should be improved along pedestrian corridors from north to south.
4. Residence-hall landscapes present a unique opportunity to inform residents about the environment in which they live. We encourage designers to develop a plant palette that includes fragrance and color and that supports wildlife. Where possible, stormwater should be used to irrigate the landscapes .
5. While the landscapes of north campus cannot always be directly transferred to south campus, elements of the north campus landscapes, such as the stone walls,

clear pedestrian circulation systems, generous tree canopy along streets and open spaces, simple yet diverse planting designs, and the hierarchy of open green spaces, should be incorporated into all south campus designs.

6. Open green spaces should be as flexible as possible so that a variety of recreational opportunities can be provided.
7. Designers should preserve and enhance remnant forests surrounding the residence halls.
8. The Pinetum should be protected and enhanced.
9. Seek ways to further build Manning Drive's image as an attractive and functional gateway into the campus.



Walk along Meeting of the Waters Creek in the Pinetum

10. Further development of pedestrian connections in this district are of critical importance. An important first step in this was the development of the Ram's Head project to connect the north and south campus. Development of pedestrian bridges on South Road and the walkway from Ram's Head around Morrison on both sides will also be critical. Other pedestrian connections across the athletic practice fields from east to west, and development of a better pedestrian connection along Ridge Road, will also help to connect north to south.

XI. APPENDICES

PLANT LISTS FOR UNC-CHAPEL HILL: INCLUDING BOTH PLANTS TO USE AND PLANTS TO AVOID

The lists in this section are intended for landscape architects and others, specifying plants for new or renovated landscapes on the Carolina campus. “Others” refers to our own University employees with responsibility for choosing plants.

The plants listed here are Southeastern US natives or exotics that have proved their usefulness in Southeastern landscapes. The lists below should make it clear that we want designers to use their imagination and avoid overreliance on the 40 to 50 plants currently in vogue. The UNC-Chapel Hill landscape tradition has been enriched for over 200 years by gardeners and botanists with a keen interest in plants. Campus landscapes should be functional, but they should be interesting and beautiful, too.

Several notes of interest here:

1. The lists provided will be monitored and updated on a regular basis.
2. We expect that designers will provide a reasonable source for all plants specified on their plans.
3. An herbaceous plant list has not been provided, but may be in the future.
4. As stated in our planting guidelines in section 3, we expect that designers will not only use this list, but become familiar with the microclimate(s) and conditions on and surrounding the site to inform them as to the best plant choices.

APPENDIX OVERVIEW

A. Broadleaf Evergreens.....	20
B. Deciduous Native Shrubs.....	33
C. Deciduous Non-Native Shrubs.....	40
D. Deciduous Trees.....	45
E. Evergreen Trees.....	51
F. Invasive Plants.....	54

A. Broadleaf Evergreens

Abelia 'Edward Goucher'	Aucuba japonica 'Nana'
Abelia x grandiflora	Aucuba japonica 'Nana Cuspidata'
Abelia x grandiflora 'Compacta'	Aucuba japonica 'Nana Rotundifolia'
Abelia x grandiflora 'Confetti'	Aucuba japonica 'Picturata'
Abelia x grandiflora 'Dwarf Purple'	Aucuba japonica 'Rozannie'
Abelia x grandiflora 'Francis Mason'	Aucuba japonica 'Salicifolia'
Abelia x grandiflora 'Golden Glow'	Aucuba japonica 'Serratifolia'
Abelia x grandiflora 'John Creech'	Aucuba japonica 'Sulphur'
Abelia x grandiflora 'Little Richard'	Aucuba japonica 'Sulphurea Marginata'
Abelia x grandiflora 'Prostrata'	Aucuba japonica var. borealis
Abelia x grandiflora 'Really Pink'	Aucuba japonica var. himalaica
Abelia x grandiflora 'Sherwoodii'	Aucuba japonica 'Variegata'
Abelia x grandiflora 'Sunrise'	Aucuba japonica 'Variegata Nana'
Acca sellowiana 'Variegata'	Aucuba japonica 'Wisley Nana'
Agarista populifolia	Buddleja lindleyana 'Gloster'
Arbutus unedo	Buddleja lindleyana 'Mayflower'
Arbutus unedo 'Compacta'	Buddleja lindleyana 'Miss Vicie'
Arbutus unedo 'Elfin King'	Buddleja salviifolia
Arbutus unedo 'Quercifolia'	Buxus microphylla
Arbutus unedo 'Rubra'	Buxus microphylla 'Compacta'
Aucuba chinensis	Buxus microphylla 'Curly Locks'
Aucuba japonica	Buxus microphylla 'Green Beauty'
Aucuba japonica 'Bicolor'	Buxus microphylla 'Green Pillow'
Aucuba japonica 'Copdock Seedling'	Buxus microphylla 'Hanlim'
Aucuba japonica 'Crassifolia'	Buxus microphylla 'Kingsville Dwarf'
Aucuba japonica 'Crotonifolia'	Buxus microphylla 'Morris Midget'
Aucuba japonica 'Elegans'	Buxus microphylla 'National'
Aucuba japonica 'Elegantissima'	Buxus microphylla 'Pincushion'
Aucuba japonica 'Fructo Albo'	Buxus microphylla 'Richardii'
Aucuba japonica 'Gold Spot'	Buxus microphylla 'Sunnyside'
Aucuba japonica 'Golden King'	Buxus microphylla 'Tall Boy'
Aucuba japonica 'Goldieana'	Buxus microphylla 'Tide Hill'
Aucuba japonica 'Limbata'	Buxus microphylla var. insularis
Aucuba japonica 'Longifolia'	Buxus microphylla var. insularis x B. sempervirens 'Chicagoland Green'
Aucuba japonica 'Macrophylla'	Buxus microphylla var. insularis x B. sempervirens 'Green Gem'
Aucuba japonica 'Maculata'	Buxus microphylla var. insularis x B. sempervirens 'Green Ice'
Aucuba japonica 'Mr. Goldstrike'	

Buxus microphylla var. *insularis* x *B. sempervirens* 'Green Mound'
Buxus microphylla var. *insularis* x *B. sempervirens* 'Green Mountain'
Buxus microphylla var. *insularis* x *B. sempervirens* 'Green Velvet'
Buxus microphylla var. *japonica*
Buxus microphylla var. *koreana*
Buxus microphylla var. *sinica*
Buxus microphylla 'Winter Beauty'
Buxus microphylla 'Winter Gem'
Buxus microphylla 'Wintergreen'
Buxus sempervirens
Buxus sempervirens 'Angustifolia'
Buxus sempervirens 'Arborescens'
Buxus sempervirens 'Argenteo-variegata'
Buxus sempervirens 'Aurea-pendula'
Buxus sempervirens 'Bass'
Buxus sempervirens 'Bullata'
Buxus sempervirens 'Elegantissima'
Buxus sempervirens 'Graham Blandy'
Buxus sempervirens 'Handsworthiensis'
Buxus sempervirens 'Hermann von Schrenk'
Buxus sempervirens 'Inglis'
Buxus sempervirens 'Myrtifolia'
Buxus sempervirens 'Newport Blue'
Buxus sempervirens 'Northern Beauty'
Buxus sempervirens 'Northern Find'
Buxus sempervirens 'Northland'
Buxus sempervirens 'Pendula'
Buxus sempervirens 'Pullman'
Buxus sempervirens 'Rosmarinifolia'
Buxus sempervirens 'Rotundifolia'
Buxus sempervirens 'Suffruticosa'
Buxus sempervirens 'Vardar Valley'
Buxus sempervirens 'Variegata'
Buxus sempervirens 'Welleri'
Buxus sempervirens 'Zehring'
Callistemon sieberi
Camellia japonica - zone 7 cultivars
Camellia oleifera
Camellia sasanqua
Camellia sasanqua 'Bonanza'
Camellia sasanqua 'Carolina Moonmist'
Camellia sasanqua 'Cleopatra'

Camellia sasanqua 'Daydream'
Camellia sasanqua 'Hana Jiman'
Camellia sasanqua 'Jean May'
Camellia sasanqua 'Maiden's Blush'
Camellia sasanqua 'Martha's Dream'
Camellia sasanqua 'Midnight Lover'
Camellia sasanqua 'Mine-No-Yuki'
Camellia sasanqua 'Northern Lights'
Camellia sasanqua 'Pink Butterfly'
Camellia sasanqua 'Pink Goddess'
Camellia sasanqua 'Pink Snow'
Camellia sasanqua 'Setsugekka'
Camellia sasanqua 'Shishigashira'
Camellia sasanqua 'Sparkling Burgundy'
Camellia sasanqua 'Swan Lake'
Camellia sasanqua 'Usi Bene'
Camellia sasanqua 'Wm. Lanier Hunt'
Camellia sasanqua 'Yuletide'
Camellia sinensis
Camellia sinensis 'Rosea'
Choisya ternata
Choisya ternata 'Aztec Pearl'
Choisya ternata 'Sundance'
Cistus laurifolius
Cleyera japonica
Cleyera japonica 'Fortunei'
Cleyera japonica 'Tricolor'
Cliftonia monophylla
Corokia cotoneaster
Corokia x *virgata*
Cotoneaster congestus
Cotoneaster congestus 'Likiang'
Cotoneaster conspicuus
Cotoneaster conspicuus var. *decorus*
Cotoneaster dammeri
Cotoneaster dammeri 'Canadian Creeper'
Cotoneaster dammeri 'Eichholz'
Cotoneaster dammeri 'Lowfast'
Cotoneaster dammeri 'Major'
Cotoneaster dammeri 'Mooncreeper'
Cotoneaster dammeri 'Streib's Findling'
Cotoneaster dammeri var. *radicans*
Cotoneaster microphyllus
Cotoneaster microphyllus 'Cooperi'
Cotoneaster microphyllus 'Emerald Spray'

Cotoneaster microphyllus 'Teulon Porter'
 Cotoneaster microphyllus var. colcheatus
 Cotoneaster microphyllus var. thymifolius
 Cotoneaster salicifolius 'Autumn Fire'
 Cotoneaster salicifolius 'Emerald Carpet'
 Cotoneaster salicifolius 'Gnom'
 Cotoneaster salicifolius 'Herbstfeuer'
 Cotoneaster salicifolius 'Parkteppich'
 Cotoneaster salicifolius 'Repandens'
 Cotoneaster salicifolius 'Repens'
 Cotoneaster salicifolius 'Saldam'
 Cotoneaster salicifolius 'Scarlet Leader'
 Cotoneaster x suecicus 'Coral Beauty'
 Cotoneaster x suecicus 'Pink Beauty'
 Cotoneaster x suecicus 'Royal Beauty'
 Cotoneaster x suecicus 'Skogholm'
 Cyrilla racemiflora
 Danae racemosa
 Daphne x burkwoodii
 Daphne x burkwoodii 'Arthur Burkwood'
 Daphne x burkwoodii 'Astrid'
 Daphne x burkwoodii 'Briggs Moonlight'
 Daphne x burkwoodii 'Carol Mackie'
 Daphne x burkwoodii 'G.K. Argles'
 Daphne x burkwoodii 'Lavenrii'
 Daphne x burkwoodii 'Silveredge'
 Daphne x burkwoodii 'Somerset'
 Daphne x burkwoodii 'Somerset Gold Edge'
 Daphne x burkwoodii 'Somerset Variegated'
 Daphne cneorum
 Daphne cneorum 'Alba'
 Daphne cneorum 'Eximia'
 Daphne cneorum 'Pygmaea'
 Daphne cneorum 'Pygmaea Alba'
 Daphne cneorum 'Ruby Glow'
 Daphne cneorum var. verlotii
 Daphne cneorum 'Variegata'
 Daphne odora
 Daphne odora 'Alba'
 Daphne odora 'Aureomarginata'
 Daphne odora 'Leucanthe'
 Daphne odora 'Mazeli'
 Daphne odora 'Rose Queen'
 Daphne odora 'Rubra'
 Daphne odora 'Rubra Variegated'
 Daphne odora 'Variegata'
 Daphne odora 'Walberton'
 Daphniphyllum humile
 Desfontainia spinosa
 Distylium racemosum
 Distylium racemosum 'Guppy'
 Distylium racemosum 'Variegatum'
 Erica x darleyensis
 Eurya emarginata
 Eurya japonica
 Eurya japonica 'Winter Wine'
 Fatshedera lizei
 Fatsia japonica
 Fatsia japonica 'Aurea'
 Fatsia japonica 'Manchu Fan'
 Fatsia japonica 'Moseri'
 Fatsia japonica 'Variegata'
 Feijoa sellowiana
 Gardenia augusta 'Chuck Hayes'
 Gardenia augusta 'Daisy'
 Gardenia augusta 'Daruma'
 Gardenia augusta 'Grif's Select'
 Gardenia augusta 'Kleim's Hardy'
 Gardenia augusta 'Prostrata'
 Gardenia augusta 'Radicans'
 Gardenia augusta 'Radicans Variegata'
 Gardenia augusta 'Veitchii'
 Gardenia augusta 'Veitchii Improved'
 Gardenia augusta 'White Gem'
 Gardenia jasminoides
 Hypericum x inodorum 'Aurea'
 Hypericum x inodorum 'Elstead'
 Hypericum x inodorum 'Gold Pansy'
 Hypericum x inodorum 'Summergold'
 Hypericum x inodorum 'Ysella'
 Ilex aquifolium 'Gold Coast'
 Ilex aquifolium 'Monvila'
 Ilex x attenuata 'Hoosier Waif'
 Ilex cornuta 'Carissa'
 Ilex cornuta 'Grandview'
 Ilex cornuta 'Rotunda'
 Ilex crenata cv's
 Ilex 'Emily Bruner'
 Ilex glabra 'Alba'
 Ilex glabra 'Bronze'

Ilex glabra 'Cape Cod'
Ilex glabra 'Chamzin'
Ilex glabra 'Compacta'
Ilex glabra 'Densa'
Ilex glabra 'Dilatush'
Ilex glabra 'Dodd Compact'
Ilex glabra f. leucocarpa
Ilex glabra f. leucocarpa 'Ivory Queen'
Ilex glabra 'Georgia Wine'
Ilex glabra 'Green Billow'
Ilex glabra 'Hawksridge'
Ilex glabra 'Nigra'
Ilex glabra 'Nordic'
Ilex glabra 'Nova Scotia'
Ilex glabra 'Princeton Compact'
Ilex glabra 'Shamrock'
Ilex glabra 'Squat'
Ilex glabra 'Steed'
Ilex glabra 'Tin Mine'
Ilex glabra 'UGA'
Ilex glabra 'UMASS'
Ilex glabra 'Viridis'
Ilex vomitoria
Ilex vomitoria 'Bordeaux'
Ilex vomitoria 'Condeaux'
Ilex vomitoria 'Dare County'
Ilex vomitoria 'Dodd's Cranberry'
Ilex vomitoria 'Dodd's Yellow'
Ilex vomitoria 'Dwarf'
Ilex vomitoria 'Fencerow'
Ilex vomitoria 'Folsom's Weeping'
Ilex vomitoria 'Gold Top'
Ilex vomitoria 'Goodyear'
Ilex vomitoria 'Gray's Green Leaf'
Ilex vomitoria 'Gray's Little Leaf'
Ilex vomitoria 'Hightower'
Ilex vomitoria 'Hoskin Shadow'
Ilex vomitoria 'Jewel'
Ilex vomitoria 'Katherine'
Ilex vomitoria 'Kathy Ann'
Ilex vomitoria 'Lynn Lowery'
Ilex vomitoria 'Nana'
Ilex vomitoria 'Pendula'
Ilex vomitoria 'Poole's Best'
Ilex vomitoria 'Pride of Houston'

