Chapter Three
Resource Inventory

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Introduction

This resource inventory was conducted July 19-23, 2004, by JMA team members Alisa Hefner and Aaron Cross. The objective of this inventory was to undertake a planning-level documentation of the genus, species, common name, location, size, and condition of woody plants within the property, as well as the location of other important natural and cultural features.

Data was collected using a Trimble® Global Positioning System (GPS) Pathfinder® system, which included a Pro XR receiver and TSCe™ field device operating with TerraSync™ software. Location of features was collected with sub-meter accuracy. A data dictionary, tailored to the inventory criteria discussed below, was developed by JMA to collect attribute data in the field. Based upon inventory criteria specified in the scope of work, this included the following information:

Trees
Individual tree data was collected as point features. The woodland massing was delineated as a polygon feature. Inventory of tree resources included the following information:

- Documentation of the location, genus, species, common name, size, and condition of all trees 5" DBH (diameter at breast height) and larger in garden beds and lawns areas.

- Documentation of the location, genus, species, common name, size, and condition of all trees 5" DBH and larger within ten feet of the woodland edge where a planting bed blends into woodland area.

- Delineation of potentially hazardous trees in poor condition along woodland trails.

- Delineation of the extent of the woodland area (as a massing). Individual trees and woody shrubs within the woodland area (except those identified above) were not inventoried. Obvious clearings were also identified.

- Description of the general composition of each woodland area in a narrative format, indicating dominant woody species and exotic plantings.

- Documentation of the mature size of inventoried trees that are obviously immature. The mature size of trees was based upon horticultural data provided in Michael Dirr's *Manual of Woody Landscape Plants, 5th ed*.

Woody ornamental shrubs
Shrub massings were delineated as polygon features. Individual shrub data was collected as a point feature. In coordination with FCPA, the shrub species was only recorded if clearly labeled by others prior to resource inventory. Shrub resources inventory included the following information:

- Documentation of the location, genus diversity, species (if tagged), common name, approximate number, average height, and condition of all woody ornamental shrubs located in massings within garden beds and lawns areas.

- Documentation of the location, genus diversity, species (if tagged), common name, approximate number, average height, and condition of all woody ornamental shrubs located in massings within ten feet of the woodland edge where planting areas blend into the woodland.

- Documentation of the location, genus diversity, species (if tagged), common name, approximate number, average height, and condition of all woody ornamental shrub massings located within ten feet along either side of woodland trails.

- Shrubs not obviously part of a larger massing were identified as individual woody plants with the same attribute information listed above.

- Unless legibly tagged, woody ornamental shrubs were identified by genus only, with species/cultivar information to be added by FCPA at a later date.

Garden beds and herbaceous plantings
Garden beds were delineated as polygon features. Garden bed inventory included the following information:

- Documentation of the form and location of all garden beds located in the garden area surrounding the house and within the lower garden to the west. Garden beds that were defined entirely by shrub massings were not delineated twice.

- Herbaceous plantings not located within garden beds near the house or within the lower garden were not inventoried.

- The genus and species of herbaceous plantings was not documented unless tags were visible.

Cultural features
Cultural features were delineated as line data. For the purpose of this report, cultural features are those constructed for the purpose of utilizing or managing the site. The inventory included the following information:

- Documentation of the centerline of all paths (brick walkways, grass and soil tread paths, and woodland trails).

- Documentation of the edge of the access drive and parking area.

- Delineation of the pond perimeter.

Condition Assessment
The condition assessment for all inventoried woody plants was based upon a visual inspection. The following criteria were used to assign a condition of good, fair, or poor:

- Good: Plant is free of obvious wounds, pest infestation, and disease; vigor is high, and plant growth and form appears normal.

- Fair: Plant shows minor signs of wounds or damage (either from past infestation or natural causes such as lightening); symptoms of minor pest infestation and/or disease is evident through abnormal leaf color, leaf scorch, wilting, defoliation, and/or dieback; plant vigor is moderate due to living and/or non-living factors (i.e. unfavorable environment).

- Poor: Plant shows evidence of major wounds, damage, or decay, with multiple symptoms of pest infestation, disease, and/or poor environment. Vigor is poor and plant is in decline. Further inspection is recommended. The condition assessment will address hazard concerns. However, the condition assessment will not be an exhaustive and complete inventory of hazard trees.

Digital photographs of representative features and special conditions were taken to provide supplemental documentation, with each photo assigned an identification number to reference it to the features photographed. Once fieldwork was complete, JMA post-processed the data for differential correction, using the U.S. Naval Observatory base station located in Washington, D.C. Base data was then exported into ArcView 9.0 for review and base map development, using the FCPA georeferenced orthophoto, site photographs, and field notes to further refine documentation of existing conditions.

On July 29, 2004, JMA returned to the White property to field check the base map and attribute information. Where necessary, additional data was collected, post-processed (in the same manner as discussed above), and added to the base map for graphic illustration of inventory features.

The resource inventory data contained within this report is presented in both graphic and tabular form. Tabular (attribute) data for shrub massings, individual shrubs, trees, garden beds, and paths are identified with inventory identification numbers to correspond with graphics found in Figures 3-1 and 3-2 at the end of this chapter. Attribute data corresponds to that found in the digital/GIS database, but has been reformatted here in tabular form to improve readability for inclusion in the report. Likewise, photographs of particular features taken during the field inventory are cross-referenced to the “Photo ID” number in the following tables. Select photos have been included throughout this report for illustration and their location is delineated in Figure 3-3. All field inventory photographs are in the possession of FCPA.

Shrub Massings

Shrub massings are identified as polygon features and each one has an identification number that corresponds to the Resource Inventory Map. All shrubs are identified by genus. Where appropriate, azalea is listed in parentheses after genus name as rhododendrons and azaleas share the same genus. If a species identification tag was present during the field survey, this information is recorded in the Species (Tag ID) field. Quantity (Q) in most cases is a best determination as most shrubs are grouped together and individual shrubs are not easily discernable. Height (H) refers to the average height of the shrub mass in feet. The condition (C) of each massing is recorded as either poor (P), fair (F), or good (G). Refer to the condition assessment criteria (above) for the description of each condition rating. The shrub mass was also evaluated on whether or not the mass was mature (M) or immature (I). A comment field includes any notes and observations taken in the field. GB refers to whether or not the shrub mass was a garden bed (Y for yes and N for no). All photographs taken during fieldwork were numbered; key photographs of inventoried resources are listed with the corresponding feature under Photo ID#. The date the feature was collected using GPS is recorded under the GPS Date; all dates occur in the year 2004. The area of each shrub mass is recorded under the last category, Area, in square feet.

