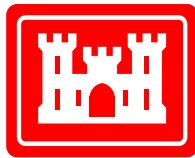


FOREST STAND DELINEATION REPORT
Bureau of Engraving and Printing
Currency Production Facility
Beltsville Agricultural Research Center



December 2019

Prepared For:

Bureau of Engraving and Printing
Washington, DC

Prepared By:

U.S. Army Corps of Engineers
Baltimore District, Planning Division
2 Hopkins Plaza
Baltimore, Maryland 21201

TABLE OF CONTENTS

I.	INTRODUCTION	1
II.	SITE DESCRIPTION	1
III.	METHODOLOGY	1
IV.	RESULTS	2
	STAND 1	2
	STAND 2	3
	STAND 3	4
	STAND 4	4
V.	CONCLUSIONS	5

Appendix A - Field Sampling Data Sheets

Appendix B - Forest Stand Map

Appendix C – Specimen Tree List

**FOREST STAND DELINEATION REPORT
BUREAU OF ENGRAVING AND PRINTING
BELTSVILLE AGRICULTURAL RESEARCH CENTER**

I. Introduction

The United States Department of Treasury (USDT) Bureau of Engraving and Printing (BEP) proposes to construct and operate a new currency production facility within the existing Beltsville Agricultural Center (BARC) in Prince George's County, Maryland. The new facility would replace BEP's current Currency Production Facility located in Washington, D.C. with a more modern facility that meets production needs. A smaller, strategically located, modern currency production facility would streamline work production and flow processes while increasing operational safety and security. Construction of such a facility would also reduce BEP's operational footprint within the national capital region by approximately 27 percent.

BARC, as a whole, is 6,850 acres of land northeast of Washington, D.C. The new currency production facility would be an approximately 1 million square foot facility located on a 104-acre site in the Central Farm area of BARC, along Poultry Road.

II. Site Description

BEP is a 104-acre parcel of land within the exiting BARC, in Beltsville, Maryland. It is bisected by Poultry Road, which runs north south. The property consists of cropland, forest, pasture, wetlands and paved and unpaved roads. In general, surface water appears to drain from the northeast to the southwest border of the property.

Sixteen abandoned buildings, which were dedicated to poultry research, are located in the center of the site. The western portion of the site is comprised of cropland and pasture. The eastern area of the site is comprised of forest and pasture with two buildings and one small shed. One of the buildings was dedicated to poultry research and one currently serves as BARC's Wildlife Office. The shed is used by the Wildlife Office to store animal traps and related paraphernalia. 188 specimen trees are located throughout the property.

The geology at BEP consists of Lower Cretaceous sediments of the Potomac Group, which consists of the Patuxent, the Arundel, and the Patapsco Formations, respectively decreasing in age. The Patuxent and Patapsco Formations are composed primarily of sand and gravel and comprise the most prevalent water bearing aquifers in Prince George's County. The Arundel is mostly clay and creates artesian conditions in the underlying Patuxent Formation in some locations.

III. Methodology

Prior to field investigations, topographic maps, county soil surveys, and Maryland Department of Natural Resources digital aerial orthophotographs were reviewed to identify probable forest stand boundaries. The project area was field investigated in September and October 2019 to identify,

delineate and characterize forest stands. Forest stands were distinguished primarily by differences in species composition and successional stage.

A full Forest Stand Delineation was conducted between 10 September and 1 October 2019. A 1/10 acre fixed plot sampling technique was used to assess forest stand conditions and forest structure. Sampling plots were chosen so as to be evenly distributed throughout the stand. A stick flag was placed in the center of each plot and along the perimeter of the circular plot in each of the four cardinal directions. The plot center was marked in the field with pink tape flagging and the stand and plot number labeled with a black marker. All additional forest stand and forest structure procedures for data collection follow guidelines of the State Forest Conservation Technical Manual (Third edition, 1997). The priorities of the stands are given according to the guidelines in the Technical Manual. Priority 1 stands have wetlands, specimen trees, streams, steep slopes, and/or other sensitive areas. In some cases a stand can have a sensitive area within its boundaries, but be a low quality stand based upon quality of vegetation, presence of invasive species or other values. These are noted in the stand descriptions.

IV. Results

Four forest stands, of two cover types, were identified within the study area. The cover types were red maple/black cherry and oak/hickory with differing species of oak being the co-dominant or dominant species. Stand variations result from changes in topographic position, degree of slope, and amount and type of historical human disturbance. Forest stand conditions and forest structure were assessed at sample plots within the stand as detailed in the following stand description (see also Appendix A). A summary of forest conditions within the stand is included in Appendix B. The attached map depicts the approximate location of the sampling plots and boundary of forest cover type within the study area. A brief description of the forest stand is as follows:

Stand 1

Sample Plots: 2
Successional Stage: Late
Priority: 1
Cover Type: Red Maple/Black Cherry

Stand 1 is co-dominated by red maple (*Acer rubrum*) and sweet gum (*Liquidambar styraciflua*) of size class 20-29.9" diameter at breast height (dbh), with approximately 80% canopy closure. Other trees in the canopy included willow oak (*Quercus phellos*), pin oak (*Quercus palustris*), green ash (*Fraxinus pennsylvanica*), black locust (*Robinia pseudoacacia*), box elder (*Acer negundo*), big-tooth aspen (*Populus grandidentata*), American holly (*Ilex opaca*), eastern red cedar (*Juniperus virginiana*), southern red oak (*Quercus falcata*) and persimmon (*Diospyros virginiana*).