Ilex vomitoria 'Sandy Hook'
Ilex vomitoria 'Saratoga Gold'
Ilex vomitoria 'Schillings'
Ilex vomitoria 'Shadow's Female'
Ilex vomitoria 'Slim's Select'
Ilex vomitoria 'Stephens Compact'
Ilex vomitoria 'Stephens Weeping'
Ilex vomitoria 'Stokes Dwarf'
Ilex vomitoria 'Straughan's'
Ilex vomitoria 'Straughan's Dwarf'
Ilex vomitoria 'Tricolor'
Ilex vomitoria 'Virginia Dare'
Ilex vomitoria 'Wiggins'
Ilex vomitoria 'Wiggins Yellow'
Ilex vomitoria 'Will Fleming'
Ilex vomitoria 'Yawkey'
Illicium anisatum
Illicium anisatum 'Pink Stars'
Illicium floridanum
Illicium floridanum 'Alba'
Illicium floridanum 'Halley's Comet'
Illicium floridanum 'Head-Lee Compact'
Illicium floridanum 'Jo's Variegated'
Illicium floridanum 'Peeblebrook'
Illicium floridanum 'Pink Form'
Illicium floridanum 'Semmes'
Illicium floridanum 'Shady Lady'
Illicium floridanum 'Thayer'
Illicium floridanum 'Variegated Form'
Illicium henryi
Illicium lanceolatum
Illicium mexicanum
Illicium mexicanum 'Aztec Fire'
Illicium parviflorum
Illicium parviflorum 'Forest Green'
Itea japonica 'Beppu'
Itea japonica 'Nana'
Itea virginica
Itea virginica 'Henry's Garnet'
Itea virginica 'Little Henry'
Itea virginica 'Long Spire'
Itea virginica 'Merlot'
Itea virginica 'Sarah Eve'
Itea virginica 'Saturnalia'
Itea virginica 'Shirley's Compact'

Itea virginica 'Sprich'
Kalmia angustifolia
Kalmia angustifolia 'Candida'
Kalmia angustifolia 'Hammonasset'
Kalmia angustifolia 'Kennebago'
Kalmia angustifolia 'Poke Logan'
Kalmia angustifolia 'Rosea'
Kalmia angustifolia 'Rubra'
Kalmia cuneata
Kalmia hirsuta
Kalmia latifolia 'Keepsake'
Kalmia latifolia 'Snowdrift'
Kalmia latifolia 'Sunset'
Kalmia latifolia 'Twenty'
Lavandula angustifolia
Lavandula angustifolia 'Alba'
Lavandula angustifolia 'Hidcote'
Lavandula angustifolia 'Munstead'
Lavandula stoechas
Leucophyllum langmanae
Leucophyllum langmanae 'Lynn's Everblooming'
Leucothoe axillaris
Leucothoe axillaris 'Augusta Evans Wilson'
Leucothoe axillaris 'Beulah'
Leucothoe axillaris 'Compacta'
Leucothoe axillaris 'Dodd's Variegated'
Leucothoe axillaris 'Florida'
Leucothoe axillaris 'Greensprite'
Leucothoe axillaris 'Holly'
Leucothoe axillaris 'Lipsbolwi'
Leucothoe axillaris 'Macaria'
Leucothoe axillaris 'Red Lips'
Leucothoe axillaris 'Redsprite'
Leucothoe axillaris 'Sarah's Choice'
Leucothoe catesbaei
Leucothoe fontanesiana
Leucothoe fontanesiana 'Girard's Rainbow'
Leucothoe fontanesiana 'Lovita'
Leucothoe fontanesiana 'Mary Elizabeth'
Leucothoe fontanesiana 'Nana'
Leucothoe fontanesiana 'Rollisoni'
Leucothoe fontanesiana 'Scarletta'
Leucothoe fontanesiana 'Silver Run'
Leucothoe fontanesiana 'Trivar'
Leucothoe populifolia
Ligustrum japonicum cv's
Lindera aggregata
Lithocarpus densiflorus
Lithocarpus edulis
Loropetalum chinense 'Hillier Form'
Loropetalum chinense 'Snow Dance'
Loropetalum chinense 'Snow Muffin'
Loropetalum chinense var. *rubrum* 'Bicolor'
Loropetalum chinense var. *rubrum* 'Blush'
Loropetalum chinense var. *rubrum* 'Burgundy'
Loropetalum chinense var. *rubrum* 'Daybreak's Flame'
Loropetalum chinense var. *rubrum* 'Fire Dance'
Loropetalum chinense var. *rubrum* 'Hines Burgundy'
Loropetalum chinense var. *rubrum* 'Hines Purpleleaf'
Loropetalum chinense var. *rubrum* 'Monraz'
Loropetalum chinense var. *rubrum* 'Pink Pearl'
Loropetalum chinense var. *rubrum* 'Pipa's Red'
Loropetalum chinense var. *rubrum* 'Piroche Form'
Loropetalum chinense var. *rubrum* 'Pizzazz'
Loropetalum chinense var. *rubrum* 'Plum Delight'
Loropetalum chinense var. *rubrum* 'Razzleberri'
Loropetalum chinense var. *rubrum* 'Ruby'
Loropetalum chinense var. *rubrum* 'Sizzlin' Pink'
Loropetalum chinense var. *rubrum* 'Small Leaf Form'
Loropetalum chinense var. *rubrum* 'Suzanne'
Loropetalum chinense var. *rubrum* 'Variegated Form'
Loropetalum chinense var. *rubrum* 'Zhuzhou Fuchsia'
Loropetalum chinense 'Variegated Form'
Lyonia lucida
Lyonia lucida 'Morris Minor'
Magnolia virginiana
Magnolia virginiana Dodd Small Leaf Form 'Appalachi'
Magnolia virginiana Dodd Small Leaf Form 'Cahaba'
Magnolia virginiana Dodd Small Leaf Form 'Coosa'
Magnolia virginiana Dodd Small Leaf Form 'Perdido'
Magnolia virginiana Dodd Small Leaf Form 'Tensaw'
Magnolia virginiana 'Green Shadow'
Magnolia virginiana 'Large Flowered Strain'
Magnolia virginiana 'Louisiana Evergreen'
Magnolia virginiana 'Mayer'
Magnolia virginiana 'Porcelain Dove'
Magnolia virginiana 'Ravenswood'
Magnolia virginiana 'Satellite'
Magnolia virginiana 'Variegata'
Magnolia virginiana 'Virginia Watson'

Mahonia aquifolium	Nandina domestica
Mahonia aquifolium 'Apollo'	Nandina domestica 'Alba'
Mahonia aquifolium 'Atropurpureum'	Nandina domestica 'Atropurpurea Nana'
Mahonia aquifolium 'Compactum'	Nandina domestica 'Aurea'
Mahonia aquifolium 'Donewell'	Nandina domestica 'Compacta'
Mahonia aquifolium 'Emerald'	Nandina domestica 'Compacta Nana'
Mahonia aquifolium 'Forescate'	Nandina domestica 'Firepower'
Mahonia aquifolium 'Golden Abundance'	Nandina domestica 'Gulf Stream'
Mahonia aquifolium 'King's Ransom'	Nandina domestica 'Harbour Dwarf'
Mahonia aquifolium 'Mayhan Strain'	Nandina domestica 'Kurijusi'
Mahonia aquifolium 'Moseri'	Nandina domestica 'Lanham'
Mahonia aquifolium 'Orange Flame'	Nandina domestica 'Lemon Hill'
Mahonia aquifolium 'Smaragd'	Nandina domestica 'Lowboy'
Mahonia 'Arthur Menzies'	Nandina domestica 'Lutea'
Mahonia bealei	Nandina domestica 'Minima'
Mahonia fortunei	Nandina domestica 'Monum'
Mahonia gracilis	Nandina domestica 'Moon Bay'
Mahonia japonica	Nandina domestica 'Moyer's Red'
Mahonia x media	Nandina domestica 'Nana'
Mahonia x media 'Buckland'	Nandina domestica 'Nana Purpurea'
Mahonia x media 'Charity'	Nandina domestica 'Okame'
Mahonia x media 'Faith'	Nandina domestica 'Orihime'
Mahonia x media 'Hope'	Nandina domestica 'Pink Daze'
Mahonia x media 'Lionel Fortescue'	Nandina domestica 'Plum Passion'
Mahonia x media 'Underway'	Nandina domestica 'Pygmaea'
Mahonia x media 'Winter Sun'	Nandina domestica 'Richmond'
Mahonia nervosa	Nandina domestica 'Royal Princess'
Mahonia pinnata	Nandina domestica 'San Gabriel'
Mahonia x wagneri	Nandina domestica 'Town and Country'
Mahonia x wagneri 'King's Ransom'	Nandina domestica 'Umpqua Chief'
Michelia figo	Nandina domestica 'Umpqua Princess'
Michelia figo 'Port Wine'	Nandina domestica 'Umpqua Warrior'
Michelia figo 'Stubbs Purple'	Nandina domestica var. leucocarpa
Michelia x hybrida cv's	Nandina domestica 'Variegata'
Myrica cerifera 'Club Med'	Nandina domestica 'Wood's Dwarf'
Myrica cerifera 'Don's Dwarf'	Nandina domestica 'Yellow Fruited'
Myrica cerifera 'Emperor'	Nerium oleander 'Hardy Pink'
Myrica cerifera 'Fairfax'	Nerium oleander 'Hardy Red'
Myrica cerifera 'Georgia Gem'	Nerium oleander 'Hardy White'
Myrica cerifera 'Hiwassee'	Nerium oleander 'Sugarland'
Myrica cerifera 'King's Dwarf'	Osmanthus americanus
Myrica cerifera 'Luray'	Osmanthus armatus
Myrica cerifera 'Lynn's Dwarf'	Osmanthus x burkwoodii
Myrica cerifera var. pumila	Osmanthus decorus
Myrica pusilla	Osmanthus delavayi

Osmanthus x fortunei
Osmanthus x fortunei 'Fruitlandii'
Osmanthus x fortunei 'San Jose'
Osmanthus x fortunei 'Variegatus'
Osmanthus heterophyllus
Osmanthus heterophyllus 'Aureomarginatus'
Osmanthus heterophyllus 'Aureus'
Osmanthus heterophyllus 'Fastigiata'
Osmanthus heterophyllus 'Goshiki'
Osmanthus heterophyllus 'Gulftide'
Osmanthus heterophyllus 'Head-Lee Fastigiata'
Osmanthus heterophyllus 'Kembu'
Osmanthus heterophyllus 'Latifolius Variegatus'
Osmanthus heterophyllus 'Myrtifolius'
Osmanthus heterophyllus 'Ogon'
Osmanthus heterophyllus 'Purpureus'
Osmanthus heterophyllus 'Rotundifolius'
Osmanthus heterophyllus 'Sasaba'
Osmanthus heterophyllus 'Variegatus'
Osmanthus ilicifolius
Osmanthus megacarpus
Osmanthus serrulatus
Paxistima mysinites
Persea borbonia
Persea borbonia var. *pubescens*
Persea palustris
Photinia glabra
Photinia glabra 'Rosea Marginata'
Photinia glabra 'Rubens'
Photinia serrulata
Photinia serrulata 'Aculeata'
Photinia serrulata 'Rotundiloba'
Pieris formosa 'Forest Flame'
Pieris japonica
Pieris japonica 'Bert Chandler'
Pieris japonica 'Bisbee Dwarf'
Pieris japonica 'Blush'
Pieris japonica 'Boltman's Pink'
Pieris japonica 'Bonsai'
Pieris japonica 'Captain Blood'
Pieris japonica 'Cavatine'
Pieris japonica 'Christmas Cheer'
Pieris japonica 'Coleman'
Pieris japonica 'Compacta'
Pieris japonica 'Crispa'
Pieris japonica 'Crystal'
Pieris japonica 'Daisen'
Pieris japonica 'Debutante'
Pieris japonica 'Deep Pink'
Pieris japonica 'Dorothy Wyckoff'
Pieris japonica 'Firecrest'
Pieris japonica 'Flaming Silver'
Pieris japonica 'Flamingo'
Pieris japonica 'Geisha'
Pieris japonica 'Grayswood'
Pieris japonica 'John's Select'
Pieris japonica 'Karenoma'
Pieris japonica 'La Rocaille'
Pieris japonica 'Little Heath'
Pieris japonica 'Little Heath Green'
Pieris japonica 'Mountain Fire'
Pieris japonica 'Nana'
Pieris japonica 'Nocturne'
Pieris japonica 'Pink Delight'
Pieris japonica 'Prelude'
Pieris japonica 'Purity'
Pieris japonica 'Pygmaea'
Pieris japonica 'Red Bud'
Pieris japonica 'Red Mill'
Pieris japonica 'Rosalinda'
Pieris japonica 'Ryu Kuensis'
Pieris japonica 'Sarabonde'
Pieris japonica 'Scarlett O'Hara'
Pieris japonica 'Shojo'
Pieris japonica 'Snowdrift'
Pieris japonica 'Spring Snow'
Pieris japonica 'Summer Hill'
Pieris japonica 'Sweetwater'
Pieris japonica 'Temple Bells'
Pieris japonica 'Valentine's Day'
Pieris japonica 'Valley Fire'
Pieris japonica 'Valley Rose'
Pieris japonica 'Valley Valentine'
Pieris japonica var. *amamiana*
Pieris japonica var. *yakushmanum*
Pieris japonica 'Variegata'
Pieris japonica 'Wada's Pink'
Pieris japonica 'White Caps'
Pieris japonica 'White Cascade'
Pieris japonica 'White Pearl'

Pieris japonica 'White Rim'
Pieris japonica 'White Water'
Pittosporum tobira 'Tall 'N Tough'
Podocarpus alpinus
Prunus caroliniana
Prunus caroliniana 'Bright 'N Tight'
Prunus caroliniana 'Cherry Ruffles'
Prunus caroliniana 'Compacta'
Prunus laurocerasus
Prunus laurocerasus 'Forest Green'
Prunus laurocerasus 'Majestic Jade'
Prunus laurocerasus 'Schipkaensis'
Prunus laurocerasus 'Zabeliana'
Prunus lusitana
Prunus lusitana 'Angustifolia'
Prunus lusitana 'Myrtifolia'
Prunus lusitana 'Ormistonensis'
Prunus lusitana 'Variegata'
Quercus phillyreoides
Quercus phillyreoides 'Emerald Sentinel'
Rhododendron carolinianum
Rhododendron carolinianum 'Album'
Rhododendron carolinianum 'Carolina Gold'
Rhododendron carolinianum 'Luteum'
Rhododendron carolinianum 'White Perfection'
Rhododendron catawbiense 'Purpureum Elegans'
Rhododendron Dexter Hybrids
Rhododendron Encore Hybrid 'Autumn Amethyst'
Rhododendron Encore Hybrid 'Autumn Cheer'
Rhododendron Encore Hybrid 'Autumn Embers'
Rhododendron Encore Hybrid 'Autumn Rouge'
Rhododendron Encore Hybrid 'Autumn Royalty'
Rhododendron Girard Hybrids
Rhododendron Glenn Dale Hybrids
Rhododendron Greenwood Hybrids
Rhododendron Harris Hybrids
Rhododendron Hines Hybrids
Rhododendron Indica Types
Rhododendron Kurume Hybrids
Rhododendron Leach Hybrids
Rhododendron Linwood Hybrids
Rhododendron Mehlquist Hybrids
Rhododendron minus
Rhododendron minus var. *chapmanii* 'White'
Rhododendron minus var. *chapmanii* 'Wonder'
Rhododendron Nearing Hybrids
Rhododendron Pericat Hybrids
Rhododendron Pericat Hybrids
Rhododendron Polly Hill's North Tisbury Hybrids
Rhododendron Robin Hill Hybrids
Rhododendron Satsuki Hybrids
Rhododendron Shammarello Hybrids
Rhododendron Vuykiana Hybrids
Rosmarinus officinalis
Rosmarinus officinalis 'Arp'
Rosmarinus officinalis 'Beneden Blue'
Rosmarinus officinalis 'Blue Spire'
Rosmarinus officinalis 'Huntington Carpet'
Rosmarinus officinalis 'Miss Jessop's Upright'
Rosmarinus officinalis 'Prostratus'
Rosmarinus officinalis 'Roseus'
Rosmarinus officinalis 'Tuscan Blue'
Ruscus aculeatus
Ruscus aculeatus 'Wheeler's Variety'
Santolina chamaecyparissus
Santolina chamaecyparissus 'Lambrook Silver'
Santolina chamaecyparissus 'Lemon Queen'
Santolina chamaecyparissus 'Little Ness'
Santolina chamaecyparissus 'Nana'
Santolina chamaecyparissus 'Plumosus'
Santolina chamaecyparissus 'Pretty Carol'
Santolina chamaecyparissus 'Weston'
Santolina rosmarinifolia
Santolina virens
Santolina virens 'Lemon Fizz'
Santolina virens 'Primrose Gem'
Sarcococca confusa
Sarcococca hookeriana
Sarcococca hookeriana var. *digyna*
Sarcococca hookeriana var. *digyna* 'Purple Stem'
Sarcococca hookeriana var. *humilis*
Sarcococca orientalis
Sarcococca ruscifolia
Sarcococca ruscifolia var. *chinensis*
Serissa foetida
Skimmia x confusa 'Chelsea Physic'
Skimmia x confusa 'Isabella'
Skimmia x confusa 'Kew Green'
Skimmia japonica
Skimmia japonica 'Bronze Knight'