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
1	Rhododendron (Azalea)		40	5	G	M	wisteria and smilax dead persimmon	N		7/19	735
3				15	F	M	wisteria, Virginia creeper, vinca, and daylily	Y	587	7/19	4958
	Rhododendron (Azalea)	Coral Bells	9								
	Rhododendron		2								
	Hibiscus	Rose of Sharon	1								
	Buxus		12								
	Camellia		2								
	Pieris		4				insect damage				
	Lindera		1								
11				8	F	M	pokeweed and tulip poplar seedlings	Y	588	7/19	500
	Rhododendron		4				1 in poor condition				
	Rhododendron (Azalea)		7								

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
13				12	G	M	pachysandra, vinca, mircostegium, and brier	Y	589	7/19	6194
	Rhododendron	Albert Close Gable	12								
	Rhododendron (Azalea)	America	3								
	Rhododendron (Azalea)		18								
	Rhododendron (Azalea)	Dora Amateis	3								
	Rhododendron		12								
	Rhododendron (Azalea)	Purple Splendor Herber	4								
17				15	G	M		Y		7/19	3627
	Rhododendron (Azalea)		8								
	Euonymus		4								
	Rhododendron	Rochelle	10								
	Rhododendron	Caroline	6								
	Rhododendron		15								
	Rhododendron	Nadmi x fortunei-madon	2								
19	Rhododendron (Azalea)		5	4	F	M		N		7/19	83
20				8	F	M		N		7/19	569
	Rhododendron (Azalea)	Prunifolium	12								
	Rhododendron (Azalea)		13								
21	Rhododendron		9	12	G	M		N		7/19	494
				10	G	M		N	603	7/19	1189
	Rhododendron	Anna Rose Whitney	12								
	Rhododendron	Cosmopolitan	1								
	Rhododendron (Azalea)		16								
	Camellia		1								
	Rhododendron (Azalea)	Prunifolium	6								
	Fothergilla		2								
28				12	G	M	honeysuckle vine	N		7/19	4687
	Rhododendron	Carolinianum	2								

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
	Rhododendron		36								
	Rhododendron (Azalea)	Prunifolium	35								
	Pieris		1								
	Aucuba		1								
40				6	G	M	honeysuckle and brambles	N	615	7/19	1990
	Rhododendron		10								
	Rhododendron (Azalea)	Indica alba	3								
	Rhododendron (Azalea)		18								
47				8	G	M	vinca and spiderwort	Y		7/19	1427
	Rhododendron (Azalea)	Geisha	6								
	Rhododendron (Azalea)	Beni Kinshima	4								
	Rhododendron (Azalea)		31								
	Rhododendron (Azalea)	Coral Bells	2								
	Rhododendron (Azalea)	Day Spring	1								
	Rhododendron (Azalea)	Viscosium	1								
	Rhododendron (Azalea)	Helen Curti	1								
	Rhododendron (Azalea)	Sakura Gala	3								
52	Juniper		5	3	G	M	screens pumpcover	N	623	7/20	273
54				5	G	M		Y	625	7/20	334
	Rhododendron (Azalea)		24								
	Rhododendron		4								
56				5	G	M	Vinca and 1 Rhododendron in decline	Y	627	7/20	265
	Rhododendron	PJM	3								
	Rhododendron (Azalea)		2								
58				12	F	M	plants thinning out in center and some dieback	Y	630	7/20	4926
	Rhododendron	Hannah Hersey	1								
	Rhododendron	Scintalastic	1								
	Rhododendron	David Gable	4								

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
	Rhododendron	Betty Hume	5								
	Rhododendron	Taurus	4								
	Rhododendron	Fantastique	1								
	Rhododendron	Cadis	10								
	Rhododendron (Azalea)	Pioneer	3								
	Rhododendron		3								
	Rhododendron (Azalea)		11								
65	Rhododendron (Azalea)		8	6	F	M	thinning out and vinca present	Y	639	7/20	635
77	Rhododendron (Azalea)		6	3	F	M	thinning smilax and VA creeper	Y	646	7/20	215
81	Buxus		19	4	F	M	3 in P condition with some dieback	N	648	7/20	435
84	Buxus		1	7	G	M	recovering - center died	Y	650	7/20	44
90				6	F	M	wisteria, pokeweed, magnolia and ilex seedlings	Y	656	7/20	2706
	Buxus		18								
	Rhododendron		3								
99				10	G	M		Y	667	7/20	4186
	Rhododendron (Azalea)	arborescens x baker x atl	1								
	Rhododendron (Azalea)	viscosum x baker frag p	1								
	Rhododendron (Azalea)		10								
	Rhododendron		14								
	Leucothoe		5								
	Euonymus		1						665		
112				8	F	M	grapevine on tops of plants some dead plants	Y	671	7/21	2943
	Rhododendron (Azalea)		44								
	Rhododendron (Azalea)	Prunifolium	5								
	Rhododendron (Azalea)	D Sogn	2								
	Rhododendron		1								
	Lindera		2								
116				8	G	M	part of a larger bed 112 and 99	Y		7/21	1849

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
	Rhododendron (Azalea)		34								
	Rhododendron		36								
	Calycanthus	sweetshrub	1								
	Euonymus		3								
	Lindera		2								
	Lonicera		1				bush honeysuckle				
119	Rhododendron (Azalea)		11	7	G	M		Y	679	7/21	284
121				5	G	M	jack in the pulpit, fern, vinca major, vine	Y	680	7/21	414
	Rhododendron (Azalea)	Fahr	7								
	Rhododendron (Azalea)		12								
	Camellia		2								
126				8	G	M	magnolia seedlings, microstegium, bush honeysuckle	Y	681	7/21	1563
	Camellia		18								
	Lindera		5								
	Euonymus		5								
	Rhododendron (Azalea)		8								
	Camellia	Grace Bunto	1								
	Elaeagnus		1						688		
131				15	F	M	yew at house a hazard remove magnolia 4" DBH	Y	691	7/21	5351
	Lindera		7								
	Euonymus		2								
	Taxus		5								
	Lonicera		1								
	Rhododendron (Azalea)		3				poor condition				
141				4	P	M	small Japanese maple fern vinca microstegium	Y	702	7/21	1480
	Rhododendron (Azalea)		11								
	Rhododendron		1								
	Impatiens		20				jewelweed				