The understory from 3' to 20' tall averages 80% coverage, and includes red maple, black gum, sweet gum, black cherry (*Prunus serotina*), American holly, persimmon, pin oak, northern dewberry (*Rubus flagellaris*), flowering dogwood (*Cornus florida*), poison ivy (*Toxicodendron radicans*), Tartarian

honeysuckle (*Lonicera tatarica*), viburnum spp., and common greenbrier (*Smilax rotundifolia*). Invasive species included Japanese orange (*Poncirus trifoliata*), Japanese barberry (*Berberis thunbergii*), and common privet (*Ligustrum vulgare*).

Common herbaceous and woody species 0' to 3' tall consist of red maple, southern red oak, northern dewberry, American holly, southern red oak, Oriental bittersweet (*Celastrus orbiculatus*) and invasive Japanese stilt grass (*Microstegium vimineum*), with approximately 100% coverage.

Invasive species observed were Japanese barberry, Japanese stilt grass, Tartarian honeysuckle, and Japanese honeysuckle with a high coverage of 70%. The wildlife value of the stand is moderate due to the presence of cover and forage, mostly in the form of hard mast. The stand rates a Priority 1 for retention because of its late successional stage, wetlands, and specimen trees.

Environmental Features

Stand 1 contains Wetland 1 and one specimen tree, but has a dense understory of invasive species.

Stand 2

Sample Plots: 4
Successional Stage: Mature
Priority: 1
Cover Type: Oak/hickory

Stand 2 is dominated by white oak (*Quercus alba*), of size class 20-29.9" diameter at breast height (dbh), with approximately 60% canopy closure.

The understory from 3' to 20' tall averages 60% coverage, and includes common privet, viburnum spp., red maple, American holly, persimmon, pin oak, white oak, low-bush blueberry (*Vaccinium angustifolium*), willow oak, common greenbrier, mockernut hickory (*Carya tomentosa*), black cherry, and Japanese stilt grass.

Common herbaceous and woody species 0' to 3' tall consist of white oak, common greenbrier, persimmon, American holly, willow oak, mockernut hickory, black cherry, sweet gum, and black oak (*Quercus velutina*), with approximately 100% cover.

Invasive species observed in one sample plot were Japanese honeysuckle (*Lonicera japonica*), Tartarian honeysuckle, Oriental bittersweet, common privet, Japanese barberry, and Japanese stilt grass, with a low coverage of 25%. The wildlife value of the stand is medium due to the presence of cover and forage, mostly in the form of hard mast. The stand rates a Priority 1 for retention because of its mature successional stage, specimen trees and lack of invasive species.

Environmental Features

Stand 2 contains 33 specimen trees and has a very low occurrence of invasive species.

Stand 3

Sample Plots: 2
Successional Stage: Mid
Priority: 2
Cover Type: Red Maple/Black Cherry

Stand 3 is dominated by red maple and black cherry, of size class 20-29.9" diameter at breast height (dbh), with approximately 60% canopy closure.

The understory from 3' to 20' tall includes sweet gum.

Common herbaceous and woody species 0' to 3' tall consist of white oak, Tartarian honeysuckle, Japanese honeysuckle, common privet, common blackberry (*Rubus fruticosus*), American holly, white avens (*Geum canadense*), poison ivy, Japanese orange, partridgeberry (*Mitchella repens*), sweet gum, willow oak, persimmon, Asiatic dayflower (*Commelina communis*), Japanese stilt grass, white oak, and Virginia creeper (*Parthenocissus quinquefolia*)

Invasive species observed in one sample plot were Japanese honeysuckle, Tartarian honeysuckle, Japanese stilt grass, Japanese barberry, multiflora rose (*Rosa multiflora*), Asiatic dayflower, and common privet, with approximately 60% cover. The wildlife value of the stand is medium due to the presence of cover and forage, mostly in the form of hard mast. The stand rates a Priority 2 for retention because of its mid successional stage and lack of specimen trees.

Environmental Features

Stand 2 contains one specimen tree and has a high occurrence of invasive species. There are no sensitive areas in the stand.

Stand 4

Sample Plots: 2
Successional Stage: Mature
Priority: 1
Cover Type: Oak/hickory

Stand 3 is dominated by white oak, of size class 20-29.9" diameter at breast height (dbh), with approximately 60% canopy closure.

The understory from 3' to 20' tall includes black cherry, red maple, red elm (*Ulmus rubra*), flowering dogwood, white oak, mockernut hickory, Japanese orange, and American holly.