Skimmia japonica 'Foremanii'
Skimmia japonica 'Fructo-albo'
Skimmia japonica 'Nymans'
Skimmia japonica 'Rubella'
Skimmia japonica 'Ruby Dome'
Skimmia japonica 'Ruby King'
Skimmia japonica 'Veitchii'
Skimmia japonica 'Wakehurst White'
Skimmia laureola
Skimmia laureola 'Fragrant Cloud'
Skimmia reevesiana
Skimmia reevesiana 'Chilan Choice'
X Stranvinia 'Redstart'
Sycopsis sinensis
Ternstroemia gymnanthera
Ternstroemia gymnanthera 'Burgundy'
Ternstroemia gymnanthera 'Burnished Gold'
Ternstroemia gymnanthera 'Copper Crown'
Ternstroemia gymnanthera 'Dodd Littleleaf'
Ternstroemia gymnanthera 'Emory'
Ternstroemia gymnanthera 'Grevan'
Ternstroemia gymnanthera 'Grewad'
Ternstroemia gymnanthera 'Greyou'
Ternstroemia gymnanthera 'Grimes'
Ternstroemia gymnanthera 'Jade Tiara'
Ternstroemia gymnanthera 'Phyllis Ann'
Ternstroemia gymnanthera 'Sovereign'
Ternstroemia gymnanthera 'Variegata'
Teucrium chamaedrys
Teucrium chamaedrys 'Nanum'
Teucrium chamaedrys 'Variegatum'
Trochodendron aralioides
Vaccinium arboreum
Viburnum x burkwoodii 'Conoy'
Viburnum 'Chippewa'
Viburnum cinnamomifolium
Viburnum davidii
Viburnum davidii 'Jermyn's Globe'
Viburnum 'Huron'
Viburnum japonicum
Viburnum odoratissimum
Viburnum odoratissimum 'Red Tip'
Viburnum x pragense
Viburnum x pragense 'Decker'
Viburnum rhytidophyllum

Viburnum rhytidophyllum 'Cree'
Viburnum rhytidophyllum 'Green Trump'
Viburnum rhytidophyllum 'Roseum'
Viburnum rhytidophyllum 'Variegatum'
Viburnum utile
Yucca filamentosa
Yucca filamentosa 'Ivory Tower'
Yucca filamentosa 'Starburst'
Yucca filifera
Yucca flaccida
Yucca flaccida 'Bright Edge'
Yucca flaccida 'Color Guard'
Yucca flaccida 'Garland Gold'
Yucca flaccida 'Golden Sword'
Yucca flaccida 'Hofer's Blue'
Yucca glauca
Yucca glauca 'Rosea'
Yucca glauca var. *stricta*
Yucca gloriosa
Yucca recurvifolia
Yucca smalliana

Needle Evergreens

Abies homolepis 'Prostrata'
Biota orientalis
Calocedrus decurrens 'Compacta'
Cephalotaxus fortunei
Cephalotaxus fortunei 'Prostrate Spreader'
Cephalotaxus harringtonii
Cephalotaxus harringtonii 'Duke Gardens'
Cephalotaxus harringtonii 'Fastigiata'
Cephalotaxus harringtonii 'Fastigiata Aurea'
Cephalotaxus harringtonii 'Fritz Huber'
Cephalotaxus harringtonii 'Gnome'
Cephalotaxus harringtonii 'Korean Gold'
Cephalotaxus harringtonii 'Mary Fleming'
Cephalotaxus harringtonii 'Nana'
Cephalotaxus harringtonii 'Prostrata'
Cephalotaxus harringtonii var. *drupacea*
Chamaecyparis obtusa 'Filicoides'
Chamaecyparis obtusa 'Nana'
Chamaecyparis obtusa 'Nana Gracilis'
Chamaecyparis pisifera 'Filifera'
Chamaecyparis pisifera 'Filifera Aurea'

Chamaecyparis pisifera 'Squarrosa Minima'
Chamaecyparis thyoides 'Andelyensis Meth Dwarf'
Chamaecyparis thyoides 'Andelyensis Nana'
Chamaecyparis thyoides 'Compacta Glauca'
Chamaecyparis thyoides 'Conica'
Chamaecyparis thyoides 'Ericoides'
Chamaecyparis thyoides 'Glauca'
Chamaecyparis thyoides 'Heatherbun'
Chamaecyparis thyoides 'Little Jamie'
Chamaecyparis thyoides 'Maine Selection'
Chamaecyparis thyoides 'Meth Dwarf'
Chamaecyparis thyoides 'Nana'
Chamaecyparis thyoides 'Purple Heather'
Chamaecyparis thyoides 'Pygmaea'
Chamaecyparis thyoides 'Pyramidata'
Chamaecyparis thyoides 'Shiva'
Chamaecyparis thyoides 'Top Point'
Chamaecyparis thyoides 'Webb Gold'
Cryptomeria japonica 'Elegans'
Cryptomeria japonica 'Elegans Aurea'
Cryptomeria japonica 'Elegans Compacta'
Cryptomeria japonica 'Globosa Nana'
Cryptomeria japonica 'Gyokuryu'
Cryptomeria japonica 'Lycopodioides'
Cryptomeria japonica 'Vilmoriniana'
Juniperus chinensis 'Ames'
Juniperus chinensis 'Angelica Blue'
Juniperus chinensis 'Aquarius'
Juniperus chinensis 'Armstrong'
Juniperus chinensis 'Bakaurea'
Juniperus chinensis 'Blaauw'
Juniperus chinensis 'Blaauw Golden'
Juniperus chinensis 'Blue and Gold'
Juniperus chinensis 'Blue Pfitzer'
Juniperus chinensis 'Blue Point'
Juniperus chinensis 'Blue Vase'
Juniperus chinensis 'Bordiers'
Juniperus chinensis 'Daub's Frosted'
Juniperus chinensis 'Dropmore'
Juniperus chinensis 'Fruitlandii'
Juniperus chinensis 'Globosa'
Juniperus chinensis 'Globosa Cinerea'
Juniperus chinensis 'Gold Coast'
Juniperus chinensis 'Gold Lace'
Juniperus chinensis 'Gold Star'
Juniperus chinensis 'Golden Glow'
Juniperus chinensis 'Hetz Glauca Pyramid'
Juniperus chinensis 'Hetzii'
Juniperus chinensis 'Hetzii Glauca'
Juniperus chinensis 'Hills Blue'
Juniperus chinensis 'Holbert'
Juniperus chinensis 'Hooks'
Juniperus chinensis 'Iowa'
Juniperus chinensis 'Kaizuka'
Juniperus chinensis 'Kaizuka Variegated'
Juniperus chinensis 'Kallays Compacta'
Juniperus chinensis 'Keteleeri'
Juniperus chinensis 'Kohankies Compact'
Juniperus chinensis 'Kuriwao Gold'
Juniperus chinensis 'Kuriwao Mist'
Juniperus chinensis 'Kuriwao Sunburst'
Juniperus chinensis 'Mac's Golden'
Juniperus chinensis 'Maney'
Juniperus chinensis 'Mathot'
Juniperus chinensis 'Matthew's Blue'
Juniperus chinensis 'Milky Way'
Juniperus chinensis 'Mint Julep'
Juniperus chinensis 'Monlep'
Juniperus chinensis 'Mordigan'
Juniperus chinensis 'Mordigan Aurea'
Juniperus chinensis 'Mountbatten'
Juniperus chinensis 'Nick's Compact'
Juniperus chinensis 'Obelisk'
Juniperus chinensis 'Old Gold'
Juniperus chinensis 'Pfitzeriana'
Juniperus chinensis 'Pfitzeriana Aurea'
Juniperus chinensis 'Pfitzeriana Compacta'
Juniperus chinensis 'Pfitzeriana Glauca'
Juniperus chinensis 'Pfitzeriana Gold Lace'
Juniperus chinensis 'Pfitzeriana Kallay'
Juniperus chinensis 'Pfitzeriana Moraine'
Juniperus chinensis 'Pfitzeriana Nelson's Compact'
Juniperus chinensis 'Pfitzeriana Nick's Compacta'
Juniperus chinensis 'Pfitzeriana Owens'
Juniperus chinensis 'Pfitzeriana Plumosa'
Juniperus chinensis 'Plumosa'
Juniperus chinensis 'Plumosa Albovariegata'
Juniperus chinensis 'Plumosa Aurea'
Juniperus chinensis 'Plumosa Aureovariegata'
Juniperus chinensis 'Pyramidalis'

Juniperus chinensis 'Ramlosa'
 Juniperus chinensis 'Robusta Green'
 Juniperus chinensis 'Sarcoxie'
 Juniperus chinensis 'Saybrook Gold'
 Juniperus chinensis 'Sea Green'
 Juniperus chinensis 'Shimpaku'
 Juniperus chinensis 'Shoosmith'
 Juniperus chinensis 'Spartan'
 Juniperus chinensis 'Spearmint'
 Juniperus chinensis 'Story'
 Juniperus chinensis 'Sulphur Spray'
 Juniperus chinensis 'Torulosa'
 Juniperus chinensis 'Wintergreen'
 Juniperus communis
 Juniperus communis 'Compressa'
 Juniperus communis 'Depressa'
 Juniperus communis 'Depressa Aurea'
 Juniperus communis 'Echiniformis'
 Juniperus communis 'Gold Cone'
 Juniperus communis 'Golden Shower'
 Juniperus communis 'Hills Vaseyi'
 Juniperus communis 'Pencil Point'
 Juniperus communis 'Sentinel'
 Juniperus communis 'Silver Mile'
 Juniperus deppeana 'McFetters'
 Juniperus horizontalis 'Hermit'
 Juniperus pachyphlaea
 Juniperus sabina
 Juniperus sabina 'Blue Forest'
 Juniperus sabina 'Hicksii'
 Juniperus sabina 'Hoar Frost'
 Juniperus sabina 'Pepin'
 Juniperus sabina 'Variegata'
 Juniperus sabina 'Von Ehren'
 Juniperus scopulorum 'Hillborn's Silver Globe'
 Juniperus scopulorum 'Lakewood Globe'
 Juniperus scopulorum 'Platinum'
 Juniperus scopulorum 'Tabletop'
 Juniperus squamata
 Juniperus squamata 'Blue Alps'
 Juniperus squamata 'Blue Star'
 Juniperus squamata 'Blue Swede'
 Juniperus squamata 'Chinese Silver'
 Juniperus squamata 'Gold Tip'
 Juniperus squamata 'Golden Flash'
 Juniperus squamata 'Holger'
 Juniperus squamata 'Hunnetorp'
 Juniperus squamata 'Loderi'
 Juniperus squamata 'Meyeri'
 Juniperus squamata 'Pygmaea'
 Juniperus virginiana 'Blue Cloud'
 Juniperus virginiana 'Blue Mountain'
 Juniperus virginiana 'Globosa'
 Juniperus virginiana 'Grey Owl'
 Juniperus virginiana 'Hillii'
 Juniperus virginiana 'Kosteri'
 Juniperus virginiana 'Manhattan Blue'
 Juniperus virginiana 'Nova'
 Juniperus virginiana 'O'Connor'
 Juniperus virginiana 'Silver Spreader'
 Juniperus virginiana 'Tripartita'
 Picea abies 'Clanbrassiliana'
 Picea abies 'Maxwellii'
 Picea abies 'Nidiformis'
 Picea abies 'Procumbens'
 Picea abies 'Pumila'
 Picea abies 'Repens'
 Picea omorika 'Expansa'
 Picea omorika 'Machala'
 Picea omorika 'Nana'
 Picea orientalis 'Gowdy'
 Picea orientalis 'Nana'
 Picea orientalis 'Pendula'
 Picea orientalis 'Weeping Dwarf'
 Picea pungens f. glauca 'Bakeri'
 Picea pungens f. glauca 'Blue Kiss'
 Picea pungens f. glauca 'Globosa'
 Picea pungens f. glauca 'Montgomery'
 Picea pungens f. glauca 'Thume'
 Picea pungens 'Glaucia Globosa'
 Picea pungens 'Glaucia Pendula'
 Picea pungens 'Glaucia Procumbens'
 Picea pungens 'Glaucia Prostrata'
 Pinus aristata
 Pinus aristata 'Sherwood Compact'
 Pinus densiflora 'Globosa'
 Pinus densiflora 'Heavy Bud'
 Pinus densiflora 'Jane Kluis'
 Pinus densiflora 'Large Bud'
 Pinus densiflora 'Pendula'

Pinus densiflora 'Tanyosho'	Sciadopitys verticillata 'Picola'
Pinus densiflora 'Tiny Temple'	Sciadopitys verticillata 'Richie's Cushion'
Pinus densiflora 'Umbraculifera'	Sequoia sempervirens 'Adpressa'
Pinus densiflora 'Umbraculifera Compacta'	Sequoia sempervirens 'Albospicata'
Pinus flexilis 'Glauca Pendula'	Sequoia sempervirens 'Prostrata'
Pinus flexilis 'Glenmore Dwarf'	Taxus baccata 'Adpressa'
Pinus flexilis 'Nana'	Taxus chinensis
Pinus koraiensis 'Winton'	Taxus cuspidata
Pinus mugo	Taxus x media
Pinus mugo 'Amber Gold'	Thuja koraiensis
Pinus mugo 'Aurea'	Thuja occidentalis 'Aurea'
Pinus mugo 'Big Tuna'	Thuja occidentalis 'Boisbraind'
Pinus mugo 'Gnom'	Thuja occidentalis 'Boothii'
Pinus mugo 'Mitsch Mini'	Thuja occidentalis 'Brabant'
Pinus mugo 'Mops'	Thuja occidentalis 'Brandon'
Pinus mugo 'Ophir'	Thuja occidentalis 'Canadian Green'
Pinus mugo 'Sherwood Compact'	Thuja occidentalis 'Chalet'
Pinus mugo 'Slavinii'	Thuja occidentalis 'Danica'
Pinus mugo 'Valley Cushion'	Thuja occidentalis 'Elegantissima'
Pinus mugo var. mugo	Thuja occidentalis 'Ellwangeriana'
Pinus mugo var. pumilio	Thuja occidentalis 'Ellwangeriana Aurea'
Pinus nigra 'ENCI'	Thuja occidentalis 'Emerald'
Pinus nigra 'Hornibrookiana'	Thuja occidentalis 'Globosa'
Pinus parviflora 'Adcock's Dwarf'	Thuja occidentalis 'Golden Globe'
Pinus parviflora 'Bergman'	Thuja occidentalis 'Hetz Midget'
Pinus strobus 'Compacta'	Thuja occidentalis 'Holmstrup'
Pinus strobus 'Minima'	Thuja occidentalis 'Little Gem'
Pinus strobus 'Nana'	Thuja occidentalis 'Little Giant'
Pinus strobus 'Prostrata'	Thuja occidentalis 'Mission'
Pinus strobus 'Pumila'	Thuja occidentalis 'Ohlendorffii'
Pinus taeda 'Al's Dwarf'	Thuja occidentalis 'Pendula'
Pinus taeda 'Nana'	Thuja occidentalis 'Rheingold'
Pinus thunbergii 'Aocha Matsu'	Thuja occidentalis 'Rosenthalii'
Pinus thunbergii 'Compacta'	Thuja occidentalis 'Sherwood Moss'
Pinus thunbergii 'Globosa'	Thuja occidentalis 'Smaragd'
Pinus thunbergii 'Iseli'	Thuja occidentalis 'Sunkist'
Pinus thunbergii 'Mini Mounds'	Thuja occidentalis 'Techny'
Pinus thunbergii 'Mt. Hood Prostrate'	Thuja occidentalis 'Umbraculifera'
Pinus thunbergii 'Pygmaea'	Thuja occidentalis 'Wareana'
Pinus thunbergii 'Shioguro'	Thuja occidentalis 'Woodwardii'
Pinus thunbergii 'Thunderhead'	Thuja occidentalis 'Yellow Ribbon'
Platycladus orientalis	Thuja orientalis
Pseudotsuga menziesii 'Fletcheri'	Thuja orientalis 'Aurea Nana'
Sciadopitys verticillata 'Green Star'	Thuja orientalis 'Baker'
Sciadopitys verticillata 'Jim Cross'	Thuja orientalis 'Beverleyensis'