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
145				2	F	M	heavily infested with microstegium	Y	707	7/21	758
	Rhododendron (Azalea)		12								
	Rhododendron		1								
147				6	G	M	heavily infested with ivy and hornet nest on viburnum	Y	710	7/21	2327
	Rhododendron (Azalea)		73								
	Rhododendron		1								
	Lonicera		2								
	Viburnum		6								
	Camellia		7								
	Euonymus		3								
160				4	F	M	white pine sapling vinca small yew	Y		7/21	458
	Rhododendron (Azalea)		24								
	Rhododendron		5								
	Lindera		1								
161				8	F	M	center covered in grapevine	Y		7/21	2858
	Rhododendron (Azalea)		98								
	Ligustrum		6								
	Rhododendron		8								
	Lonicera		5								
	Lindera		2								
176	Buxus		22	3	F	M		N		7/21	335
177				15	F	M	signs of pest eating leaves	N		7/21	107
	Lindera		1								
	Corylus		2	0			hazelnut				0
178				8	F	M		N		7/21	877
	Rhododendron		5								
	Rhododendron (Azalea)		1				poor condition				
	Lindera		4								
183				14	G	M		Y	733	7/21	675
	Rosa		3								
	Lindera		4								
	Lonicera		1								
	Corylus		4				hazelnut				
185	Rhododendron		12	7	F	M	some thin and	Y	737	7/21	856

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
	(Azalea)						yellow				
186	Taxus		6	5	G	M	yew at nursery area	N	739	7/21	164
187	Picea		6	20	G	M	blue spruce	N	740	7/21	158
188				10	G	M		Y	741	7/21	3024
	Rhododendron (Azalea)		34								
	Rhododendron (Azalea)	Prunifolium	1								
	Rhododendron		13								
	Lindera		3								
	Lonicera		1								
195	Rhododendron (Azalea)		6	8	F	M		N		7/22	542
200	Rhododendron (Azalea)		5	4	F	M		N		7/22	407
201				4	F	M	poison ivy	N		7/22	650
	Rhododendron (Azalea)		9								
	Lonicera		1				bush honeysuckle				
241				6	F	M	Rhododendron thinning out	Y	790	7/22	3135
	Rhododendron (Azalea)		4								
	Rhododendron		20								
	Euonymus		1								
259				5	G	M	slightly yellow	Y		7/22	419
	Rhododendron (Azalea)		6								
	Buxus		1								
	Rosa		1				multiflora rose				
	Lindera		1								
261	Rhododendron (Azalea)		14	5	F	M	grapevine infestation	Y		7/22	801
272	Unknown		3	12	P	M	shrub mass completely covered in grapevine	N	800	7/22	888
275				6	P	M	remove	Y	801	7/22	199
	Rhododendron (Azalea)		3								
	Morus		1				mulberry				
	Lonicera		1				bush honeysuckle				
	Pyrus		2				Bradford pears cut back				
277	Rhododendron (Azalea)		2	2	F	M	weedy unmown area	Y	802	7/22	592
289	Lonicera		6	10	G	M	bush	Y		7/22	343

Shrub Mass ID#	Genus	Species (Tag ID)	Q	H	C	M	Comment	GB	Photo ID#	GPS Date	Area
							honeysuckle				
290	Rhododendron (Azalea)		7	2	P	M		Y		7/22	74
292	Pieris		9	9	F	M	along drive with minor pest damage	N		7/23	190
293				7	F	M	most are good; 3 are thin; 1 covered in honeysuckle	N	806	7/23	708
	Rhododendron		14								
	Rhododendron (Azalea)		2								
294				10	F	M	interior rhododendron almost dead	N	807	7/23	3947
	Rhododendron		48								
	Rhododendron (Azalea)		2								
312	Rhododendron (Azalea)		11	12	F	M	center thinning	N		7/23	321
701	Rhododendron (Azalea)		14	6	G	M					
702				6	G	M					
	Rhododendron (Azalea)		20								
	Rhododendron		5								
703				5	G	M					
	Rhododendron (Azalea)		4								
	Buxus		1								
	Lonicera		2								
704	Arborvitae		8	10	F	M	thinning out and crowded	N			
705				7	F	M		N			
	Rhododendron		2								
	Pieris		3				Pieris show signs of infestation				
706	Euonymus		8	7	G	M		N			

Individual Shrubs

Individual shrubs that were not considered part of a larger shrub mass are identified as point features with much of the same attribute information as shrub massings. Each shrub has an identification number that corresponds with the map. All shrubs are identified by genus with azalea listed in parenthesis after genus name, where appropriate. If a shrub was tagged, the name is recorded in the Species (Tag ID) field. The condition (C) for each shrub was evaluated and recorded using the following abbreviations: poor (P), fair (F), and good (G). The height (H) of each shrub is recorded in feet. The shrub was also evaluated mature (M) or immature (I) under the mature (M) category. A comment field includes any notes and observations taken in the field. The Photo ID# category lists specific photographs by file number for that feature. The date the feature was collected is recorded under GPS Date; all dates occur in the year 2004.