Common herbaceous and woody species 0' to 3' tall consist of white oak, Tartarian honeysuckle, Japanese honeysuckle, American holly, willow oak, persimmon, green ash, northern arrowwood (*Viburnum dentatum*), common greenbrier, mockernut hickory, wild yam (*Dioscorea villosa*), and persimmon.

Invasive species observed in one sample plot were Tartarian honeysuckle, Japanese honeysuckle, and common privet, with a coverage of 50%. The wildlife value of the stand is moderate due to the presence of cover and forage, mostly in the form of hard mast. The stand rates a Priority 1 for retention because of its mature successional stage, stream, and 12 specimen trees.

Environmental Features

Stand 4 contains 12 specimen trees and a stream. It has a moderate amount of invasive species cover.

V. CONCLUSIONS

Four forest stands were delineated and assessed on the site, comprised of two cover types – red maple/black cherry and mixed oak. There are 47 specimen trees within the forest stands on-site, and an additional 141 specimen trees located throughout the remainder of the site. Invasive species coverage is moderate to high in Stands 1, 3, and 4, but is relatively low in Stand 2. All four stands have specimen trees and Stands 1 and 4 have wetlands or a stream. Stands 1, 2 and 4 rank as Priority 1 retention stands due to the presence of sensitive areas (wetlands and streams), specimen trees and the mature successional stage. Stand 3 ranks as Priority 2 for retention because of its lack of sensitive areas, young successional stage and high invasive coverage.

REFERENCES

- Eyre, F.H. 1980. Forest Cover Types of the United States and Canada. Society of American Foresters, Washington, D.C. 148 pp.
- Maryland Dept. of Natural Resources, 3rd ed., 1997. State Forest Conservation Technical Manual. Dept. of Natural Resources, Annapolis, Maryland.
- Maryland Dept. of Natural Resources, Maryland Natural Heritage Program. 2016. Rare, Threatened and Endangered Plants of Maryland. Dept. of Natural Resources, Annapolis, Maryland. 24pp.
- Maryland Geological Survey (MGS). Maryland Department of Natural Resources. 2016. Geology of Maryland. Available online at www.mgs.md.gov. Accessed on November 14, 2016.
- U.S. Department of Agriculture (USDA) Natural Resources Conservation Service. 2016. Web Soil Survey. Available online at <http://websoilsurvey.nrcs.usda.gov/>. Accessed November 14, 2016.
- U.S. Fish and Wildlife Service. 2016. National Wetlands Inventory, Conterminous 48 States. Washington, D.C. Updated continuously.

APPENDIX A

Field Sampling Data Sheets

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/MAJA

Owner: BARC

Stand #: 1

Plot #: 1

Forest Cover Type: Red maple/black cherry

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre:		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT															
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total
	Crown Position	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	
1 Willow Oak			1														1
2 Black Gum			5			1											6
3 Red Maple		10			6						1						17
4 Sweet Gum		4			4			1									9
5 Pin Oak									1								1
6 Green Ash																	0
7 Black Locust						2											2
8 Box Elder			4														4
Bigtooth Aspen						1											
9 Persimmon			1														1
Total Number of Trees per Size Class		25			14			2			1						41
Number & Size of Standing Dead Trees																	0
List of Woody Plant Species 3'-20':				Canopy Closure:						Percent of Invasive Cover per Plot (all layers):			Plot Successional Stage:				
Flowering Dogwood, Japanese Orange, Common Privet, Unknown Viburnum, Japanese Barberry, Common Greenbrier, Tartarian Honeysuckle, Unknown sedge				C	N	E	S	W	%	55%			Late				
				Y	Y	Y	Y	N	80								
List of Understory Species 0'-3':				Understory Cover 3'-20':						List of Major Invasive Species per Plot (All Layers):							
Virginia creeper, Japanese Stiltgrass, sensitive fern, thistle, Southern Red Oak, Northern Dewberry, American Holly				C	N	E	S	W	%	Stilt Grass, Japanese Barberry, Common Privet, Tartarian Honeysuckle, Japanese Honeysuckle							
				Y	Y	N	Y	Y	80								
Rare, etc. Species?	No			Herbaceous & Woody Cover 0'-3':						HABITAT: What species present?							
Specimen Trees?	No			C	N	E	S	W	%	White-tailed deer							
Historic Sites?	No			Y	Y	Y	Y	Y	100	Habitat size, location, configuration:							
Disease?	No			Downed Woody Debris:						Patch, contiguous with off-site forest							
Insects/Infestation?	Tent caterpillars																
Exotic Plants?	citrus			C	N	E	S	W	%	Wildlife cover/food/water?							
Leaf litter?	Light			Y	N	Y	Y	Y	80	Food							
Downed woody debris:	Moderate										Stand corridor/patch?						
FUNCTION: Where is stand in relation to sensitive areas on site?																	
Comments:																	
Mild west facing slope																	