Thuja orientalis 'Blue Cone'
 Thuja orientalis 'Bonita'
 Thuja orientalis 'Compacta'
 Thuja orientalis 'Conspicua'
 Thuja orientalis 'Elegantissima'
 Thuja orientalis 'Filiformis Aurea'
 Thuja orientalis 'Filiformis Erecta'
 Thuja orientalis 'Fruitlandii'
 Thuja orientalis 'Golden Ball'
 Thuja orientalis 'Green Cone'
 Thuja orientalis 'Juniperoides'
 Thuja orientalis 'Meldensis'
 Thuja orientalis 'Minima'
 Thuja orientalis 'Sieboldii'
 Thuja orientalis 'Westmont'
 Thuja plicata 'Cuprea'
 Thuja plicata 'George Washington'
 Thuja plicata 'Grune Kugel'
 Thuja plicata 'Hillier'
 Thuja plicata 'Holly Turner'
 Thuja plicata 'Pumila'
 Thuja plicata 'Pygmaea'
 Thuja plicata 'Rogersii'
 Thuja plicata 'Stoneham Gold'
 Thuja plicata 'Stribling'
 Thuja plicata 'Winter Pink'
 Thujopsis dolabrata 'Laetevirens'
 Thujopsis dolabrata 'Nana'
 Tsuga canadensis 'Pendula'
 Tsuga canadensis 'Sargentii'
 Tsuga caroliniana 'Compacta'
 Tsuga caroliniana 'Greenbrier'
 Tsuga caroliniana 'La Bar's Weeping'

Semi-evergreen Shrubs

Abelia 'Edward Goucher'
 Ceanothus x delilianus
 Ceanothus x delilianus 'Gloire de Versailles'
 Croton alabamensis
 Daphne x burkwoodii
 Hypericum beanii
 Hypericum kouytchense
 Hypericum lancasteri

Itea japonica 'Beppu'
 Itea japonica 'Nana'
 Itea virginica
 Itea virginica 'Henry's Garnet'
 Itea virginica 'Little Henry'
 Itea virginica 'Long Spire'
 Itea virginica 'Merlot'
 Itea virginica 'Sarah Eve'
 Itea virginica 'Saturnalia'
 Itea virginica 'Shirley's Compact'
 Itea virginica 'Sprich'
 Magnolia virginiana
 Mahoberberis neubertii
 Myrica pensylvanica
 Myrica pensylvanica 'Myda'
 Myrica pensylvanica 'Myriman'
 Rosa laevigata
 Serissa foetida
 Sycoparrotia semidecidua
 Symplocos tinctoria
 Vaccinium arboreum
 Viburnum x burkwoodii
 Viburnum x burkwoodii 'Anne Russell'
 Viburnum x burkwoodii 'Chenaultii'
 Viburnum x burkwoodii 'Chesapeake'
 Viburnum x burkwoodii 'Eskimo'
 Viburnum x burkwoodii 'Fulbrook'
 Viburnum x burkwoodii 'Mohawk'
 Viburnum x burkwoodii 'Park Farm Hybrid'
 Viburnum x burkwoodii 'Sarcoxie'
 Viburnum 'Chippewa'
 Viburnum 'Huron'
 Viburnum macrocephalum
 Viburnum macrocephalum var. keteleeri
 Viburnum obovatum
 Viburnum obovatum 'St. Paul'
 Viburnum x rhytidophylloides
 Viburnum x rhytidophylloides 'Alleghany'
 Viburnum x rhytidophylloides 'Dart's Duke'
 Viburnum x rhytidophylloides 'Holland'
 Viburnum x rhytidophylloides 'Willowwood'
 Zenobia pulverulenta
 Zenobia pulverulenta 'Raspberry Ripple'

B. Deciduous Native Shrubs

Aesculus glabra var. *nana*
Aesculus parviflora
Aesculus parviflora var. *serotina*
Aesculus parviflora var. *serotina* 'Rogers'
Aesculus pavia 'Humilis'
Aesculus splendens
Aesculus sylvatica
Alnus maritima
Alnus serrulata
Amelanchier arborea
Amelanchier arborea 'Autumn Brilliance'
Amelanchier arborea 'Autumn Sunset'
Amelanchier arborea 'Ballerina'
Amelanchier arborea 'Cole'
Amelanchier arborea 'Cumulus'
Amelanchier arborea 'Forest Prince'
Amelanchier arborea 'Glenn's Upright'
Amelanchier arborea 'Jackie'
Amelanchier arborea 'Lustre'
Amelanchier arborea 'Majestic'
Amelanchier arborea 'Prince Charles'
Amelanchier arborea 'Prince William'
Amelanchier arborea 'Princess Diana'
Amelanchier arborea 'R.J. Hilton'
Amelanchier arborea 'Rainbow Pillar'
Amelanchier arborea 'Robin Hill'
Amelanchier arborea 'Rubescens'
Amelanchier arborea 'Silver Fountain'
Amelanchier arborea 'Snowcloud'
Amelanchier arborea 'Spring Glory'
Amelanchier arborea 'Sprizam'
Amelanchier arborea 'Strata'
Amelanchier arborea 'Tradition'
Amelanchier arborea 'Trazam'
Amelanchier arborea 'White Pillar'
Amelanchier canadensis
Amelanchier laevis
Amorpha fruticosa
Amorpha fruticosa 'Albiflora'
Amorpha fruticosa 'Coerulea'
Amorpha fruticosa 'Crispa'
Amorpha fruticosa 'Dark Lance'
Amorpha fruticosa 'Lewisii'
Amorpha fruticosa 'Pendula'
Aralia spinosa
Aronia arbutifolia
Aronia arbutifolia 'Brilliant'
Aronia arbutifolia 'Erecta'
Aronia melanocarpa
Aronia melanocarpa 'Autumn Magic'
Aronia melanocarpa 'Iroquois Beauty'
Aronia melanocarpa 'Morton'
Aronia melanocarpa var. *elata*
Aronia melanocarpa 'Viking'
Asimina parviflora
Asimina triloba
Asimina triloba 'Davis'
Asimina triloba 'Mitchell'
Asimina triloba 'Overleese'
Asimina triloba 'Sunflower'
Asimina triloba 'Sweet Alice'
Asimina triloba 'Triple Cross #1'
Asimina triloba 'Wilson'
Baccharis glomerulifera
Baccharis halimifolia
Baccharis halimifolia 'White Caps'
Baccharis neglecta
Betula nigra 'Fox Valley'
Betula nigra 'Tecumseh Compact'
Callicarpa americana
Callicarpa americana 'Russell Montgomery'
Callicarpa americana var. *lactea*
Calycanthus fertilis
Calycanthus floridus
Calycanthus floridus 'Athens'
Calycanthus floridus 'Edith Wilder'
Calycanthus floridus 'Katherine'
Calycanthus floridus 'Luslawice'
Calycanthus floridus 'Margarita'
Calycanthus floridus 'Michael Lindsey'
Calycanthus floridus 'Mrs. Henry's Variety'
Calycanthus floridus 'Purpureus'
Calycanthus floridus 'Towe'
Calycanthus floridus 'Urbana'
Calycanthus mohrii
Calycanthus occidentalis
Castanea alnifolia
Castanea pumila
Catalpa bignonioides 'Nana'
Ceanothus americanus
Cephalanthus occidentalis
Cercis canadensis 'Dwarf White'
Cercis canadensis subsp. *mexicana*
Chilopsis linearis
Chilopsis linearis 'Alpine'
Chilopsis linearis 'Burgundy'

Chilopsis linearis 'Marfa Lace'
Chilopsis linearis 'Regal'
Chilopsis linearis 'Tejas'
Chionanthus pygmaeus
Chionanthus virginicus
Chionanthus virginicus 'Floyd'
Clethra acuminata
Clethra acuminata 'Old Spice'
Clethra alnifolia
Clethra alnifolia 'Anne Bidwell'
Clethra alnifolia 'Arnold Arboretum Selection'
Clethra alnifolia 'Chattanooga'
Clethra alnifolia 'Clea'
Clethra alnifolia 'Compacta'
Clethra alnifolia 'Connecticut Pink'
Clethra alnifolia 'Creel's Calico'
Clethra alnifolia 'Fern Valley Late Sweet'
Clethra alnifolia 'Fern Valley Pink'
Clethra alnifolia 'Hokie Pink'
Clethra alnifolia 'Hummingbird'
Clethra alnifolia 'Nova Scotia'
Clethra alnifolia 'Paniculata'
Clethra alnifolia 'Pink Spires'
Clethra alnifolia 'Rosea'
Clethra alnifolia 'Ruby Spice'
Clethra alnifolia 'September Beauty'
Clethra alnifolia 'Sherry Sue'
Clethra alnifolia 'Sixteen Candles'
Clethra alnifolia 'Sweet Suzanne'
Clethra alnifolia var. *tomentosa*
Clethra tomentosa
Clethra tomentosa 'Cottdale'
Cornus alternifolia
Cornus alternifolia 'Argentea'
Cornus amomum
Cornus asperifolia
Cornus asperifolia var. *drummondii*
Cornus florida 'Compacta'
Cornus florida 'Pygmaea'
Cornus obliqua
Cornus racemosa
Cornus racemosa 'Geauga'
Cornus racemosa 'Geazam'
Cornus racemosa 'Mahoning'
Cornus racemosa 'Mahzam'
Cornus racemosa 'Muskingum'
Cornus racemosa 'Muszam'
Cornus racemosa 'Slavinii'
Cornus racemosa 'Slavin's Dwarf'
Cornus sericea
Cornus sericea 'Allemans'
Cornus sericea 'Cardinal'
Cornus sericea f. *baileyi*
Cornus sericea 'Flaviramea'
Cornus sericea 'Isanti'
Cornus sericea 'Kelseyi'
Cornus sericea 'Nitida'
Cornus sericea 'Silver and Gold'
Cornus sericea 'Sunshine'
Cornus sericea var. *coloradensis*
Cornus sericea var. *coloradensis* 'Cheyenne'
Cornus sericea 'White Gold'
Corylus americana
Corylus americana 'Bixby'
Corylus americana 'Buchanan'
Corylus americana 'Potomac'
Corylus americana 'Reed'
Corylus cornuta
Corylus cornuta 'Manoka'
Corylus cornuta 'Peoaka'
Cotinus obovatus
Cotinus obovatus 'Red Leaf'
Croton alabamensis
Cyrilla racemiflora
Diervilla lonicera
Diervilla lonicera 'Copper'
Diervilla rivularis
Diervilla rivularis 'Morton'
Diervilla rivularis 'Summer Stars'
Diervilla sessilifolia
Diervilla sessilifolia 'Butterfly'
Diervilla x splendens
Dirca occidentalis
Dirca palustris
Elliottia racemosa
Erythrina herbacea
Erythrina herbacea 'Alba'
Euonymus americanus
Euonymus atropurpureus
Fothergilla gardenii
Fothergilla gardenii 'Aiken County'
Fothergilla gardenii 'Berkeley County'
Fothergilla gardenii 'Blue Mist'
Fothergilla gardenii 'Colleton County'
Fothergilla gardenii 'Eastern Form'
Fothergilla gardenii 'Epstein Form'
Fothergilla gardenii 'Jane Platt'
Fothergilla gardenii 'September Morn'
Fothergilla gardenii 'Woodbridge Elite'
Fothergilla major

Fothergilla major 'Arkansas Beauty'	Hydrangea quercifolia 'Roanoke'
Fothergilla major 'Black Mountain'	Hydrangea quercifolia 'Sikes Dwarf'
Fothergilla major 'Huntsman'	Hydrangea quercifolia 'Snow Giant'
Fothergilla major 'Kelly's Select'	Hydrangea quercifolia 'Snow Queen'
Fothergilla major 'Mt. Airy'	Hydrangea quercifolia 'Snowflake'
Fothergilla major 'Sea Spray'	Hydrangea quercifolia 'Tennessee Clone'
Fothergilla monticola	Hydrangea quercifolia 'Wade Mahlke'
Franklinia alatamaha	Hypericum densiflorum
Gleditsia triacanthos var. inermis 'Elegantissima'	Hypericum densiflorum 'Creel's Gold Star'
Halesia parviflora	Hypericum frondosum
Halesia tetraptera 'Meehanii'	Hypericum frondosum 'Sunburst'
Hamamelis macrophylla	Hypericum kalmianum
Hamamelis vernalis	Hypericum kalmianum 'Ames'
Hamamelis vernalis 'Autumn Embers'	Hypericum prolificum
Hamamelis vernalis 'Carnea'	Ilex amelanchier
Hamamelis vernalis 'Christmas Cheer'	Ilex decidua
Hamamelis vernalis 'Lombart's Weeping'	Ilex decidua 'Byers Golden'
Hamamelis vernalis 'Pendula'	Ilex decidua 'Council Fire'
Hamamelis vernalis 'Red Imp'	Ilex decidua 'Finch's Golden'
Hamamelis vernalis 'Sandra'	Ilex decidua 'Gold Finch'
Hamamelis vernalis 'Sashay'	Ilex decidua 'Hartline'
Hamamelis vernalis 'Squib'	Ilex decidua 'Pocahontas'
Hamamelis virginiana	Ilex decidua 'Red Cascade'
Hamamelis virginiana 'Little Susie'	Ilex decidua 'Red Escort'
Hydrangea arborescens	Ilex decidua 'Reed'
Hydrangea arborescens 'Annabelle'	Ilex decidua 'Sentry'
Hydrangea arborescens 'Eco Pink Puff'	Ilex decidua 'Sundance'
Hydrangea arborescens 'Grandiflora'	Ilex decidua 'Warren's Red'
Hydrangea arborescens 'Green Knight'	Ilex laevigata
Hydrangea arborescens 'Highland Lace'	Ilex laevigata 'Hervey Robinson'
Hydrangea arborescens 'Sterilis'	Ilex longipes
Hydrangea arborescens subsp. discolor	Ilex montana
Hydrangea arborescens subsp. radiata	Ilex verticillata
Hydrangea quercifolia	Ilex verticillata 'Afterglow'
Hydrangea quercifolia 'Alice'	Ilex verticillata 'Alfred Anderson'
Hydrangea quercifolia 'Alison'	Ilex verticillata 'Aquinnah'
Hydrangea quercifolia 'Back Porch'	Ilex verticillata 'Aurantiaca'
Hydrangea quercifolia 'Camelot'	Ilex verticillata 'Berry Nice'
Hydrangea quercifolia 'Cloud Nine'	Ilex verticillata 'Bright Horizon'
Hydrangea quercifolia 'Dayspring'	Ilex verticillata 'Cacapon'
Hydrangea quercifolia 'Gloster Form'	Ilex verticillata 'Christmas Gem'
Hydrangea quercifolia 'Harmony'	Ilex verticillata 'Chrysocarpa'
Hydrangea quercifolia 'Joe McDaniel'	Ilex verticillata 'Compacta'
Hydrangea quercifolia 'John Wayne'	Ilex verticillata 'Earlbright'
Hydrangea quercifolia 'Late Hand'	Ilex verticillata 'Fairfax'
Hydrangea quercifolia 'Luverne Pink'	Ilex verticillata 'Fire Storm'
Hydrangea quercifolia 'Lynn Lowrey'	Ilex verticillata 'Golden Verboom'
Hydrangea quercifolia 'Patio Pink'	Ilex verticillata 'Hoogendorn'
Hydrangea quercifolia 'Pee Wee'	Ilex verticillata 'Jackson'
Hydrangea quercifolia 'Picnic Hill'	Ilex verticillata 'Jim Dandy'

Ilex verticillata 'Jimmy Peters'
Ilex verticillata 'Johnny Come Lately'
Ilex verticillata 'Jolly Red'
Ilex verticillata 'Kennebago'
Ilex verticillata 'Macrocarpa'
Ilex verticillata 'Maryland Beauty'
Ilex verticillata 'Millcreek'
Ilex verticillata 'Nana'
Ilex verticillata 'Oosterwijk'
Ilex verticillata 'Peter's Fireworks'
Ilex verticillata 'Quansoo'
Ilex verticillata 'Quitsa'
Ilex verticillata 'Ralph E. Lincoln'
Ilex verticillata 'Red Sprite'
Ilex verticillata 'Rhett Butler'
Ilex verticillata 'Ruby Red'
Ilex verticillata 'Scarlett O'Hara'
Ilex verticillata 'Shaver'
Ilex verticillata 'Shortcake'
Ilex verticillata 'Southern Gentleman'
Ilex verticillata 'Spriber'
Ilex verticillata 'Stoplight'
Ilex verticillata 'Sunset'
Ilex verticillata 'Tiasquam'
Ilex verticillata 'Winter Gold'
Ilex verticillata 'Winter Red'
Ilex verticillata x *I. serrata* 'Christmas Cheer'
Itea virginica
Itea virginica 'Henry's Garnet'
Itea virginica 'Little Henry'
Itea virginica 'Long Spire'
Itea virginica 'Merlot'
Itea virginica 'Sarah Eve'
Itea virginica 'Saturnalia'
Itea virginica 'Shirley's Compact'
Itea virginica 'Sprich'
Leitneria floridana
Leucothoe fontanesiana
Leucothoe fontanesiana 'Scarletta'
Leucothoe racemosa
Leucothoe axillaris
Leucothoe axillaris 'Greensprite'
Lindera benzoin
Lindera benzoin 'Green Gold'
Lindera benzoin 'Rubra'
Lindera benzoin 'Xanthocarpa'
Liquidambar styraciflua 'Carnival'
Liquidambar styraciflua 'Gum Ball'
Liquidambar styraciflua 'Lollipop'
Liquidambar styraciflua 'Oconee'