Shrub ID#	Genus	C	H	M	Comment	Photo ID#	GPS Date
49	Rhododendron (Azalea)	Good	3	M	gumpo		7/19
50	Rhododendron (Azalea)	Good	3	M	gumpo		7/19
75	Buxus	Good	5	M	8 diameter point taken on walk edge		7/20
76	Buxus	Fair	4	M	6 diameter point taken from walk center dead	645	7/20
97	Wisteria	Good	70	M	wisteria at barn	661	7/20
208	Rhododendron	Fair	6	M	thin center		7/22
209	Rhododendron	Fair	7	M	thin center yellow leaves		7/22
215	Lonicera	Good	15	M	bush honeysuckle		7/22
237	Rhododendron	Good	11	M	yucca at base		7/22
254	Ligustrum	Good	15	M	chinese privet		7/22
256	Ligustrum	Good	12	M	chinese privet	798	7/22
295	Pieris	Good	12	M	some lacewing		7/23
300	Leucothoe	Good	3	M			7/23
301	Toxicodendron	Good	3	M	poison ivy 12x6 with small sassafras		7/23
308	Rhododendron	Fair	5	M	thinning out		7/23
309	Rhododendron	Good	7	M			7/23
311	Rhododendron	Good	8	M			7/23
323	Euonymus	Good	8	M		858	7/23
327	Taxus	Good	8	M	yew at barn		7/23
328	Ilex	Good	7	M	poplar and cherry saplings will overgrow		7/23
329	Ilex	Good	8	M	becoming shaded out by lindera	860	7/23
330	Lonicera	Good	12	M	big bush honeysuckle rose at base and grapevine		7/23

Shrub ID#	Genus	C	H	M	Comment	Photo ID#	GPS Date
					on top		
600	Buxus	Fair	2	M	shaded out		7/20
601	Buxus	Fair	2	M			7/20
602	Buxus	Good	2	M			7/20
603	Buxus	Good	3	M			7/20
604	Buxus	Good	3	M			7/20
605	Buxus	Good	3	M			7/20
606	Buxus	Good	3	M			7/20
607	Buxus	Good	3	M			7/20
608	Buxus	Good	3	M			7/20
609	Buxus	Good	3	M			7/20
610	Buxus	Good	3	M			7/20
611	Buxus	Good	3	M			7/20
612	Camellia	Good	5	M			7/20
613	Buxus	Good	3	M			7/20

Trees

Trees are identified as point features and each tree has an identification number that corresponds to the map. Trees are identified by genus, species, and common name. The size of each tree was measured by DBH in inches. The condition (C) for each shrub was evaluated and recorded using the following abbreviations: poor (P), fair (F), and good (G). A comment field is included for notes and observations taken in the field. The tree was also evaluated on whether or not it was mature (M) or immature (I). If the tree was determined to be immature, the tree's DBH at maturity (in inches) is listed in the last category (M DBH). The Photo ID# category lists specific photographs by file number for that feature. The date the feature was collected is recorded under GPS Date; all dates occur in the year 2004.

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
2	Carya tomentosa	Mockernut hickory	16	G		M		7/19	
4	Gymnocladus dioicus	Kentucky coffeetree	18	F		M		7/19	
5	Liriodendron tulipifera	Tulip poplar	27	G		M		7/19	
6	Ilex opaca	American holly	7	F		M		7/19	
7	Ilex opaca	American holly	6	G		M		7/19	
8	Ilex opaca	American holly	6	G		M		7/19	
9	Prunus serotina	Black cherry	7	P	DEAD			7/19	
10	Carya glabra	Pignut hickory	13	G		M		7/19	
12	Carya tomentosa	Mockernut hickory	16	F	dead branch	M		7/19	
14	Quercus rubra	Red oak	20	G		I		7/19	24-36
15	Amelanchier arborea	Serviceberry	6	G	serviceberry	M		7/19	
16	Quercus falcata	Southern red oak	22	G	dead branches	M		7/19	
22	Quercus rubra	Red oak	19	G		I		7/19	24-36
23	Juglans regia	English walnut	11	G	English walnut (as noted by Mrs. White)	M	600	7/19	
24	Quercus falcata	Southern red oak	22	G		M		7/19	
27	Cornus florida	Flowering dogwood	6	F	2 trunks	M		7/19	
29	Quercus rubra	Red oak	26	G	1 dead branch	M		7/19	
30	Quercus falcata	Southern red oak	23	G	1 dead branch	M		7/19	
31	Carya tomentosa	Mockernut hickory	9	G		I		7/19	10-20

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
32	Quercus rubra	Red oak	23	G	leaning and some dead branches	I		7/19	24-36
33	Quercus rubra	Red oak	28	F	some damage	M		7/19	
34	Liriodendron tulipifera	Tulip poplar	22	G		M		7/19	
35	Quercus rubra	Red oak	10	G		I		7/19	24-36
36	Liriodendron tulipifera	Tulip poplar	19	G		M		7/19	
37	Liriodendron tulipifera	Tulip poplar	29	G		M		7/19	
38	Liriodendron tulipifera	Tulip poplar	35	G		M		7/19	
39	Liriodendron tulipifera	Tulip poplar	29	G		M		7/19	
43	Quercus falcata	Southern red oak	23	G		M	621	7/19	
44	Lagerstroemia indica	Crape myrtle	5	G	multistem	M	622	7/19	
45	Lagerstroemia indica	Crape myrtle	5	G	multistem honeysuckle on trunk	M		7/19	
46	Lagerstroemia indica	Crape myrtle	5	G	multistem	M		7/19	
48	Carya glabra	Pignut hickory	16	G		M		7/19	
51	Carya glabra	Pignut hickory	14	G		M		7/20	
55	Quercus alba	White oak	52	G		M		7/20	
57	Quercus alba	White oak	30	G	leaning and vine on tree	M	628	7/20	
59	Liriodendron tulipifera	Tulip poplar	44	G		M		7/20	
60	Quercus rubra	Red oak	22	G	some dead branches	I	629	7/20	24-36
61	Acer rubrum	Red maple	14	G		M		7/20	
62	Quercus falcata	Southern red oak	25	G	some dead branches	M		7/20	
63	Picea spp.	Spruce	20	G		M		7/20	
64	Quercus falcata	Southern red oak	40	G	1 large dead branch 8” DBH holly at base	M		7/20	
66	Taxus spp.	Yew	6	F	double trunk yew with some die back at top	M		7/20	
67	Acer saccharum	Sugar maple	21	G		M	641	7/20	
68	Liquidambar styracif	Sweetgum	15	G		M		7/20	