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/MAJA

Owner: BARC

Stand #: 1

Plot #: 2

Forest Cover Type: Red maple/black cherry

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre: 70		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT															
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total
	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other		
1 Red Maple		1			2			2			1						6
2 Sweet Gum			1			3						1					5
3 Black Cherry		2			5			1									8
4 Sassafras						1			1								2
5 Eastern Red Cedar						1											1
6 Southern red Oak			1														1
7 Persimmon						1											1
8 American Holly						1											1
9																	0
Total Number of Trees per Size Class	5			14			4			2							25
Number & Size of Standing Dead Trees																	0
List of Woody Plant Species 3'-20':							Canopy Closure:					Percent of Invasive Cover per Plot (all layers):			Plot Successional Stage:		
Japanese Orange, Tartarian Honeysuckle, Japanese Barberry, Common Privet, American Holly, Southern red Oak, Persimmon, Poison Ivy							C	N	E	S	W	%	70%			Late	
Y							Y	Y	Y	N	Y	80					
List of Understory Species 0'-3':							Understory Cover 3'-20':					List of Major Invasive Species per Plot (All Layers):					
Stilt Grass, Pin Oak, Thistle, Oriental Bittersweet							C	N	E	S	W	%	Japanese stilt grass, oriental bittersweet, common privet				
Y							N	Y	Y	Y	80						
Rare, etc. Species?	No						Herbaceous & Woody Cover 0'-3':					HABITAT: What species present?					
Specimen Trees?	No						C	N	E	S	W	%	Yellow-bellied sapsucker, White-tailed Deer, squirrel				
Historic Sites?	No						Y	N	Y	Y	Y	80	Habitat size, location, configuration:				
Disease?	No											Patch, contiguous with off-site forest					
Insects/Infestation?	Bagworm						Downed Woody Debris:					Wildlife cover/food/water?					
Exotic Plants?	Yes						C	N	E	S	W	%	food cover and water available				
Leaf litter?	Light						Y	Y	N	Y	N	60	Stand corridor/patch?				
Downed woody debris:	Light																
FUNCTION: Where is stand in relation to sensitive areas on site? Wetland 1 is down slope																	
Comments: Dense understory of invasive species																	

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/MAJA

Owner: BARC

Stand #: 2

Plot #: 1

Forest Cover Type: Oak/hickory

Date: 09/10/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre: 90		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT																
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total	
	Crown Position	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other		
1	White Oak													2				2
2	Black Cherry			1			1											2
3	Red Maple			3			3											6
4	Flowering Dogwood			3														3
5	Black Oak			1					1									2
6	American Holly																	0
7	Black Gum			1														1
8																		0
9																		0
Total Number of Trees per Size Class		9			4			1			0			2				16
Number & Size of Standing Dead Trees		1			2													3
List of Woody Plant Species 3'-20': Common Privet, Viburnum Species, Red Maple, American Holly							Canopy Closure: C N E S W % Y Y Y Y Y 100					Percent of Invasive Cover per Plot (all layers): 25%			Plot Successional Stage: Mature			
List of Understory Species 0'-3': White Oak, Common Greenbrier, Persimmon, American Holly, Willow Oak							Understory Cover 3'-20': C N E S W % Y Y Y Y Y 100					List of Major Invasive Species per Plot (All Layers): Honeysuckle, Japanese Barberry, Oriental Bittersweet, Japanese Honeysuckle, Common Privet						
Rare, etc. Species? No		Herbaceous & Woody Cover 0'-3':					HABITAT: What species present? Gray Squirrel and White-tailed deer											
Specimen Trees? Yes		C N E S W % Y Y Y Y Y 100					Habitat size, location, configuration: Linear strip on eastern edge of property, contiguous with off-site forest											
Historic Sites? No		Downed Woody Debris: C N E S W % N N N Y N 20					Wildlife cover/food/water? Cover and water											
Disease? No							Stand corridor/patch?											
Insects/Infestation? No																		
Exotic Plants? Yes																		
Leaf litter? Light																		
Downed woody debris: Light																		
FUNCTION: Where is stand in relation to sensitive areas on site?																		
Comments: Area is in moderate drought. Understory shrubs and groundcover have wilted leaves.																		