Lyonia mariana
Magnolia ashei
Magnolia ashei 'Florida'
Magnolia ashei 'Northern'
Magnolia pyramidata
Magnolia pyramidata 'Neva Black'
Magnolia pyramidata 'Texas Strain'
Magnolia virginiana
Magnolia virginiana Dodd Small Leaf Form 'Appalachi'
Magnolia virginiana Dodd Small Leaf Form 'Cahaba'
Magnolia virginiana Dodd Small Leaf Form 'Coosa'
Magnolia virginiana Dodd Small Leaf Form 'Perdido'
Magnolia virginiana Dodd Small Leaf Form 'Tensaw'
Magnolia virginiana 'Large Flowered Strain'
Magnolia virginiana 'Mayer'
Magnolia virginiana 'Porcelain Dove'
Magnolia virginiana 'Ravenswood'
Magnolia virginiana 'Variegata'
Magnolia virginiana 'Virginia Watson'
Myrica pensylvanica
Myrica pensylvanica 'Myda'
Myrica pensylvanica 'Myriman'
Neviusia alabamensis
Neviusia cliftonii
Philadelphus inodorus
Philadelphus microphyllus
Physocarpus monogynus
Physocarpus opulifolius
Physocarpus opulifolius 'Dart's Gold'
Physocarpus opulifolius 'Diablo'
Physocarpus opulifolius 'Luteus'
Physocarpus opulifolius 'Nanus'
Physocarpus opulifolius 'Nugget'
Physocarpus opulifolius 'Snowfall'
Physocarpus opulifolius var. *intermedius*
Pinckneya pubens
Pinckneya pubens 'Bostwick'
Pinckneya pubens 'Larry's Party Pinckneya'
Pinckneya pubens 'Pink Fever'
Pinckneya pubens 'White'
Prunus americana
Prunus angustifolia
Ptelea trifoliata
Ptelea trifoliata 'Aurea'
Ptelea trifoliata 'Glauc'
Ptelea trifoliata subsp. *polyadenia*
Rhamnus caroliniana
Rhamnus purshiana
Rhododendron alabamense
Rhododendron alabamense 'Caroline Dean'

Rhododendron alabamense 'Thomasville'
 Rhododendron arborescens
 Rhododendron arborescens 'Dynamite'
 Rhododendron arborescens 'Hot Ginger'
 Rhododendron arborescens 'White Lightning'
 Rhododendron atlanticum
 Rhododendron atlanticum 'Choptank Blend'
 Rhododendron atlanticum 'Choptank C-1'
 Rhododendron atlanticum 'Choptank Mellow'
 Rhododendron atlanticum 'Choptank River'
 Rhododendron atlanticum 'Choptank River Belle'
 Rhododendron atlanticum 'Choptank Rose'
 Rhododendron atlanticum 'Choptank Yellow'
 Rhododendron atlanticum 'Choptank Yellow and Orange'
 Rhododendron atlanticum 'Marydel'
 Rhododendron atlanticum 'Nacoochee'
 Rhododendron atlanticum 'Pink Choptank'
 Rhododendron atlanticum 'Twiggy'
 Rhododendron atlanticum 'Winterthur'
 Rhododendron atlanticum 'Yellow Delight'
 Rhododendron austrinum
 Rhododendron austrinum 'Adam's Orange'
 Rhododendron austrinum 'Alba'
 Rhododendron austrinum 'Austrinum Gold'
 Rhododendron austrinum 'Clyde's Yellow'
 Rhododendron austrinum 'Coleman's Early Yellow'
 Rhododendron austrinum 'Escatawpa'
 Rhododendron austrinum 'Harrison's Red'
 Rhododendron austrinum 'Henry Foundation'
 Rhododendron austrinum 'Millie Mac'
 Rhododendron austrinum 'My Mary'
 Rhododendron austrinum 'Pretty One'
 Rhododendron austrinum 'Rushin's Austrinum'
 Rhododendron bakeri
 Rhododendron bakeri 'Camp's Red'
 Rhododendron bakeri 'Sunlight'
 Rhododendron bakeri x R. viscosum
 Rhododendron calendulaceum
 Rhododendron calendulaceum 'Abbott Azaleas'
 Rhododendron calendulaceum 'Carlsons Coral Flameboyant'
 Rhododendron calendulaceum 'Chattooga'
 Rhododendron calendulaceum 'Cherokee'
 Rhododendron calendulaceum 'Currahee'
 Rhododendron calendulaceum 'Frank Lunsford'
 Rhododendron calendulaceum 'Golden Sunset Flame'
 Rhododendron calendulaceum 'Golden Yellow Flame'
 Rhododendron calendulaceum 'Lisa's Red Flame'
 Rhododendron calendulaceum 'Scarlet Orange Flame'
 Rhododendron calendulaceum 'Smokey Mountaineer'
 Rhododendron calendulaceum 'Soquee River'
 Rhododendron calendulaceum 'Wahsega'
 Rhododendron calendulaceum 'Yellow Flame'
 Rhododendron canescens
 Rhododendron canescens 'Brooke'
 Rhododendron canescens 'Spring Scene'
 Rhododendron canescens 'Varnadoes Phlox Pink'
 Rhododendron canescens 'Varnadoes Snow'
 Rhododendron flammeum
 Rhododendron flammeum 'Apricot Speciosum'
 Rhododendron flammeum 'Double Pleasure'
 Rhododendron flammeum 'Harry's Speciosum'
 Rhododendron flammeum 'Hazel Hamilton'
 Rhododendron flammeum 'Orange Speciosum'
 Rhododendron flammeum 'Peach Parfait'
 Rhododendron flammeum 'Red Speciosum'
 Rhododendron flammeum 'Scarlet Ibis'
 Rhododendron flammeum 'Varnadoe'
 Rhododendron nudiflorum
 Rhododendron oblongifolium
 Rhododendron oblongifolium '#3'
 Rhododendron periclymenoides
 Rhododendron prunifolium
 Rhododendron prunifolium 'Apricot Glow'
 Rhododendron prunifolium 'Cherry Bomb'
 Rhododendron prunifolium 'Coral Glow'
 Rhododendron prunifolium 'Lewis Shortt'
 Rhododendron prunifolium 'Peach Glow'
 Rhododendron prunifolium 'Pine Prunifolium'
 Rhododendron serrulatum
 Rhododendron speciosum
 Rhododendron viscosum
 Rhododendron viscosum 'Antilope'
 Rhododendron viscosum 'Arpege'
 Rhododendron viscosum 'Delaware Blue'
 Rhododendron viscosum 'Jolie Madame'
 Rhododendron viscosum 'Pink Mist'
 Rhododendron viscosum 'Pink Rocket'
 Rhododendron viscosum 'Rosata'
 Rhododendron viscosum 'Soir de Paris'
 Rhododendron viscosum var. montanum
 Rhus aromatica
 Rhus aromatica 'Green Globe'
 Rhus aromatica 'Gro-low'
 Rhus aromatica 'Konza'
 Rhus copallina
 Rhus copallina 'Creel's Quintet'
 Rhus glabra
 Rhus glabra 'Laciniata'
 Rhus glabra 'Morden Selection'

Rhus glabra 'Morden's'
Rhus michauxii
Rhus trilobata
Rhus trilobata 'Autumn Amber'
Rhus trilobata var. *malacophylla*
Rhus typhina
Rhus typhina 'Dissecta'
Rhus typhina 'Laciniata'
Ribes aureum
Ribes odoratum
Ribes odoratum 'Crandall'
Ribes odoratum f. *xanthocarpum*
Robinia fertilis
Robinia hispida
Robinia hispida 'Arnot'
Robinia hispida 'Flowering Globe'
Robinia hispida 'Monument'
Robinia pseudoacacia 'Lace Lady'
Robinia pseudoacacia 'Twisty Baby'
Rosa carolina
Rosa carolina var. *alba*
Rosa setigera
Rosa virginiana
Rubus deliciosus
Salix discolor
Sambucus caerulea
Sambucus canadensis
Sambucus canadensis 'Acutiloba'
Sambucus canadensis 'Adams'
Sambucus canadensis 'Aurea'
Sambucus canadensis 'Laciniata'
Sambucus canadensis 'Maxima'
Sambucus canadensis 'Rubra'
Sambucus canadensis 'York'
Sambucus simpsonii
Staphylea trifolia
Stewartia malacodendron
Stewartia ovata
Stewartia ovata 'Red Rose'
Stewartia ovata 'Royal Purple'
Stewartia ovata var. *grandiflora*
Stewartia ovata 'White Satin'
Styrax americanus
Styrax americanus var. *pulverulentus*
Styrax grandifolius
Symphoricarpos albus
Symphoricarpos albus 'Constance Spry'
Symphoricarpos albus 'Turesson'
Symphoricarpos albus var. *laevigatus*
Symphoricarpos albus 'Variegatus'
Symphoricarpos occidentalis
Symphoricarpos orbiculatus
Symphoricarpos orbiculatus 'Albovariegatus'
Symphoricarpos orbiculatus 'Hawkins'
Symphoricarpos orbiculatus 'Leucocarpus'
Symplocos tinctoria
Taxodium distichum 'Secret'
Vaccinium arboreum
Vaccinium ashei
Vaccinium ashei 'Austin'
Vaccinium ashei 'Baldwin'
Vaccinium ashei 'Beckyblue'
Vaccinium ashei 'Bladen'
Vaccinium ashei 'Bluebelle'
Vaccinium ashei 'Bonita'
Vaccinium ashei 'Brightwell'
Vaccinium ashei 'Briteblue'
Vaccinium ashei 'Climax'
Vaccinium ashei 'Cooper'
Vaccinium ashei 'Delite'
Vaccinium ashei 'Georgiagem'
Vaccinium ashei 'Gulfcoast'
Vaccinium ashei 'Misty'
Vaccinium ashei 'O'Neal'
Vaccinium ashei 'Powderblue'
Vaccinium ashei 'Premier'
Vaccinium ashei 'Tifblue'
Vaccinium ashei 'Woodard'
Vaccinium corymbosum
Vaccinium corymbosum 'Avonblue'
Vaccinium corymbosum 'Berkeley'
Vaccinium corymbosum 'Blue Ridge'
Vaccinium corymbosum 'Bluecrop'
Vaccinium corymbosum 'Blueray'
Vaccinium corymbosum 'Bluetta'
Vaccinium corymbosum 'Bounty'
Vaccinium corymbosum 'Burlington'
Vaccinium corymbosum 'Cape Fear'
Vaccinium corymbosum 'Collins'
Vaccinium corymbosum 'Coville'
Vaccinium corymbosum 'Dixi'
Vaccinium corymbosum 'Earliblue'
Vaccinium corymbosum 'Elliot'
Vaccinium corymbosum 'Flordablue'
Vaccinium corymbosum 'Herbert'
Vaccinium corymbosum 'Jersey'
Vaccinium corymbosum 'Late Blue'
Vaccinium corymbosum 'Northland'
Vaccinium corymbosum 'November Glo'
Vaccinium corymbosum 'Patriot'

Vaccinium corymbosum 'Pemberton'
Vaccinium corymbosum 'Rancocas'
Vaccinium corymbosum 'Rubel'
Vaccinium corymbosum 'Sharpblue'
Vaccinium corymbosum 'Southland'
Vaccinium corymbosum 'Sunrise'
Vaccinium corymbosum 'Weymouth'
Vaccinium elliottii
Vaccinium stamineum
Viburnum acerifolium
Viburnum bracteatum
Viburnum bracteatum 'Emerald Luster'
Viburnum cassinoides
Viburnum cassinoides 'Deep Pink'
Viburnum cassinoides var. angustifolium
Viburnum dentatum
Viburnum dentatum 'Autumn Jazz'
Viburnum dentatum 'Cardinal'
Viburnum dentatum 'Chicago Lustre'
Viburnum dentatum 'Deamii'
Viburnum dentatum 'Dwarf Form'
Viburnum dentatum 'Morton'
Viburnum dentatum 'Northern Burgundy'
Viburnum dentatum 'Perle Blue'
Viburnum dentatum 'Ralph Senior'
Viburnum dentatum 'Synnesvedt'
Viburnum dentatum 'Tree Form'
Viburnum lentago

Viburnum lentago 'Deep Green'
Viburnum lentago 'Pink Beauty'
Viburnum molle
Viburnum nudum
Viburnum nudum 'Count Pulaski'
Viburnum nudum 'Winterthur'
Viburnum obovatum
Viburnum obovatum 'St. Paul'
Viburnum prunifolium
Viburnum prunifolium 'Early Red'
Viburnum rafinesquianum
Viburnum recognitum
Viburnum rufidulum
Viburnum rufidulum 'Royal Guard'
Viburnum trilobum
Viburnum trilobum 'Alfredo'
Viburnum trilobum 'Andrews'
Viburnum trilobum 'Bailey Compact'
Viburnum trilobum 'Compactum'
Viburnum trilobum 'Hahs'
Viburnum trilobum 'Red Wing'
Viburnum trilobum 'Spring Green Compact'
Viburnum trilobum 'Spring Red Compact'
Viburnum trilobum 'Wentworth'
Zanthoxylum americanum
Zanthoxylum clava-herculis
Zenobia pulverulenta
Zenobia pulverulenta 'Raspberry Ripple'

C. Deciduous Non-Native Shrubs

Abeliophyllum distichum
Abeliophyllum distichum 'Rosea'
Acanthopanax henryi
Acanthopanax henryi 'Nana'
Acanthopanax sieboldianus
Acanthopanax sieboldianus 'Variegatus'
Adina rubella
Aesculus glabra var. nana
Alangium platanifolium
Alnus nepalensis
Alnus nitida
Alnus serrulata
Alnus viridis subsp. crispa
Amelanchier lamarckii
Andrachne colchica
Aralia elata
Aralia elata 'Albovariegata'
Aralia elata 'Aureovariegata'
Aralia elata 'Pyramidalis'
Aralia elata 'Silver Umbrella'
Aralia elata 'Variegata'
Aronia x prunifolia
Buddleja alternifolia
Buddleja crispa
Buddleja davidii
Buddleja fallowiana
Buddleja x weyeriana 'Sungold'
Callicarpa bodinieri
Callicarpa bodinieri var. giraldii
Callicarpa bodinieri var. giraldii 'Profusion'
Callicarpa dichotoma
Callicarpa dichotoma 'Issai'
Callicarpa dichotoma var. albifructus
Callicarpa japonica
Callicarpa japonica 'Heavy Berry'
Callicarpa japonica 'Leucocarpa'
Callicarpa japonica var. luxurians
Callicarpa japonica var. taquetii
Caragana arborescens
Caryopteris x clandonensis
Caryopteris x clandonensis 'Arthur Simmonds'
Caryopteris x clandonensis 'Azure'
Caryopteris x clandonensis 'Blue Knoll'
Caryopteris x clandonensis 'Blue Mist'
Caryopteris x clandonensis 'Dark Knight'
Caryopteris x clandonensis 'Ferndown'
Caryopteris x clandonensis 'First Choice'
Caryopteris x clandonensis 'Heavenly Blue'
Caryopteris x clandonensis 'Kew Blue'
Caryopteris x clandonensis 'Longwood Blue'
Caryopteris x clandonensis 'Worcester Gold'
Caryopteris incana
Caryopteris incana 'Blue Billows'
Caryopteris incana 'Candida'
Castanea alnifolia
Castanea pumila
Ceanothus x delilianus
Ceanothus x pallidus
Cercis chinensis
Cercis chinensis 'Alba'
Cercis chinensis 'Avondale'
Cercis chingii
Cercis yunnanensis
Cercis yunnanensis 'Celestial Plum'
Chaenomeles japonica
Chaenomeles speciosa
Chaenomeles speciosa 'Apple Blossom'
Chaenomeles speciosa 'Hollandia'
Chaenomeles speciosa 'Jet Trail'
Chaenomeles speciosa 'Knap Hill Scarlet'
Chaenomeles speciosa 'Nivalis'
Chaenomeles speciosa 'Red Chief'
Chaenomeles speciosa 'Scarff's Red'
Chaenomeles speciosa 'Spitfire'
Chaenomeles speciosa 'Texas Scarlet'
Chaenomeles speciosa 'Toyo-Nishiki'
Chaenomeles x superba
Chimonanthus nitens
Chimonanthus praecox
Chimonanthus praecox 'Grandiflorus'
Chimonanthus praecox 'Luteus'
Chimonanthus praecox 'Mangetsu'
Chimonanthus praecox var. concolor
Chionanthus pygmaeus
Chionanthus retusus
Chionanthus retusus var. serrulatus
Chitalpa tashkentensis
Chitalpa tashkentensis 'Morning Cloud'
Chitalpa tashkentensis 'Pink Dawn'
Clethra barbinervis
Clethra barbinervis 'Takeda Nishiki'
Clethra 'Summersweet' (Clethra barbinervis x C. fargesii)
Clethra delavayi
Clethra fargesii
Clethra monostachya
Colutea arborescens
Colutea arborescens 'Copper Beauty'
Colutea x media