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
69	Liriodendron tulipifera	Tulip poplar	19	G	iris planted at base	M		7/20	
70	Liriodendron tulipifera	Tulip poplar	27	G	ivy beginning to grow at base	M		7/20	
71	Gymnocladus dioicus	Kentucky coffeetree	18	G		M		7/20	
72	Gymnocladus dioicus	Kentucky coffeetree	19	G		M		7/20	
73	Gymnocladus dioicus	Kentucky coffeetree	9	G		I		7/20	12-24
74	Gymnocladus dioicus	Kentucky coffeetree	11	G		I		7/20	12-24
78	Quercus phellos	Willow oak	45	G	few dead branches	M	646	7/20	
80	Cornus florida	Flowering dogwood	8	G		M		7/20	
83	Juglans nigra	Black walnut	22	G		M		7/20	
85	Quercus stellata	Post oak	25	G	post oak	M		7/20	
86	Gymnocladus dioicus	Kentucky coffeetree	16	G	trumpet vine on tree	M		7/20	
87	Taxus spp.	Yew	8	G	yew	M	651	7/20	
88	Thuja spp.	Arborvitae	8	F		M		7/20	
91	Cornus florida	Flowering dogwood	5	P	next to toppled tree, ivy on it	M	658	7/20	
92	Ilex opaca	American holly	5	P	holly at fallen tree	M		7/20	
93	Ilex opaca	American holly	5	P	vine infested	M	659	7/20	
94	Magnolia grandiflora	Southern magnolia	14	G	average DBH for 6 trunks	M		7/20	
95	Magnolia grandiflora	Southern magnolia	12	G	2 trunks	M		7/20	
96	Fagus grandifolia	American beech	35	G		M	660	7/20	
98	Juglans nigra	Black walnut	17	F	wisteria infested	I		7/20	20-30
100	Quercus falcata	Southern red oak	25	G		M		7/20	
101	Acer rubrum	Red maple	23	G		M		7/20	
102	Cornus florida	Flowering dogwood	5	G		M		7/20	
103	Cercis canadensis	Eastern redbud	8	G	few dead twigs	M		7/20	
104	Pinus echinata	Shortleaf pine	5	G	3 trunks and a dead branch	M		7/20	
105	Pinus echinata	Shortleaf pine	8	P	mostly dead	M		7/20	

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
					vine infested short leaf pine				
106	Picea spp.	Spruce	7	G		M		7/20	
107	Cornus florida	Flowering dogwood	7	F	older losing some branches	M		7/20	
108	Ilex opaca	American holly	7	G		M		7/20	
109	Ilex opaca	American holly	7	G		M		7/20	
110	Cornus florida	Flowering dogwood	5	G		M		7/20	
111	Acer rubrum	Red maple	24	G	few dead twigs	M		7/20	
113	Quercus alba	White oak	20	G		I		7/21	30-48
114	Cornus florida	Flowering dogwood	5	G		M		7/21	
115	Quercus falcata	Southern red oak	22	G	slight lean	M		7/21	
117	Cornus florida	Flowering dogwood	5	G	in lawn adjacent bed	M		7/21	
118	Liriodendron tulipifera	Tulip poplar	38	G		M		7/21	
120	Carya tomentosa	Mockernut hickory	8	G		I		7/21	10-20
122	Carya tomentosa	Mockernut hickory	6	F	lower dead branches	I		7/21	10-20
123	Liriodendron tulipifera	Tulip poplar	20	G		M		7/21	
124	Liriodendron tulipifera	Tulip poplar	25	G		M		7/21	
125	Carya tomentosa	Mockernut hickory	7	G		I		7/21	10-20
127	Liriodendron tulipifera	Tulip poplar	43	G		M		7/21	
128	Carya tomentosa	Mockernut hickory	9	G		I		7/21	10-20
129	Carya tomentosa	Mockernut hickory	7	G		I		7/21	10-20
130	Carya tomentosa	Mockernut hickory	14	G		M		7/21	
132	Thuja spp.	Arborvitae	12	G		M		7/21	
133	Acer platanoides	Norway maple	21	G		M		7/21	
134	Pinus echinata	Shortleaf pine	6	P	dead and should be removed	M		7/21	
135	Cercis canadensis	Eastern redbud	5	F	dead leader replaced by	M		7/21	

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
					other branch				
136	Cercis canadensis	Eastern redbud	5	F	large dead branch	M		7/21	
137	Carya tomentosa	Mockernut hickory	18	G		M		7/21	
138	Carya tomentosa	Mockernut hickory	13	F	dead branches at crown	M		7/21	
139	Carya tomentosa	Mockernut hickory	11	F		M	698	7/21	
140	Liriodendron tulipifera	Tulip poplar	37	G	remove dead branch	M	699	7/21	
142	Carya tomentosa	Mockernut hickory	16	G		M		7/21	
143	Carya tomentosa	Mockernut hickory	9	F	pest eating leaves minor damage	I		7/21	10-20
144	Quercus rubra	Red oak	22	F	dead upper branches	I		7/21	24-36
146	Liriodendron tulipifera	Tulip poplar	21	G	two 21 DBH trunks	M		7/21	
148	Carya tomentosa	Mockernut hickory	10	G		M		7/21	
149	Carya tomentosa	Mockernut hickory	7	G		I		7/21	10-20
150	Liriodendron tulipifera	Tulip poplar	36	P	center is gone leaning	M	718	7/21	
151	Liriodendron tulipifera	Tulip poplar	22	F	ivy infestation	M		7/21	
152	Carya tomentosa	Mockernut hickory	8	F	ivy infestation	I		7/21	10-20
153	Liriodendron tulipifera	Tulip poplar	27	F	ivy infestation	M		7/21	
154	Liriodendron tulipifera	Tulip poplar	24	F	ivy infestation	M		7/21	
155	Liriodendron tulipifera	American beech	14	F	ivy infestation	M		7/21	
156	Liriodendron tulipifera	Tulip poplar	37	F	ivy infestation	M		7/21	
157	Carya tomentosa	Mockernut hickory	11	F	ivy infestation	M		7/21	
158	Carya tomentosa	Mockernut hickory	14	F	ivy infestation	M		7/21	
162	Liriodendron tulipifera	Tulip poplar	23	G	three 23 DBH trunks	M		7/21	
163	Carya tomentosa	Mockernut hickory	10	G		M		7/21	
164	Carya tomentosa	Mockernut hickory	17	G		M		7/21	