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/MAJA

Owner: BARC

Stand #: 2

Plot #: 2

Forest Cover Type: Oak/hickory

Date: 09/10/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre:		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT															
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total
	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other		
1 White Oak													1				1
2 Black Oak			1			1			1								3
3 Black Cherry			1			1											2
4 Sweet Gum						1			1								2
5 Red Maple			6			2			1								9
6 Scarlett Oak			1	1													2
7 Persimmon			1														1
8																	0
9																	0
Total Number of Trees per Size Class	10			6			3			0			1				20
Number & Size of Standing Dead Trees	2																2
List of Woody Plant Species 3'-20': Persimmon, American Holly							Canopy Closure:					Percent of Invasive Cover per Plot (all layers):			Plot Successional Stage:		
							C	N	E	S	W	%	10%			Mature	
							Y	Y	Y	Y	N	80					
List of Understory Species 0'-3': Common Greenbrier							Understory Cover 3'-20':					List of Major Invasive Species per Plot (All Layers):					
							C	N	E	S	W	%	Common Privet, Oriental Bittersweet, Tartarian Honeysuckle				
							N	Y	Y	Y	Y	80					
Rare, etc. Species?	No						Herbaceous & Woody Cover 0'-3':					HABITAT: What species present?					
Specimen Trees?	Yes						C	N	E	S	W	%					
Historic Sites?	No						Y	Y	Y	Y	Y	100	Habitat size, location, configuration:				
Disease?	No											Patch, contiguous with off-site forest					
Insects/Infestation?	No						Downed Woody Debris:					Wildlife cover/food/water?					
Exotic Plants?	yes						C	N	E	S	W	%	Cover and food				
Leaf litter?	Light						Y	Y	Y	N	N	60	Stand corridor/patch? Patch				
Downed woody debris:	Light																
FUNCTION: Where is stand in relation to sensitive areas on site?																	
Comments: Dense common greenbrier																	

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/MAJA

Owner: BARC

Stand #: 2

Plot #: 3

Forest Cover Type: Oak/hickory

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre: 70		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT															
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total
	Crown Position	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	
1 Black Oak			3			1							1				5
2 Willow Oak						2							1				3
3 Red Maple			2														2
4 Southern Red Oak						1							1				2
5 Virginia Pine						1											1
6 Sweet Gum			1			3											4
7 Black Cherry			2			1											3
8 Post Oak															1		1
9 White Oak	1																1
Total Number of Trees per Size Class	9			9			0			3			1				22
Number & Size of Standing Dead Trees	1			1													2
List of Woody Plant Species 3'-20':							Canopy Closure:					Percent of Invasive Cover per Plot (all layers):			Plot Successional Stage:		
American Holly							C	N	E	S	W	%	20%			Mature	
							Y	Y	Y	Y	N	80					
List of Understory Species 0'-3':							Understory Cover 3'-20':					List of Major Invasive Species per Plot (All Layers):					
American Holly, White Oak, Willow Oak, Black Oak, Common Greebrier							C	N	E	S	W	%	Tartarian Honeysuckle				
							N	Y	N	Y	Y	60					
Rare, etc. Species?	No						Herbaceous & Woody Cover 0'-3':					HABITAT: What species present?					
Specimen Trees?	Yes						C	N	E	S	W	%	White-breasted Nuthatch				
Historic Sites?	No						Y	Y	Y	Y	Y	100	Habitat size, location, configuration: Patch, contiguous with off-site forest				
Disease?	No																
Insects/Infestation?	No						Downed Woody Debris:					Wildlife cover/food/water?					
Exotic Plants?	Yes						C	N	E	S	W	%	Cover and food				
Leaf litter?	Light						Y	N	N	N	N	20	Stand corridor/patch?				
Downed woody debris:	Light																
FUNCTION: Where is stand in relation to sensitive areas on site?																	
Comments: More open understory than other plots in stand																	

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/LJ

Owner: BARC

Stand #: 2

Plot #: 4

Forest Cover Type: Oak/hickory

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre: 120		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT															
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total
	Crown Position	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	
1 White Oak								1				2					3
2 Red Maple						3											3
3 Chestnut Oak		5			8			2				1					16
4 Northern Red Oak		1			2												3
5 Mockernut Hickory			4														4
6																	0
7																	0
8																	0
9																	0
Total Number of Trees per Size Class		10			13			3			3			0			29
Number & Size of Standing Dead Trees					1												1
List of Woody Plant Species 3'-20':				Canopy Closure:				Percent of Invasive Cover per Plot (all layers):				Plot Successional Stage:					
Mockernut Hickory, American Holly, Pin Oak, White Oak, Sweet Gum				C	N	E	S	W	%	8%				Mature			
Y				Y	N	N	Y	60									
List of Understory Species 0'-3':				Understory Cover 3'-20':				List of Major Invasive Species per Plot (All Layers):									
American Holly, White Oak, Mockernut Hickory, Sweet Gum, Low-bush Blueberry, Stilt Grass, Willow Oak, Common Greenbrier, Black Cherry				C	N	E	S	W	%	Bush Honeysuckle, Japanese Barberry, Oriental Bittersweet, Common Privet, Japanese Stilt Grass							
N				N	Y	Y	N	40									
Rare, etc. Species?	Number of Trees 2-5.9" dbh			Herbaceous & Woody Cover 0'-3':				HABITAT: What species present?									
Specimen Trees?	No			C	N	E	S	W	%								
Historic Sites?	No			Y	Y	Y	Y	Y	100	Habitat size, location, configuration:							
Disease?	Yes							Patch, contiguous with off-site forest									
Insects/Infestation?	No			Downed Woody Debris:				Wildlife cover/food/water?									
Exotic Plants?	No			C	N	E	S	W	%	wildlife and cover							
Leaf litter?	Moderate			N	N	Y	Y	Y	60	Stand corridor/patch?							
Downed woody debris:	Moderate/heavy																
FUNCTION: Where is stand in relation to sensitive areas on site?																	
Comments:																	
Nice oak stand-understory fairly clear, bordered by old fence																	