Cornus alternifolia
Cornus alternifolia 'Argentea'
Cornus amomum
Cornus asperifolia
Cornus asperifolia var. *drummondii*
Cornus mas
Cornus mas 'Golden Glory'
Cornus mas 'Nana'
Cornus mas 'Spring Glow'
Cornus racemosa
Cornus sanguinea
Cornus sericea
Corylopsis glabrescens
Corylopsis glabrescens 'March Jewel'
Corylopsis gotoana
Corylopsis pauciflora
Corylopsis platypetala
Corylopsis sinensis var. *calvescens*
Corylopsis spicata
Corylopsis veitchiana
Corylopsis willmottiae
Corylopsis willmottiae 'Spring Purple'
Corylus americana
Corylus avellana
Corylus cornuta
Corylus maxima 'Purpurea'
Cotinus coggygria
Cotinus coggygria 'Black Velvet'
Cotinus coggygria 'Flame'
Cotinus coggygria 'Pendulus'
Cotinus coggygria 'Pink Champagne'
Cotinus coggygria 'Purpureus'
Cotinus coggygria 'Royal Purple'
Cotinus coggygria 'Velvet Cloak'
Cotoneaster divaricatus
Cydonia oblonga
Cydonia oblonga 'Jumbo'
Cydonia oblonga 'Orange'
Cydonia oblonga 'Pineapple'
Cydonia oblonga 'Smyrna'
Cytisus x beanii
Cytisus x kewensis
Cytisus multiflorus
Cytisus x praecox
Cytisus scoparius
Deutzia crenata
Deutzia x elegantissima
Deutzia gracilis
Deutzia x lemoinei
Diervilla lonicera
Diervilla rivularis
Diervilla sessilifolia
Diervilla sessilifolia 'Butterfly'
Dipelta floribunda
Dipelta ventricosa
Dipelta yunnanensis
Dipteronia sinensis
Dirca occidentalis
Dirca palustris
Duranta erecta
Duranta repens
Edgeworthia chrysantha
Edgeworthia chrysantha f. *rubra*
Edgeworthia chrysantha 'Grandiflora'
Edgeworthia chrysantha 'Jitsu Red'
Edgeworthia chrysantha 'Red Dragon'
Eleutherococcus henryi
Eleutherococcus henryi 'Nana'
Eleutherococcus sieboldianus
Eleutherococcus sieboldianus 'Variegatus'
Erythrina herbacea
Erythrina herbacea 'Alba'
Euonymus americanus
Euonymus atropurpureus
Exochorda giraldii
Exochorda giraldii 'Irish Pearl'
Exochorda giraldii var. *wilsonii*
Exochorda korolkowii
Exochorda x macrantha
Exochorda x macrantha 'The Bride'
Exochorda racemosa
Exochorda serratifolia
Exochorda serratifolia 'Northern Pearls'
Ficus carica
Ficus carica 'Brown Turkey'
Fontanesia phillyreoides subsp. *fortunei*
Fontanesia phillyreoides subsp. *fortunei* 'Nana'
Fontanesia phillyreoides subsp. *fortunei* 'Titan'
Forsythia x intermedia
Forsythia ovata
Forsythia suspensa var. *atrocaulis*
Forsythia suspensa var. *fortunei*
Forsythia suspensa var. *sieboldii*
Forsythia viridissima
Ginkgo biloba 'Spring Grove Witches' Broom'
Hamamelis x intermedia 'Arnold Promise'
Hamamelis x intermedia 'Diane'
Hamamelis x intermedia 'Gimborn's Perfume'
Hamamelis x intermedia 'Jelena'
Hamamelis x intermedia 'Orange Beauty'

Hamamelis x intermedia 'Sunburst'
 Hamamelis x intermedia 'Winter Beauty'
 Hamamelis japonica 'Sulphurea'
 Hamamelis japonica var. flavopurpurascens
 Hamamelis macrophylla
 Hamamelis mollis
 Hamamelis mollis 'Goldcrest'
 Hamamelis mollis 'Pallida'
 Hamamelis vernalis 'Autumn Embers'
 Hamamelis vernalis 'Christmas Cheer'
 Hamamelis vernalis 'Red Imp'
 Hamamelis vernalis 'Sashay'
 Heptacodium miconioides
 Hibiscus syriacus
 Hibiscus syriacus 'Aphrodite'
 Hibiscus syriacus 'Diana'
 Hibiscus syriacus 'Helene'
 Hibiscus syriacus 'Sky Blue'
 Hydrangea heteromalla
 Hydrangea macrophylla
 Hydrangea macrophylla 'Blue Prince'
 Hydrangea macrophylla 'Blue Wave'
 Hydrangea macrophylla 'Dooley'
 Hydrangea macrophylla 'Lanarth White'
 Hydrangea macrophylla 'Nikko Blue'
 Hydrangea paniculata 'Bridal Veil'
 Hydrangea paniculata 'Burgundy Lace'
 Hydrangea paniculata 'Pink Diamond'
 Hydrangea paniculata 'Ruby'
 Hydrangea paniculata 'Tardiva'
 Hydrangea paniculata 'Unique'
 Hydrangea quercifolia
 Hydrangea serrata
 Hydrangea serrata 'Bluebird'
 Hypericum densiflorum
 Hypericum densiflorum 'Creel's Gold Star'
 Ilex serrata
 Ilex serrata 'Leucocarpa'
 Ilex serrata 'Xanthocarpa'
 Indigofera amblyantha
 Indigofera gerardiana
 Indigofera heterantha
 Indigofera kirilowii
 Itea japonica 'Beppu'
 Itea japonica 'Nana'
 Jasminum nudiflorum
 Jasminum nudiflorum 'Aureum'
 Jasminum nudiflorum 'Nanum'
 Kerria japonica
 Kerria japonica 'Albescens'
 Kerria japonica 'Shannon'
 Kerria japonica 'Variegata'
 Kolkwitzia amabilis
 Kolkwitzia amabilis 'Pink Cloud'
 Kolkwitzia amabilis 'Rosea'
 Kolkwitzia amabilis 'Ruys Pink'
 Lagerstroemia fauriei cv's
 Lagerstroemia indica cv's
 Lagerstroemia indica x L. fauriei hybrids
 Lindera angustifolia
 Lindera chienii
 Lindera erythrocarpa
 Lindera glauca
 Lindera obtusiloba
 Lindera praecox
 Lindera reflexa
 Lindera umbellata
 Lonicera fragrantissima
 Lonicera x purpusii 'Winter Beauty'
 Lonicera standishii
 Lyonia mariana
 Magnolia liliiflora
 Magnolia liliiflora 'Gracilis'
 Magnolia liliiflora 'Lyons'
 Magnolia liliiflora 'O'Neill'
 Magnolia Little Girl Hybrid 'Ann'
 Magnolia sieboldii
 Magnolia sinensis
 Magnolia stellata
 Magnolia stellata 'Dawn'
 Magnolia stellata 'Pink Waterlily'
 Magnolia stellata 'Scented Silver'
 Magnolia stellata 'White Star'
 Neillia sinensis
 Parrotia persica 'Pendula'
 Philadelphus coronarius
 Philadelphus x lemoinei
 Photinia beauverdiana
 Photinia parvifolia
 Poncirus trifoliata
 Poncirus trifoliata 'Flying Dragon'
 Prunus x cistena
 Prunus glandulosa
 Prunus 'Hally Jolivette'
 Prunus incisa
 Prunus incisa 'February Pink'
 Prunus persica 'Bonanza'
 Prunus tomentosa
 Prunus tomentosa 'Leucocarpa'
 Prunus triloba var. multiplex

Prunus x yedoensis 'Snow Fountains'
Pseudocydonia sinensis
Ptelea trifoliata
Pterostyrax corymbosa
Punica granatum
Punica granatum 'Alba Plena'
Punica granatum 'Flavescens'
Punica granatum 'Pleniflora'
Punica granatum var. *nana*
Punica granatum 'Wonderful'
Rhododendron Exbury and Knap Hill Hybrid 'Yachats'
Sinocalycanthus chinensis
Sinojackia rehderiana
Sinojackia xylocarpa
Stachyurus chinensis
Stachyurus praecox
Stachyurus praecox 'Aurea Variegata'
Staphylea colchica
Staphylea colchica 'Coulombieri'
Staphylea pinnata
Staphylea trifolia
Stephanandra incisa
Stephanandra tanakae
Stewartia malacodendron
Stewartia ovata
Stewartia rostrata
Stewartia sinensis
Styrax americanus
Styrax grandifolius
Styrax japonicus 'Pink Chimes'
Styrax japonicus 'Rosea'
Styrax obassia
Syringa patula 'Miss Kim'
Tamarix parviflora
Tamarix pentandra
Tamarix ramosissima
Tamarix ramosissima 'Cheyenne Red'
Tamarix ramosissima 'Pink Cascade'
Tamarix ramosissima 'Summer Glow'
Viburnum betulifolium
Viburnum bitchiuense
Viburnum x bodnantense 'Charles Lamont'
Viburnum x bodnantense 'Dawn'
Viburnum x bodnantense 'Deben'
Viburnum x bodnantense 'Pink Dawn'
Viburnum bracteatum
Viburnum bracteatum 'Emerald Luster'
Viburnum burejaeticum
Viburnum x burkwoodii
Viburnum x burkwoodii 'Anne Russell'
Viburnum x burkwoodii 'Chenaultii'
Viburnum x burkwoodii 'Fulbrook'
Viburnum x burkwoodii 'Mohawk'
Viburnum x burkwoodii 'Park Farm Hybrid'
Viburnum x burkwoodii 'Sarcoxie'
Viburnum x carlcephalum
Viburnum carlesii
Viburnum carlesii 'Aurora'
Viburnum carlesii 'Carlotta'
Viburnum carlesii 'Cayuga'
Viburnum carlesii 'Charis'
Viburnum carlesii 'Compactum'
Viburnum carlesii 'Diana'
Viburnum cassinoides
Viburnum cassinoides 'Deep Pink'
Viburnum cassinoides var. *angustifolium*
Viburnum dentatum
Viburnum farreri
Viburnum farreri 'Album'
Viburnum farreri 'Candidissimum'
Viburnum farreri 'Farrer's Pink'
Viburnum farreri 'Nanum'
Viburnum grandiflorum
Viburnum x jackii
Viburnum x juddii
Viburnum nudum
Viburnum obovatum
Viburnum opulus
Viburnum opulus 'Harvest Gold'
Viburnum opulus 'Roseum'
Viburnum plicatum
Viburnum plicatum var. *tomentosum* 'Cascade'
Viburnum plicatum var. *tomentosum* 'Mariesii'
Viburnum plicatum var. *tomentosum* 'Pink Beauty'
Viburnum plicatum var. *tomentosum* 'Summer Snowflake'
Viburnum rufidulum 'Royal Guard'
Viburnum sargentii
Viburnum setigerum
Viburnum sieboldii
Viburnum trilobum
Viburnum trilobum 'Red Wing'
Vitex agnus-castus
Vitex agnus-castus 'Abbeville Blue'
Vitex agnus-castus 'Alba'
Vitex agnus-castus 'Blushing Spires'
Vitex agnus-castus 'Montrose Purple'
Vitex agnus-castus 'Snow Spire'
Vitex negundo
Vitex negundo 'Heterophylla'
Vitex negundo 'Incisa'

Weigela florida
Weigela florida 'Alexandra'
Weigela florida 'Bristol Ruby'
Weigela florida 'Canary'
Weigela florida 'Candida'

Weigela florida 'Eva Supreme'
Weigela florida 'Lucifer'
Weigela florida 'Pink Princess'
Zanthoxylum piperitum
Ziziphus jujuba 'Sherwood'

D. Deciduous Trees

Acer barbatum
Acer buergerianum
Acer buergerianum 'Streetwise'
Acer campestre
Acer x freemanii
Acer ginnala
Acer ginnala 'Embers'
Acer ginnala 'Flame'
Acer ginnala 'Red Fruit'
Acer ginnala 'Red Rhapsody'
Acer ginnala 'Red Wing'
Acer ginnala 'Summer Splendor'
Acer griseum
Acer griseum x Acer maximowiczianum 'Cinnamon Flake'
Acer griseum x Acer maximowiczianum 'Gingerbread'
Acer japonicum
Acer leucoderme
Acer negundo
Acer negundo 'Aureo-marginatum'
Acer negundo 'Fleming'
Acer palmatum
Acer palmatum var. atropurpureum
Acer palmatum var. dissectum 'Seiryu'
Acer rubrum
Acer saccharum
Acer saccharum 'Commemoration'
Acer saccharum 'Green Mountain'
Acer saccharum 'Legacy'
Acer saccharum 'Steeple'
Acer saccharum subsp. barbatum
Acer saccharum subsp. leucoderme
Acer truncatum
Aesculus arguta
Aesculus x carnea
Aesculus flava
Aesculus glabra
Aesculus hippocastanum
Aesculus pavia
Aesculus pavia 'Atrosanguinea'
Aesculus pavia 'Humilis'
Aesculus splendens
Aesculus sylvatica
Aesculus turbinata
Aralia spinosa
Asimina triloba
Asimina triloba 'Davis'
Asimina triloba 'Mitchell'
Asimina triloba 'Overleese'
Asimina triloba 'Sunflower'
Asimina triloba 'Sweet Alice'
Asimina triloba 'Wilson'
Betula nigra
Betula nigra 'Summer Cascade'
Betula nigra 'Dura-Heat'
Betula nigra 'Heritage'
Betula nigra 'Suwanee'
Broussonetia papyrifera
Carpinus betulus
Carpinus betulus 'Albo-variegata'
Carpinus betulus 'Aspleniifolia'
Carpinus betulus 'Columnaris'
Carpinus betulus 'Fastigiata'
Carpinus betulus 'Franz Fontaine'
Carpinus betulus 'Globosa'
Carpinus betulus 'Incisa'
Carpinus betulus 'Monument'
Carpinus betulus 'Pendula'
Carpinus betulus 'Pendula Dervaesii'
Carpinus betulus 'Pinocchio'
Carpinus betulus 'Punctata'
Carpinus betulus 'Purpurea'
Carpinus betulus 'Rogow'
Carpinus betulus var. horizontalis
Carpinus betulus var. quercifolia
Carpinus betulus 'Variegata'
Carpinus betulus 'Vienna Weeping'
Carpinus caroliniana
Carpinus caroliniana 'Palisade'
Carpinus caroliniana 'Pyramidalis'
Carpinus japonica
Carpinus orientalis
Carya aquatica
Carya cordiformis
Carya glabra
Carya illinoensis
Carya laciniata
Carya myristiciformis
Carya ovata
Carya pallida
Carya tomentosa
Castanea crenata
Castanea mollissima
Castanea pumila
Castanea sativa
Castanea sativa 'Albo-marginata'
Castanea sativa 'Aureo-marginata'
Catalpa bignonioides
Catalpa bignonioides 'Aurea'