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
165	Unknown	Not Determined	10	P	DEAD possible hickory			7/21	
166	Carya tomentosa	Mockernut hickory	11	G		M		7/21	
167	Carya tomentosa	Mockernut hickory	17	F	leaning	M		7/21	
168	Carya tomentosa	Mockernut hickory	12	G		M		7/21	
169	Carya tomentosa	Mockernut hickory	12	G		M		7/21	
170	Liriodendron tulipifera	Tulip poplar	31	G	two 31" DBH trunks one trunk leaning slightly, slight ivy infestation	M		7/21	
171	Carya tomentosa	Mockernut hickory	9	F	ivy infestation	I		7/21	10-20
172	Liriodendron tulipifera	Tulip poplar	28	F	minor ivy infestation and slight lean	M		7/21	
173	Quercus alba	White oak	13	F	shaded out by tulip poplar causing major lean	I		7/21	30-48
174	Juglans nigra	Black walnut	18	G		I		7/21	20-30
179	Carya tomentosa	Mockernut hickory	9	P	DEAD			7/21	10-20
180	Liriodendron tulipifera	Tulip poplar	37	G	on bed edge	M		7/21	
181	Quercus rubra	Red oak	29	F	major lean near bed edge	M		7/21	
182	Liriodendron tulipifera	Tulip poplar	40	G	ivy on trunk	M		7/21	
184	Juglans nigra	Black walnut	34	G		M		7/21	
189	Taxus spp.	Yew	6	G	multi trunk yew	M		7/21	
190	Liriodendron tulipifera	Tulip poplar	18	F	loss top of tree, otherwise healthy	M		7/21	
191	Prunus serotina	Black cherry	20	G		M		7/21	
196	Acer negundo	Boxelder	15	F	top is dead	M		7/22	
197	Prunus serotina	Black cherry	15	G	15 DBH for 2 trunks	M		7/22	
202	Prunus	Black cherry	16	F	no lateral	M		7/22	

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
	serotina				branching and loss of major branch				
206	Liriodendron tulipifera	Tulip poplar	24	P	Hazard, damaged center, ivy infestation, and large dead branch habitat for wildlife	M		7/22	
207	Magnolia grandiflora	Southern magnolia	11	G	average DBH for 2 trunks	M		7/22	
210	Carya illinoinensis	Pecan	19	G	pecan	M		7/22	
211	Carya illinoinensis	Pecan	23	G	pecan	M		7/22	
213	Castanea mollissima	Chinese chestnut	9	P	leaning thinned by infestation or dieback	I		7/22	12-24
214	Cornus florida	Flowering dogwood	6	P	Hazard, severe infestation possible anthracnose	M		7/22	
216	Juglans nigra	Black walnut	7	G	pond edge	I		7/22	20-30
217	Cornus florida	Flowering dogwood	6	F		M	770	7/22	
218	Cornus florida	Flowering dogwood	6	G		M		7/22	
219	Cornus florida	Flowering dogwood	8	G		M		7/22	
220	Cornus florida	Flowering dogwood	6	F		M		7/22	
221	Quercus rubra	Red oak	7	P	Hazard, mostly dead	I		7/22	24-36
222	Quercus rubra	Red oak	14	P	Hazard, in decline	I		7/22	24-36
223	Unknown	Not Determined	18	P	almost dead, possible mulberry	M	772	7/22	
224	Pinus echinata	Shortleaf pine	9	P	double trunk	M	774	7/22	

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
226	Juglans nigra[1]	Black walnut	22	P	leaning	M		7/22	
228	Pinus echinata	Shortleaf pine	9	P	dead double trunk next to fallen tree	M		7/22	
229	Castanea mollissima	Chinese chestnut	20	P	thinning out, potential hazard	M	782	7/22	
234	Prunus serotina	Black cherry	0	P	DEAD, fallen in lawn, DBH unknown		786	7/22	
235	Gymnocladus dioicus	Kentucky coffeetree	16	G		M		7/22	
239	Quercus rubra	Red oak	24	P	in decline and tagged by others	M		7/22	
240	Liriodendron tulipifera	Tulip poplar	33	P	leaning and tagged by others	M		7/22	
242	Liriodendron tulipifera	Tulip poplar	33	G		M		7/22	
243	Picea spp.	Spruce	8	F	dead lower branches	M		7/22	
244	Ilex opaca	American holly	6	G		M		7/22	
245	Picea spp.	Spruce	7	G		M		7/22	
246	Picea spp.	Spruce	5	F		M		7/22	
247	Picea spp.	Spruce	15	G		M		7/22	
251	Juglans nigra	Black walnut	21	G		M		7/22	
252	Juglans nigra	Black walnut	17	G		I		7/22	20-30
253	Juglans nigra	Black walnut	16	G		I		7/22	20-30
255	Prunus serotina	Black cherry	8	P	black cherry leaning, loss of lots leaves	M		7/22	
257	Pinus echinata	Shortleaf pine	11	P		M		7/22	
258	Pinus echinata	Shortleaf pine	12	P	remove	M		7/22	
260	Tilia americana	American linden	21	G	lots of root sprouts	M		7/22	
262	Castanea mollissima	Chinese chestnut	18	F	tree surrounded by holly 12 ft. in dia.	M		7/22	

[1] In January 2006, FCPA staff revisited this tree upon request of Mrs. White. Further examination indicates that this tree may be *Carya myristiciformis* (Nutmeg hickory). A closer examination of this tree after leaf-out is recommended to accurately determine the species; the database should also be updated, if necessary.