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/LJ

Owner: BARC

Stand #: 2

Plot #: 5

Forest Cover Type: Oak/hickory

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre: 80		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT																
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total	
	Crown Position			Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other			
1	Tulip Poplar					3			2								5	
2	Red Maple					10			1								12	
3	Black Cherry					1			2								3	
4	Black Oak								1								1	
5	Black Gum					1			3			1					5	
6	Sweet Gum					3			3								6	
7	Mockernut Hickory					1											1	
8	Bitternut Hickory											1					1	
9																	0	
Total Number of Trees per Size Class		16			12			6			0			0				34
Number & Size of Standing Dead Trees																		0
List of Woody Plant Species 3'-20':				Canopy Closure:				Percent of Invasive Cover per Plot (all layers):				Plot Successional Stage:						
Red Maple, Black Gum, Black Oak, Black Cherry, Mockernut Hickory, White Oak, Poison Ivy, Cat greenbrier, Common greenbrier				C	N	E	S	W	%	7%				Mature				
Y				Y	Y	Y	Y	Y	100									
List of Understory Species 0'-3':				Understory Cover 3'-20':				List of Major Invasive Species per Plot (All Layers):										
Black Cherry, American Holly, Sweet Gum, Willow Oak, Cat Greenbrier, Blackberry, Pignut Hickory				C	N	E	S	W	%	Japanese Barberry, Common Privet, Japanese Honeysuckle								
Y				Y	Y	Y	Y	Y	100									
Rare, etc. Species?	No			Herbaceous & Woody Cover 0'-3':				HABITAT: What species present?										
Specimen Trees?	No			C	N	E	S	W	%	Gray Squirrel, White-tailed Deer, Eastern Bluebird, Northern f								
Historic Sites?	No			Y	Y	Y	Y	Y	100	Habitat size, location, configuration:								
Disease?	No							Patch, contiguous with off-site forest										
Insects/Infestation?	No			Downed Woody Debris:				Wildlife cover/food/water?										
Exotic Plants?	No			C	N	E	S	W	%	Cover and Food								
Leaf litter?	Moderate			N	Y	N	Y	Y	60	Stand corridor/patch?				Patch				
Downed woody debris:	Moderate																	
FUNCTION: Where is stand in relation to sensitive areas on site?																		
Comments:																		

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/LJ

Owner: BARC

Stand #: 3

Plot #: 1

Forest Cover Type: Red maple/black cherry

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre: 70		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT															
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total
	Crown Position	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	
1 Red Maple			3					1									4
2 White Oak					8												8
3 Black Cherry			1														1
4 Mockernut Hickory				4			2										6
5 Sweet Gum				1			1			1							3
6																	0
7																	0
8																	0
9																	0
Total Number of Trees per Size Class		9			11			2			0			0			22
Number & Size of Standing Dead Trees																	0
List of Woody Plant Species 3'-20':							Canopy Closure:					Percent of Invasive Cover per Plot (all layers):			Plot Successional Stage:		
White Oak							C	N	E	S	W	%	60%			Mid	
							Y	Y	N	Y	N	60					
List of Understory Species 0'-3':							Understory Cover 3'-20':					List of Major Invasive Species per Plot (All Layers):					
White Oak, Tartarian Honeysuckle, Japanese Honeysuckle, Common Privet, Blackberry, American Holly, White Avens, Poison Ivy, Japanese Orange							C	N	E	S	W	%	Multiflora rose, Tartarian Honeysuckle, Japanese Honeysuckle, Common Privet				
							Y	Y	Y	Y	Y	100					
Rare, etc. Species? No							Herbaceous & Woody Cover 0'-3':					HABITAT: What species present?					
Specimen Trees? No							C	N	E	S	W	%	American Robin, Downy Woodpecker, White Breasted Nuthatch				
Historic Sites? No							Y	Y	N	Y	Y	80	Habitat size, location, configuration:				
Disease? No							Downed Woody Debris:					Patch, contiguous with off-site forest					
Insects/Infestation? No												Wildlife cover/food/water?					
Exotic Plants? No							C	N	E	S	W	%	Cover and food				
Leaf litter? Moderate							Y	N	Y	Y	N	60	Stand corridor/patch? Patch				
Downed woody debris: Moderate																	
FUNCTION: Where is stand in relation to sensitive areas on site?																	
Comments:																	