Catalpa bungei
Catalpa x erubescens
Catalpa x erubescens 'Purpurea'
Catalpa x erubescens 'Victoria'
Catalpa fargesii
Catalpa fargesii f. *duclouxii*
Catalpa ovata
Catalpa speciosa
Celtis australis
Celtis jessoensis
Celtis laevigata
Celtis laevigata 'All Seasons'
Celtis laevigata 'Magnifica'
Celtis occidentalis
Celtis occidentalis 'Chicagoland'
Celtis occidentalis 'Delta'
Celtis occidentalis 'Prairie Pride'
Celtis occidentalis 'Windy City'
Celtis sinensis
Cercidiphyllum japonicum
Cercidiphyllum japonicum 'Amazing Grace'
Cercidiphyllum japonicum 'Aureum'
Cercidiphyllum japonicum 'Heronswood Globe'
Cercidiphyllum japonicum 'Morioka Weeping'
Cercidiphyllum japonicum 'Pendulum'
Cercidiphyllum magnificum 'Pendulum'
Cercis canadensis
Cercis canadensis 'Alba'
Cercis canadensis 'Appalachian Red'
Cercis canadensis 'Covey'
Cercis canadensis 'Flame'
Cercis canadensis 'Forest Pansy'
Cercis canadensis 'Northland Strain'
Cercis canadensis 'Pinkbud'
Cercis canadensis 'Royal White'
Cercis canadensis 'Rubye Atkinson'
Cercis canadensis 'Silver Cloud'
Cercis canadensis subsp. *texensis*
Cercis canadensis subsp. *texensis* 'Oklahoma'
Cercis canadensis subsp. *texensis* 'Texas White'
Cercis canadensis subsp. *texensis* 'Traveller'
Cercis canadensis 'Tennessee Pink'
Cercis canadensis 'Withers Pink Charm'
Cercis chinensis
Cercis chinensis 'Alba'
Cercis chinensis 'Avondale'
Cercis chingii
Cercis gigantea
Cercis occidentalis
Cercis racemosa
Cercis siliquastrum
Cercis yunnanensis
Chionanthus retusus
Chionanthus retusus var. *serrulatus*
Chionanthus virginicus
Chionanthus virginicus 'Floyd'
Chitalpa tashkentensis
Chitalpa tashkentensis 'Morning Cloud'
Chitalpa tashkentensis 'Pink Dawn'
Cladrastis kentukea
Cladrastis kentukea 'Sweetshade'
Cladrastis kentukea 'Perkins Pink'
Cladrastis kentukea 'Rosea'
Cladrastis lutea
Cladrastis platycarpa
Cladrastis sinensis
Cladrastis sinensis 'China Rose'
Cornus alternifolia
Cornus alternifolia 'Argentea'
Cornus asperifolia
Cornus asperifolia var. *drummondii*
Cornus controversa
Cornus controversa 'June Snow'
Cornus controversa 'Variegata'
Cornus florida
Cornus florida 'Cherokee Daybreak'
Cornus florida 'Cloud 9'
Cornus florida f. *xanthocarpa*
Cornus florida 'Moon'
Cornus florida 'Pendula'
Cornus florida 'Plena'
Cornus florida 'September Dog'
Cornus florida var. *rubra*
Cornus kousa
Cornus kousa 'Cedar Ridge Select'
Cornus kousa 'Lustgarten Weeping'
Cornus kousa 'National'
Cornus kousa 'Prolific'
Cornus kousa 'Rubra'
Cornus kousa 'Select'
Cornus kousa 'Summer Majesty'
Cornus kousa var. *chinensis*
Cornus kousa var. *chinensis* 'Milky Way'
Cornus kousa 'Wolf Eyes'
Cornus kousa 'Xanthocarpa'
Cornus mas
Cornus mas 'Golden Glory'
Cornus mas 'Redstone'
Cornus officinalis
Cornus officinalis 'Issai Minari'

Cornus officinalis 'Kintoki'	Halesia diptera var. magniflora
Cornus x rutgersensis 'Aurora'	Halesia monticola
Crataegus phaenopyrum 'Clark'	Halesia monticola 'Rosea'
Crataegus phaenopyrum 'Manbeck Select'	Halesia monticola var. vestita
Crataegus phaenopyrum 'Princeton Sentry'	Halesia parviflora
Crataegus phaenopyrum 'Vaughn'	Halesia tetraptera
Davidia involuocrata	Halesia tetraptera 'Arnold Pink'
Davidia involuocrata var. vilmoriniana	Halesia tetraptera 'Rosea'
Diospyros kaki	Halesia tetraptera 'Silver Splash'
Diospyros kaki 'Chocolate'	Halesia tetraptera 'Uconn Wedding Bells'
Diospyros kaki 'Eureka'	Juglans cinerea
Diospyros kaki 'Fuyu'	Juglans nigra
Diospyros kaki 'Fuyu Giant'	Juglans nigra 'Laciniata'
Diospyros kaki 'Great Wall'	Juglans nigra 'Thomas'
Diospyros kaki 'Hachiya'	Koelreuteria bipinnata
Diospyros kaki 'Hana Fuyu'	Koelreuteria paniculata
Diospyros kaki 'Pendula'	Koelreuteria paniculata 'Fastigiata'
Diospyros kaki 'Sheng'	Koelreuteria paniculata 'Rose Lantern'
Diospyros kaki 'Tamopan'	Koelreuteria paniculata 'September'
Diospyros kaki 'Tanenashi'	Koelreuteria paniculata 'Stadher's Hill'
Diospyros kaki 'Youhou'	Laburnum alpinum
Diospyros virginiana	Laburnum alpinum 'Macrostachys'
Diospyros virginiana 'Early Golden'	Laburnum alpinum 'Pyramidale'
Diospyros virginiana 'John Rick'	Laburnum anagyroides
Diospyros virginiana 'Killen'	Laburnum x watereri
Diospyros virginiana 'Miller'	Liquidambar formosana
Diospyros virginiana 'Woolbright'	Liquidambar formosana 'Afterglow'
Fagus grandifolia	Liquidambar formosana var. monticola
Franklinia alatamaha	Liquidambar styraciflua
Franklinia alatamaha 'Wintonbury'	Liquidambar styraciflua 'Albomarginata'
Fraxinus americana	Liquidambar styraciflua 'Aurea'
Fraxinus americana 'Empire'	Liquidambar styraciflua 'Aurora'
Fraxinus americana 'Skyline'	Liquidambar styraciflua 'Brotzman #1, #2'
Fraxinus pennsylvanica	Liquidambar styraciflua 'Burgundy Flush'
Fraxinus pennsylvanica 'Honeyshade'	Liquidambar styraciflua 'Burgundy'
Fraxinus pennsylvanica 'Marshall's Seedless'	Liquidambar styraciflua 'Carnival'
Fraxinus pennsylvanica 'Patmore'	Liquidambar styraciflua 'Cherokee'
Fraxinus pennsylvanica 'Summit'	Liquidambar styraciflua 'Corky'
Ginkgo biloba	Liquidambar styraciflua 'Festival'
Ginkgo biloba 'Autumn Gold'	Liquidambar styraciflua 'Goduzam'
Ginkgo biloba 'Fairmount'	Liquidambar styraciflua 'Gold Dust'
Ginkgo biloba 'The President'	Liquidambar styraciflua 'Gold Star'
Gymnocladus dioica	Liquidambar styraciflua 'Golden Treasure'
Gymnocladus dioica 'Espresso'	Liquidambar styraciflua 'Kia'
Gymnocladus dioica 'J.C. McDaniel'	Liquidambar styraciflua 'Lane Roberts'
Gymnocladus dioica 'Prairie Titan'	Liquidambar styraciflua 'Levis'
Gymnocladus dioica 'Stately Manor'	Liquidambar styraciflua 'Moonbeam'
Gymnocladus dioica 'Variegata'	Liquidambar styraciflua 'Moraine'
Halesia carolina	Liquidambar styraciflua 'Oconee'
Halesia diptera	Liquidambar styraciflua 'Palo Alto'

Liquidambar styraciflua 'Pendula'
 Liquidambar styraciflua 'Plattsburg'
 Liquidambar styraciflua 'Rotundiloba'
 Liquidambar styraciflua 'Shadow Columnar'
 Liquidambar styraciflua 'Silver King'
 Liquidambar styraciflua 'Slender Silhouette'
 Liquidambar styraciflua 'Starlight'
 Liquidambar styraciflua 'Variegata'
 Liquidambar styraciflua 'Ward'
 Liquidambar styraciflua 'Worplesdon'
 Liriodendron chinense
 Liriodendron tulipifera
 Liriodendron tulipifera 'Ardis'
 Liriodendron tulipifera 'Arnold'
 Liriodendron tulipifera 'Aureomarginatum'
 Liriodendron tulipifera 'Compactum'
 Liriodendron tulipifera 'Contortum'
 Liriodendron tulipifera 'Crispum'
 Liriodendron tulipifera 'Fastigiatum'
 Liriodendron tulipifera 'Florida Strain'
 Liriodendron tulipifera 'Glen Gold'
 Liriodendron tulipifera 'Integrifolium'
 Liriodendron tulipifera 'Majestic Beauty'
 Liriodendron tulipifera 'Mediopictum'
 Liriodendron tulipifera 'Ramapoo'
 Liriodendron tulipifera 'Tortuosum'
 Maclura pomifera
 Maclura pomifera 'Double O'
 Maclura pomifera var. inermis
 Maclura pomifera 'White Shield'
 Maclura pomifera 'Wichita'
 Magnolia acuminata
 Magnolia acuminata 'Butterflies'
 Magnolia acuminata 'Golden Glow'
 Magnolia acuminata 'Green Beret'
 Magnolia ashei 'Florida'
 Magnolia ashei 'Northern'
 Magnolia kobus
 Magnolia kobus 'Nippon'
 Magnolia kobus 'Pink'
 Magnolia kobus var. borealis
 Magnolia x loebneri
 Magnolia x loebneri 'Ballerina'
 Magnolia x loebneri 'Leonard Messel'
 Magnolia x loebneri 'Super Star'
 Magnolia macrophylla
 Magnolia macrophylla 'Sara Gladney'
 Magnolia macrophylla 'Whopper'
 Magnolia sieboldii
 Magnolia sieboldii 'Michiko Renge'
 Magnolia sieboldii subsp. sinensis
 Magnolia sieboldii 'White Flounces'
 Magnolia x soulangeana
 Magnolia x soulangeana 'Brozzonii'
 Magnolia x soulangeana 'Forrest Pink'
 Magnolia x soulangeana 'Lennei Alba'
 Magnolia x soulangeana 'Striped Spice'
 Magnolia x soulangeana 'Verbanica'
 Magnolia sprengeri
 Magnolia sprengeri 'Diva #711'
 Magnolia sprengeri 'Mary Slankard'
 Magnolia stellata 'Chrysanthemumiflora'
 Magnolia stellata 'Dawn'
 Magnolia stellata 'Persian Plum'
 Magnolia stellata 'White Star'
 Magnolia tripetala 'Woodlawn'
 Magnolia virginiana
 Magnolia virginiana 'Mayer'
 Magnolia virginiana 'Opelousas'
 Magnolia virginiana 'Virginia Watson'
 Malus 'Callaway'
 Malus 'Donald Wyman'
 Melia azedarach 'Jade Snowflake'
 Melia azedarach 'Umbraculiformis'
 Metasequoia glyptostroboides
 Metasequoia glyptostroboides 'Emerald Feathers'
 Metasequoia glyptostroboides 'National'
 Metasequoia glyptostroboides 'Rowena'
 Metasequoia glyptostroboides 'Sheridan Spire'
 Morus alba 'Fruitless'
 Morus alba 'Illinois Everbearing'
 Morus alba 'Pendula'
 Morus alba 'Stribling'
 Morus nigra 'Black Beauty'
 Morus nigra 'Wellington'
 Morus rubra
 Nyssa aquatica
 Nyssa ogeche
 Nyssa sinensis
 Nyssa sylvatica
 Nyssa sylvatica 'Autumn Cascades'
 Nyssa sylvatica 'Forum'
 Nyssa sylvatica 'Jermyns Flame'
 Nyssa sylvatica 'Lakeside Weeper'
 Nyssa sylvatica 'Miss Scarlet'
 Nyssa sylvatica 'Red Wine'
 Nyssa sylvatica 'Sheffield Park'
 Nyssa sylvatica var. biflora
 Ostrya virginiana
 Oxydendrum arboreum

Oxydendrum arboreum 'Albomarginatum'
Oxydendrum arboreum 'Chaemeleon'
Oxydendrum arboreum 'Mt. Charm'
Parrotia persica
Parrotia persica 'Biltmore'
Parrotia persica 'New Zealand Form'
Parrotia persica 'Purpleleaf Form'
Parrotia persica 'Select'
Parrotia persica 'Vanessa'
Pistacia chinensis
Pistacia chinensis 'Keith Davey'
Prunus americana
Prunus mume
Prunus mume 'Alba Plena'
Prunus mume 'Benishidare'
Prunus mume 'Benishidori'
Prunus mume 'Bonita'
Prunus mume 'Dawn'
Prunus mume 'Fragrant Snow'
Prunus mume 'Kobai'
Prunus mume 'Matsurabara Red'
Prunus mume 'O-moi-no-wac'
Prunus mume 'Peggy Clarke'
Prunus mume 'Pendula'
Prunus mume 'Rose Bud'
Prunus mume 'Rosemary Clarke'
Prunus mume 'Viridicalyx'
Prunus mume 'W.B. Clarke'
Prunus mume 'White Christmas'
Prunus mume 'Winter Mist'
Prunus 'Okame'
Prunus persica
Prunus persica 'Alba Plena'
Prunus persica 'Early Double Pink'
Prunus persica 'Early Double Red'
Prunus persica 'Early Double White'
Prunus persica 'Peppermint Stick'
Prunus serotina
Prunus serotina 'Spring Sparkle'
Prunus serrulata
Prunus serrulata 'Amanogawa'
Prunus serrulata 'Daikoku'
Prunus serrulata 'Fugenzo'
Prunus serrulata 'Hokusai'
Prunus serrulata 'Kanzan'
Prunus serrulata 'Kofugen'
Prunus serrulata 'Kwanzan'
Prunus serrulata 'Mt. Fujii'
Prunus serrulata 'Royal Burgundy'
Prunus serrulata 'Sekiyama'
Prunus serrulata 'Shimidsu'
Prunus serrulata 'Shirofugen'
Prunus serrulata 'Shirotae'
Prunus serrulata 'Shogetsu'
Prunus serrulata 'Snowgoose'
Prunus serrulata 'Taihaku'
Prunus serrulata 'Taoyame'
Prunus serrulata 'Ukon'
Prunus subhirtella
Prunus subhirtella 'Autumnalis Rosea'
Prunus subhirtella 'Pendula Plena Rosea'
Prunus subhirtella 'Pink Cloud'
Prunus subhirtella 'Rosy Cloud'
Prunus subhirtella 'Stellata'
Prunus subhirtella var. *autumnalis*
Prunus subhirtella 'Whitcomb'
Prunus subhirtella 'Winter Sun'
Prunus subhirtella 'Yae-shidare-higan'
Prunus x yedoensis
Prunus x yedoensis 'Afterglow'
Prunus x yedoensis 'Akebono'
Prunus x yedoensis 'Berry'
Prunus x yedoensis 'Cascade Snow'
Prunus x yedoensis 'Daybreak'
Prunus x yedoensis 'Ivensii'
Prunus x yedoensis 'Pink Shell'
Prunus x yedoensis 'Shidare-yoshino'
Prunus x yedoensis 'Snow Fountains'
Prunus x yedoensis 'Washi-no-o'
Prunus x yedoensis 'White Fountain'
Prunus x yedoensis 'Yoshino Pink Form'
Pseudocydonia sinensis
Quercus alba
Quercus bicolor
Quercus coccinea
Quercus coccinea 'Splendens'
Quercus falcata
Quercus falcata var. *pagodifolia*
Quercus georgiana
Quercus hemisphaerica
Quercus hemisphaerica 'Darlington'
Quercus laurifolia
Quercus lyrata
Quercus macrocarpa
Quercus marilandica
Quercus michauxii
Quercus muehlenbergii
Quercus nigra
Quercus nuttallii
Quercus oglethorpensis