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
263	Unknown	Not Determined	9	F	fruit tree, possibly a pear, with two 9" DBH trunks privet at base	M	799	7/22	
264	Castanea mollissima	Chinese chestnut	17	F		M		7/22	
265	Castanea mollissima	Chinese chestnut	18	G	one dead branch	M		7/22	
266	Castanea mollissima	Chinese chestnut	20	G		M		7/22	
267	Carya illinoinensis	Pecan	22	F	grapevine infestation	M		7/22	
268	Carya illinoinensis	Pecan	22	P	vine infested	M		7/22	
269	Unknown	ND	12	P	fruit tree possibly a pear	M		7/22	
270	Unknown	ND	9	G	fruit tree possibly an apple with two 9" DBH trunks	M		7/22	
271	Juglans nigra	Black walnut	22	G	some tip dieback remove wire	M		7/22	
273	Unknown	ND	5	F	fruit tree possibly an apple	M		7/22	
274	Paulownia tomentosa	Princess tree	5	G	invasive	I		7/22	12-24
276	Sophora japonica	Chinese scholar tree	12	G		M		7/22	
278	Paulownia tomentosa	Princess tree	9	G	invasive	I		7/22	12-24
279	Paulownia tomentosa	Princess tree	10	G	invasive	I		7/22	12-24
280	Unknown	ND	8	F	fruit tree possibly a cherry DBH is average of 3 trunks	M		7/22	
281	Morus spp.	Mulberry	11	F	mulberry prune and remove vine	M		7/22	
282	Juglans nigra	Black walnut	18	G	shaded out by adjacent walnut	I		7/22	20-30
283	Juglans nigra	Black walnut	20	G		I	803	7/22	20-30

Tree ID#	Genus and Species	Common Name	DBH	C	Comment	M	Photo ID#	GPS Date	M DBH
284	Juglans nigra	Black walnut	23	G		M		7/22	
285	Juglans nigra	Black walnut	19	G	leaning	I		7/22	20-30
286	Pinus strobus	Eastern white pine	18	F	loss of limbs and vine growing on tree	M		7/22	
287	Pyrus calleryana[2]	Bradford pear	13	G	three trunks with 13" DBH average	M	804	7/22	
288	Juglans nigra	Black walnut	19	G	mulberry at base surrounded by bush honeysuckle	I		7/22	20-30
291	Taxus spp.	Yew	5	G	multitrunk yew	M		7/22	
326	Morus spp.	Mulberry	7	F	mulberry at base of walnut	M		7/23	
901	Quercus rubra	Red oak	11	F	dead leader	I		7/29	24-36
902	Juglans nigra	Black walnut	31	G		M		7/29	
903	Liriodendron tulipifera	Tulip poplar	32	G		M		7/29	
904	Juglans nigra	Black walnut	21	G	a few dead branches	M		7/29	

[2] In January 2006, FCPA staff revisited the site and determined that these trees may have been removed after the inventory was complete; the database should be updated accordingly.

Garden Beds

Garden beds are delineated areas that usually contain herbaceous groundcovers, and in some cases, also contain shrub massings creating overlapping features on the map. The number listed under Bed ID# corresponds to the number on the Resource Inventory Map. The category titled Common Name lists the herbaceous plants found in the garden bed. A comment field is included for additional notes and observations taken in the field. The Photo ID# category lists specific photographs by file number for that feature. The date the feature was collected is recorded under GPS Date; all dates occur in the year 2004.

Bed ID#	Common Name	Comment	Photo ID#	GPS Date	Area
18	Contains grapevine, daylily, pokeweed, euonymus, microstegium, pachysandra		599	7/19	3417
25	Contains smilax, vinca, wisteria, English ivy, and poison ivy	rock edging	603	7/19	6940
42	Contains brambles, daylily, grapevine, garden phlox, cherry saplings, vinca, others perennials	overgrown	615	7/19	720
53	Vinca bed		624	7/20	287
159	Contains grapevine, vinca, bush honeysuckle	log edging	719	7/21	4612
175	Contains microstegium, English ivy, VA creeper		727	7/21	1452
194	Contains variety of weedy plants	nursery holding area	759	7/22	1950
324	Contains English ivy, privet	small loose stone retaining wall		7/23	533

Paths

The White property is characterized by a system of paths of several types. Woodland paths are those found within the woodland and are typically earthen surface. Garden paths are those in and around the garden areas and are a mixture of mown lawn, moss, or earthen surface. The brick and stone paths typically are in the vicinity of the White Residence. Each path has an identification letter that corresponds to the Resource Inventory Map. A comment field includes any notes and observations taken in the field. Width is the average width of the entire path recorded in feet. The Photo ID# lists the specific photographs by file number for that feature. The date the feature was collected is recorded under GPS Date; all dates occur in the year 2004.

Path ID	Type	Comment	Width	Photo ID#	GPS Date	Line ID#
A	Woodland	minor presence of ivy on path	5	813	7/23	297
B	Woodland	trail loop is overgrown, photo 815	6	814	7/23	298
C	Woodland	remnant path with various edging	3	816	7/23	299
D	Brick	segment 15.5x5	5	818	7/23	302
E	Garden	moss path	10		7/23	303
F	Garden	lawn and moss with small brick span	7	820	7/23	304
G	Garden	bare earth	5	824	7/23	305
H	Garden	widens at middle	8	825	7/23	306
I	Woodland	remnant path	5	826	7/23	307
J	Brick	many trip hazards, lower part has many uneven bricks, concrete block steps along path, and stone steps at drive	3	827	7/23	310
K	Brick	short segment	3	837	7/23	313
L	Brick	trip hazard yew and boxwood grown over path	3	837	7/23	314
M	Stone	front walk of gray sandstone with brick edging	4	849	7/23	316
N	Brick	small walk parallel to main walk	2		7/23	317
O	Brick	landing segment	2	850	7/23	318
P	Brick	path to greenhouse	3	852	7/23	319
Q	Garden	moss and mown weeds	6		7/23	320
R	Woodland	bare earth	5		7/23	321
S	Woodland	bare earth	5	855	7/23	322
T	Brick	segment to backyard	4		7/29	0

Cultural Features

Cultural features (excluding buildings) are located throughout the property. For the purpose of this report, cultural features are those constructed for the purpose of utilizing or managing the site. These features were not inventoried via GPS but are briefly described here.