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/LJ

Owner: BARC

Stand #: 3

Plot #: 2

Forest Cover Type: Mixed Oak

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre: 70		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT															
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total
	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other		
1 Mockernut Hickory			6			1											7
2 Black Cherry			9			2											11
3 Red Maple			2														2
Sweet Gum												1					1
5 Bitternut Hickory									1								1
6																	0
7																	0
8																	0
9																	0
Total Number of Trees per Size Class	17			3			1			1			0				22
Number & Size of Standing Dead Trees																	0
List of Woody Plant Species 3'-20': Mockernut Hickory, White Oak, Japanese orange							Canopy Closure: C N E S W % Y Y N Y Y 80					Percent of Invasive Cover per Plot (all layers): 60%			Plot Successional Stage: Mid		
List of Understory Species 0'-3': Patrdige Berry, Blackberry, Tartarian Honeysuckle, Japanese Honeysuckle, White Oak, Sweet Gum, Willow Oak, Japanese Barberry, Persimmon, Asiatic Dayflower,							Understory Cover 3'-20': C N E S W % Y Y Y N Y 80					List of Major Invasive Species per Plot (All Layers): Japanese Honeysuckle, Tartarian Honeysuckle, Japanese Stilt Grass Japanese Barberry, Multi flora rose					
Rare, etc. Species?	No						Herbaceous & Woody Cover 0'-3':					HABITAT: What species present?					
Specimen Trees?	No						C N E S W % Y Y Y Y Y 100					Habitat size, location, configuration: Patch, contiguous with off-site forest					
Historic Sites?	No						Downed Woody Debris:					Wildlife cover/food/water?					
Disease?	No						C N E S W % N Y N N N 20					Cover and food					
Insects/Infestation?	No											Stand corridor/patch? Patch					
Exotic Plants?	No																
Leaf litter?	Moderate																
Downed woody debris:	light																
FUNCTION: Where is stand in relation to sensitive areas on site?																	
Comments:																	

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/LJ

Owner: BARC

Stand #: 4

Plot #: 1

Forest Cover Type: Mixed Oak

Date: 10/01/2019

Plot Size: 1/10 Acre (37.5' radius)

Basal Area in Square Feet per Acre:		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT																
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total	
	Crown Position	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other		
1	White Oak													1				1
2	Mockernut Hickory			9			1											10
3	Black Cherry			1			1											2
4	Red Maple			5			5											10
5	Slippery Elm						1											1
6	Flowering Dogwood			1														1
7																		0
8																		0
9																		0
Total Number of Trees per Size Class		16			8			0			0			1				25
Number & Size of Standing Dead Trees		2																2
List of Woody Plant Species 3'-20':							Canopy Closure:					Percent of Invasive Cover per Plot (all layers):			Plot Successional Stage:			
White Oak, Mockernut Hickory, Red Maple, Cherry Black							C	N	E	S	W	%	60%			Mature		
							Y	Y	Y	Y	Y	100						
List of Understory Species 0'-3':							Understory Cover 3'-20':					List of Major Invasive Species per Plot (All Layers):						
Green Ash, Northern Arrowwood, Common Greenbrier, American Holly, White Oak							C	N	E	S	W	%	Tartarian Honeysuckle, Japanese Honeysuckle					
							N	N	Y	Y	Y	60						
Rare, etc. Species?	No						Herbaceous & Woody Cover 0'-3':					HABITAT: What species present?						
Specimen Trees?	Yes						C	N	E	S	W	%	Blue Jay, Red-bellied woodpecker					
Historic Sites?	No						Y	Y	Y	Y	Y	100	Habitat size, location, configuration:					
Disease?	No						Downed Woody Debris:					Patch, contiguous with off-site forest						
Insects/Infestation?	No																	
Exotic Plants?	Yes						C	N	E	S	W	%	Wildlife cover/food/water?					
Leaf litter?	Moderate						Y	N	N	N	N	20	Cover and food					
Downed woody debris:	light											Stand corridor/patch? Patch						
FUNCTION: Where is stand in relation to sensitive areas on site?																		
Comments:																		