Quercus palustris
Quercus palustris 'Crownright'
Quercus palustris 'Green Pillar'
Quercus palustris 'Sovereign'
Quercus phellos
Quercus phellos 'Pillow Oak'
Quercus prinus
Quercus robur 'Attention'
Quercus robur 'Heritage'
Quercus robur 'Regal Prince'
Quercus robur 'Rosehill'
Quercus robur 'Skyrocket'
Quercus rubra
Quercus rubra 'Aurea'
Quercus shumardii
Quercus stellata
Quercus stellata var. *margaretta*
Quercus velutina
Rhamnus caroliniana
Rhus glabra 'Laciniata'
Rhus x pulvinata 'Red Autumn Lace'
Rhus typhina 'Dissecta'
Rhus typhina 'Laciniata'
Robinia pseudoacacia
Robinia pseudoacacia 'Aurea'
Robinia pseudoacacia 'Bessoniana'
Robinia pseudoacacia 'Dean Rossman'
Robinia pseudoacacia 'Decaisneana'
Robinia pseudoacacia 'Fastigiata'
Robinia pseudoacacia 'Fibermaster'
Robinia pseudoacacia 'Frisia'
Robinia pseudoacacia 'Purple Robe'
Robinia pseudoacacia 'Pyramidalis'
Robinia pseudoacacia 'Rouge Cascade'
Robinia pseudoacacia 'Semperflorens'
Robinia pseudoacacia 'Tortuosa'
Robinia pseudoacacia 'Umbraculifera'
Robinia pseudoacacia 'Unifoliola'
Salix alba 'Britzensis'
Salix alba 'Caerulea'
Salix alba 'Cardinalis'
Salix alba 'Chermesina'
Salix alba f. *argentea*
Salix alba 'Niobe'
Salix alba 'Tristis'
Salix alba 'Vitellina'
Salix alba 'Vitellina Tristis'
Salix caprea
Salix discolor
Salix matsudana 'Golden Curls'
Salix matsudana 'Scarlet Curls'
Salix matsudana 'Tortuosa'
Salix matsudana 'Umbraculifera'
Sassafras albidum
Sophora japonica 'Fastigiata'
Sophora japonica 'Pendula'
Sophora japonica 'Regent'
Stewartia koreana
Stewartia malacodendron
Stewartia monadelphica
Stewartia ovata
Stewartia pseudocamellia
Stewartia rostrata
Stewartia sinensis
Styrax japonicus 'Carillon'
Styrax japonicus 'Crystal'
Styrax japonicus 'Emerald Pagoda'
Styrax japonicus 'Fargesii'
Styrax japonicus 'Pendula'
Styrax japonicus 'Pink Chimes'
Styrax japonicus 'Snowfall'
Symplocos tinctoria
Taxodium ascendens
Taxodium ascendens 'Nutans'
Taxodium ascendens 'Prairie Sentinel'
Taxodium distichum
Taxodium distichum 'Apache Chief'
Taxodium distichum 'Cascade Falls'
Taxodium distichum 'Fastigiata'
Taxodium distichum 'Shawnee Brave'
Tilia americana
Tilia americana 'Boulevard'
Tilia americana 'Fastigiata'
Tilia americana 'Rosehill'
Ulmus alata
Ulmus alata 'Lace Parasol'
Ulmus americana 'New Harmony'
Ulmus americana 'Princeton'
Ulmus americana 'Triploid Elm'
Ulmus americana 'Washington'
Ulmus parvifolia 'Allee'
Ulmus parvifolia 'Athena'
Ulmus parvifolia 'Burgundy'
Zelkova serrata 'Green Vase'
Zelkova serrata 'Low Weeper'
Zelkova serrata 'Village Green'

E. Evergreen Trees

<i>Abies firma</i>	<i>Ilex aquifolium</i>
<i>Abies firma</i> 'Halgren'	<i>Ilex x aquipernyi</i>
<i>Abies firma</i> 'Sol'	<i>Ilex x aquipernyi</i> 'Carolina Sentinel'
<i>Araucaria araucana</i>	<i>Ilex x aquipernyi</i> 'September Gem'
<i>Calocedrus decurrens</i>	<i>Ilex x attenuata</i>
<i>Cedrus atlantica</i>	<i>Ilex x attenuata</i> 'East Palatka'
<i>Cedrus atlantica</i> 'Glauca Fastigiata'	<i>Ilex x attenuata</i> 'Foster #2'
<i>Cedrus atlantica</i> 'Glauca Pendula'	<i>Ilex x attenuata</i> 'Longwood Gold'
<i>Cedrus atlantica</i> 'Sahara Frost'	<i>Ilex x attenuata</i> 'Savannah'
<i>Cedrus deodara</i>	<i>Ilex cornuta</i>
<i>Cedrus deodara</i> 'Albospica'	<i>Ilex cornuta</i> 'Autumn Fire'
<i>Cedrus deodara</i> 'Karl Fuchs'	<i>Ilex cornuta</i> 'Burfordii'
<i>Cedrus deodara</i> 'Verticillata Glauca'	<i>Ilex cornuta</i> 'D'Or'
<i>Cedrus libani</i>	<i>Ilex cornuta</i> 'September Beauty'
<i>Cedrus libani</i> var. <i>stenocoma</i>	<i>Ilex</i> 'Emily Bruner'
<i>Cedrus libani</i> 'Glauca Pendula'	<i>Ilex integra</i>
<i>Chamaecyparis lawsoniana</i>	<i>Ilex integra</i> 'Bisexual'
<i>Chamaecyparis obtusa</i>	<i>Ilex x koehneana</i>
<i>Chamaecyparis pisifera</i>	<i>Ilex x koehneana</i> 'Hohman'
<i>Chamaecyparis thyoides</i>	<i>Ilex latifolia</i>
<i>Chamaecyparis thyoides</i> 'Aurea'	<i>Ilex latifolia</i> 'Male'
<i>Chamaecyparis thyoides</i> 'Georgia Form'	<i>Ilex latifolia</i> 'Mary Nell'
<i>Chamaecyparis thyoides</i> 'Mobile Bay Form'	<i>Ilex latifolia</i> 'Mary Nell Sibling'
<i>Chamaecyparis thyoides</i> 'Raulston Form'	<i>Ilex</i> 'Nellie R. Stevens'
<i>Chamaecyparis thyoides</i> 'Red Star'	<i>Ilex opaca</i>
<i>Chamaecyparis thyoides</i> 'Variegata'	<i>Ilex opaca</i> 'Amy'
<i>Cornus kousa</i> 'Raulston Selection'	<i>Ilex opaca</i> 'Angelica'
<i>Cornus kousa</i> var. <i>angustata</i>	<i>Ilex opaca</i> 'Canary'
<i>Cornus kousa</i> var. <i>angustata</i> 'Prodigy'	<i>Ilex opaca</i> 'Cardinal'
<i>Cryptomeria japonica</i>	<i>Ilex opaca</i> 'Carolina #2'
<i>Cryptomeria japonica</i> 'Ben Franklin'	<i>Ilex opaca</i> 'Croonenburg'
<i>Cryptomeria japonica</i> 'Black Dragon'	<i>Ilex opaca</i> 'Dan Fenton'
<i>Cryptomeria japonica</i> 'Winter Mint'	<i>Ilex opaca</i> f. <i>xanthocarpa</i>
<i>Cryptomeria japonica</i> 'Yoshino'	<i>Ilex opaca</i> 'Farage'
<i>Cunninghamia lanceolata</i>	<i>Ilex opaca</i> 'Goldie'
<i>Cunninghamia lanceolata</i> 'Glauca'	<i>Ilex opaca</i> 'Greenleaf'
<i>Cupressocyparis leylandii</i>	<i>Ilex opaca</i> 'Howard'
<i>Cupressus arizonica</i>	<i>Ilex opaca</i> 'Jersey Delight'
<i>Cupressus arizonica</i> var. <i>glabra</i>	<i>Ilex opaca</i> 'Jersey Knight'
<i>Cupressus arizonica</i> var. <i>glabra</i> 'Carolina Sapphire'	<i>Ilex opaca</i> 'Jersey Princess'
<i>Cupressus arizonica</i> var. <i>glabra</i> 'Silver Smoke'	<i>Ilex opaca</i> 'Judy Evans'
<i>Cupressus macrocarpa</i>	<i>Ilex opaca</i> 'Manig'
<i>Cupressus sempervirens</i>	<i>Ilex opaca</i> 'Merry Christmas'
<i>Daphniphyllum himalaense</i> var. <i>macropodum</i>	<i>Ilex opaca</i> 'Miss Helen'
<i>Daphniphyllum himalaense</i> var. <i>macropodum</i> 'Variegatum'	<i>Ilex opaca</i> 'Old Heavy Berry'
<i>Eucalyptus</i> spp.	<i>Ilex opaca</i> 'Steward's Silver Crown'
<i>Gordonia lasianthus</i>	<i>Ilex opaca</i> 'William Paca'
<i>Gordonia lasianthus</i> 'Variegatus'	<i>Ilex pedunculosa</i>
<i>Ilex x altaclerensis</i> 'Camellifolia'	<i>Ilex pedunculosa</i> 'Vleck'

Ilex purpurea
Ilex Red Hybrid Hollies 'Cardinal'
Ilex Red Hybrid Hollies 'Festive'
Ilex Red Hybrid Hollies 'Little Red'
Ilex Red Hybrid Hollies 'Oak Leaf'
Ilex Red Hybrid Hollies 'Robin'
Ilex U.S. National Arboretum 'Adonis'
Ilex U.S. National Arboretum 'Agena'
Ilex U.S. National Arboretum 'Ajax'
Ilex U.S. National Arboretum 'Venus'
Ilex vomitoria
Ilex vomitoria 'Dare County'
Ilex vomitoria 'Dodd's Cranberry'
Ilex vomitoria 'Dodd's Yellow'
Ilex vomitoria 'Fencerow'
Ilex vomitoria 'Folsom's Weeping'
Ilex vomitoria 'Goodyear'
Ilex vomitoria 'Hightower'
Ilex vomitoria 'Hoskin Shadow'
Ilex vomitoria 'Katherine'
Ilex vomitoria 'Kathy Ann'
Ilex vomitoria 'Lynn Lowery'
Ilex vomitoria 'Pendula'
Ilex vomitoria 'Poole's Best'
Ilex vomitoria 'Pride of Houston'
Ilex vomitoria 'Sandy Hook'
Ilex vomitoria 'Saratoga Gold'
Ilex vomitoria 'Shadow's Female'
Ilex vomitoria 'Tricolor'
Ilex vomitoria 'Virginia Dare'
Ilex vomitoria 'Wiggins'
Ilex vomitoria 'Wiggins Yellow'
Ilex vomitoria 'Yawkey'
Juniperus chinensis 'Columnaris'
Juniperus chinensis 'Fairview'
Juniperus chinensis 'Pyramidalis'
Juniperus chinensis 'Wintergreen'
Juniperus rigida
Juniperus rigida 'Akebono'
Juniperus rigida 'Pendula'
Juniperus virginiana
Juniperus virginiana 'Baker's Blue'
Juniperus virginiana 'Brodie'
Juniperus virginiana 'Burkii'
Juniperus virginiana 'Canaertii'
Juniperus virginiana 'Cupressifolia'
Juniperus virginiana 'Dundee'
Juniperus virginiana 'Emerald Sentinel'
Juniperus virginiana 'Glauca'
Juniperus virginiana 'Greenspire'
Juniperus virginiana 'Grey Orchard'
Juniperus virginiana 'Hillspire'
Juniperus virginiana 'Idyllwild'
Juniperus virginiana 'Pendula'
Juniperus virginiana 'Platte River'
Juniperus virginiana 'Princeton Sentry'
Juniperus virginiana 'Pseudocupressus'
Juniperus virginiana 'Pyramidalis'
Juniperus virginiana 'Pyramidiformis'
Juniperus virginiana 'Stover'
Juniperus virginiana 'Taylor'
Lithocarpus densiflorus
Lithocarpus edulis
Lithocarpus henryi
Magnolia grandiflora
Magnolia grandiflora 'Alta'
Magnolia grandiflora 'Bracken's Brown Beauty'
Magnolia grandiflora 'Claudia Wannamaker'
Magnolia grandiflora 'D.D. Blanchard'
Magnolia grandiflora 'Edith Bogue'
Magnolia grandiflora 'Greenback'
Magnolia grandiflora 'Hasse'
Magnolia grandiflora 'Little Gem'
Magnolia grandiflora 'Parris Selection'
Magnolia grandiflora 'Satin Beauty'
Magnolia grandiflora 'Silver Tip'
Magnolia virginiana
Magnolia virginiana 'Henry Hicks'
Magnolia virginiana 'Mayer'
Magnolia virginiana 'Ravenswood'
Magnolia virginiana var. *ludoviciana*
Magnolia virginiana 'Virginia Watson'
Magnolia virginiana x *M. grandiflora* 'Freeman'
Osmanthus americanus
Photinia serrulata
Photinia glabra
Picea orientalis
Pinus armandii
Pinus bungeana
Pinus bungeana 'Compacta'
Pinus densiflora
Pinus densiflora 'Oculus-draconis'
Pinus echinata
Pinus flexilis
Pinus glabra
Pinus griffithii
Pinus mugo
Pinus palustris
Pinus parviflora
Pinus parviflora 'Brevifolia'

Pinus parviflora 'Glauca'	Quercus geminata
Pinus rigida	Quercus hemisphaerica
Pinus serotina	Quercus hemisphaerica 'Darlington'
Pinus strobus	Quercus laurifolia
Pinus strobus 'Bennett's Fastigiata'	Quercus myrsinifolia
Pinus strobus 'Contorta'	Quercus phillyreoides
Pinus strobus 'Fastigiata'	Quercus virginiana
Pinus strobus 'Glauca'	Quercus virginiana 'Highrise'
Pinus strobus 'Pendula'	Quercus virginiana var. maritima
Pinus taeda	Sequoia sempervirens
Pinus thunbergii	Sequoiadendron giganteum
Pinus thunbergii 'Kotobuki'	Taxus chinensis
Pinus thunbergii 'Majestic Beauty'	Thuja occidentalis
Pinus thunbergii 'Oculus-draconis'	Thuja orientalis
Pinus virginiana	Thuja plicata
Pinus virginiana 'Wate's Golden'	Thuja standishii
Pinus wallichiana	Torreya nucifera
Pinus wallichiana 'Oculus-draconis'	Torreya taxifolia
Pinus wallichiana 'Zebrina'	Tsuga canadensis
Platycladus orientalis	Tsuga caroliniana
Prunus caroliniana	Tsuga chinensis
Prunus caroliniana 'Bright 'N Tight'	Viburnum odoratissimum
Prunus caroliniana 'Cherry Ruffles'	Viburnum odoratissimum 'Red Tip'
Prunus caroliniana 'Compacta'	

F. Invasive Plants

These plants should be avoided or used in applications where their spread (vegetatively or seed) will be monitored and controlled.

Ailanthus altissima
Akebia quinata
Albizia julibrissin
Ampelopsis brevipedunculata
Arundo donax
Buddleia davidii
Celastrus orbiculatus
Centaurea cyanus
Clematis terniflora
Cytisus scoparius
Daucus carota
Elaeagnus pungens
Elaeagnus umbellata
Elaeagnus multiflora
Euonymus alata
Euonymus fortunei
Firmiana simplex
Glechoma hederacea
Hedera helix
Hemerocallis fulva
Hesperis matronalis
Hypericum perforatum
Ilex crenata 'Convexa'
Ilex crenata 'Rotundifolia'
Iris pseudacorus
Leucanthemum vulgare
Ligustrum japonicum
Ligustrum lucidum
Ligustrum vulgare
Lonicera japonica
Lysimachia clethroides
Lysimachia nummularia
Lythrum salicaria
Melia azedarach
Miscanthus sinensis
Ornithogalum umbellatum
Paulownia tomentosa
Pennisetum setaceum
Perilla frutescens
Phyllostachys aurea

Pyrus calleryana 'Bradford'
Quercus acutissima
Rosa multiflora
Spirea japonica
Ulmus pumila
Verbena bonariensis
Vinca major
Vinca minor
Wisteria floribunda
Wisteria sinensis

Disease susceptible

These plants should be avoided or used in special applications due to disease susceptible in our climate.

Berberis thunbergii
Cotoneaster dammeri
Juniperus conferta
Malus spp. (cultivar specific)
Photinia fraseri
Pinus sylvestris
Prunus laurocerasus
x Cupressocyparis leylandii

Overused at UNC-CH (as of August 2004)

We are not endorsing the elimination of any plant used on the Carolina campus, but recommending diversification by noting what is currently in excess. This section is fluid and will need to be altered over time.

Abelia grandiflora
Acer rubrum
Acuba japonica
Asiatic Azalea groups
Euonymus alata
Hedera helix
Ilex cornuta 'Carissa'
Ilex crenata 'Helleri'
Liriope muscari
Liriope spicata
Vinca minor
Quercus phellos