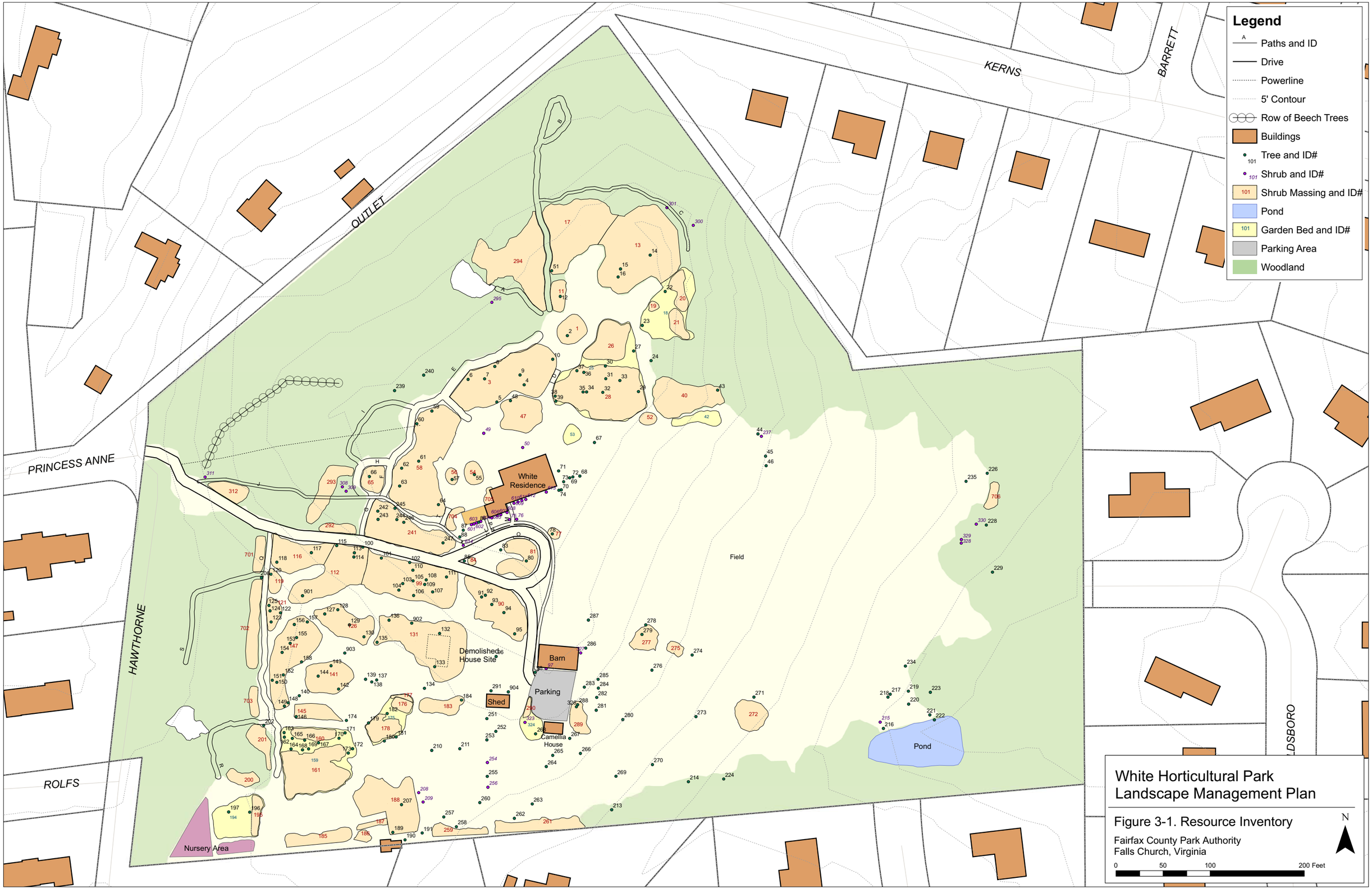
Several types of fence exist throughout the property. A box-wire fence is located along the south property line. A wooden post and three-board fence painted white exists along the west property line. Along the northwest property line, a wooden, two-rail fence runs along the outlet road. A chain-link fence marks the northeast property line. A wooden post and three-board fence painted white flanks either side of the drive at the entrance to the property. A short span of split-rail wooden fence with a gate is also located south of the dilapidated house; shrub massings surround the fence.

Overhead utilities also occur on the property. Power lines run along the Hawthorne Road outlet, along the outlet road from Princess Anne Lane, and from the utility pole at the entrance to connect to the residence. The line running north of the drive through the woods was located during field inventory and noted on the map.

Various stone features occur throughout the site. A dry-stacked stone wall lines the northern edge of the drive near the entrance. A stone retaining wall extends from the barn to form the edge of an earthen ramp located on the north side of the barn. Stacked stone was also utilized to create stormwater structures on the site. Alongside the drive, stone is used to direct water to an inlet and to conceal the pipe. A culvert is also created by stone stacked in a semi-circle.

Large piles of yard debris including cut trees and fallen branches are concentrated in three locations. These piles form barricades where neighboring streets (Kerns, Goldsboro, and Rolfs) dead-end at the property.

Another cultural feature is the pond, approximately ninety by fifty feet, in the southeast corner of the property. A natural spring was dammed to create this feature.


Legend
Paths and ID
Drive
Powerline
5' Contour
Row of Beech Trees
Buildings
Tree and ID#
Shrub and ID#
Shrub Massing and ID#
Pond
Garden Bed and ID#
Parking Area
Woodland
KERNS
BARRETT
OUTLET
PRINCESS ANNE
HAWTHORNE
ROLFS
WOODSBORO
White Residence
Demolished House Site
Barn
Parking
Shed
Camellia House
Pond
Field
Nursery Area
White Horticultural Park
Landscape Management Plan
Figure 3-1. Resource Inventory
Fairfax County Park Authority
Falls Church, Virginia
N
0
50
100
200 Feet

Upper Garden

Lower Garden

OUTLET

White Residence

Demolished House Site

Barn

Shed

Parking

Camellia House

Legend

- Paths and ID
- Drive
- Powerline
- 5' Contour
- Row of Beech Trees
- Buildings
- Tree and ID#
- Shrub and ID#
- Shrub Massing and ID#
- Pond
- Garden Bed and ID#
- Parking Area
- Woodland

White Horticultural Park Landscape Management Plan

Figure 3-2. Resource Inventory (Garden Area Details)

Fairfax County Park Authority
Falls Church, Virginia

N

0 20 40 80 Feet

White Horticultural Park
Landscape Management Plan

Figure 3-3. Photo Locations

Fairfax County Park Authority
Falls Church, Virginia

N

0 50 100 200 Feet