FOREST STAND DELINEATION
Field Sampling Data Sheet

Property: BEP

Prepared By: DRC/LJ

Owner: BARC

Stand #: 4

Plot #: 2

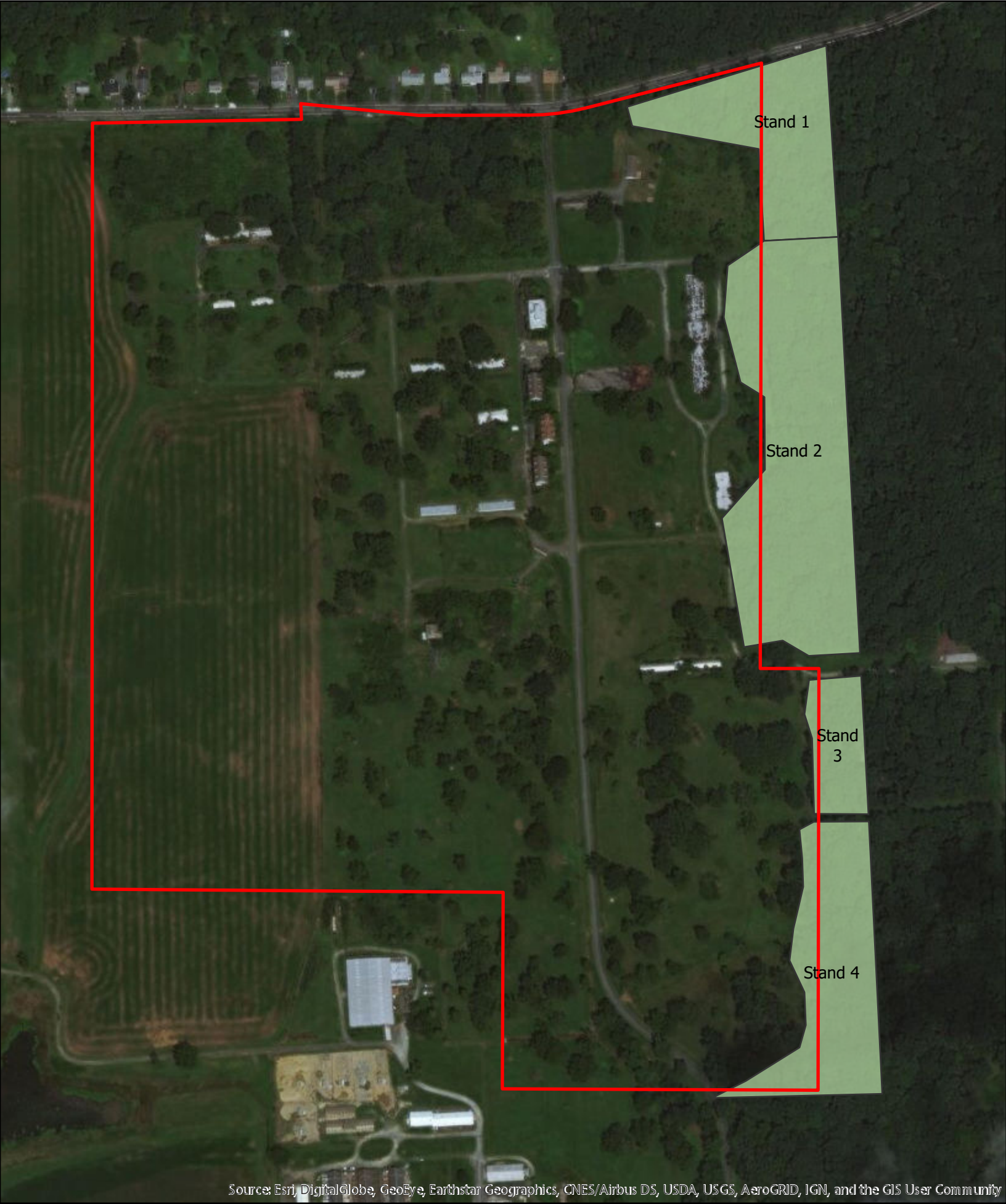
Forest Cover Type: Mixed Oak

Date: 10/01/2019



Plot Size: 1/10 Acre (37.5' radius)

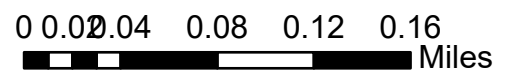
Basal Area in Square Feet per Acre: 60		SIZE CLASS OF TREES >20' HEIGHT WITHIN SAMPLE PLOT																
TREE SPECIES	Number of Trees 2-5.9" dbh			Number of Trees 6-11.9" dbh			Number of Trees 12-19.9" dbh			Number of Trees 20-29.9" dbh			Number of Trees >30" dbh			Average Tree Height (ft)	Total	
	Crown Position	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other	Dom	CoD	Other		
1	White Oak													3				3
2	Red Maple			10			2											12
3	Mockernut Hickory																	0
4	Black Cherry						2											2
5																		0
6																		0
7																		0
8																		0
9																		0
Total Number of Trees per Size Class		10			4			0			0			3				17
Number & Size of Standing Dead Trees																		0
List of Woody Plant Species 3'-20':							Canopy Closure:					Percent of Invasive Cover per Plot (all layers):			Plot Successional Stage:			
White Oak, Red Elm, Mockernut Hickory, Japanese Orange							C	N	E	S	W	%	30%			Mature		
							Y	Y	Y	Y	Y	100						
List of Understory Species 0'-3':							Understory Cover 3'-20':					List of Major Invasive Species per Plot (All Layers):						
White Oak, American Holly, Bush Honeysuckle, Green Ash, Mockernut Hickory, Willow Oak, Wild Yam, Common Greenbrier, persimmon							C	N	E	S	W	%	Tartarian Honeysuckle, Japanese Honeysuckle, Common Privet					
							Y	Y	N	Y	Y	80						
Rare, etc. Species?		No					Herbaceous & Woody Cover 0'-3':					HABITAT: What species present?						
Specimen Trees?		Yes					C	N	E	S	W	%	Habitat size, location, configuration: Patch, contiguous with off-site forest					
Historic Sites?		No					Y	Y	Y	N	Y	80						
Disease?		no																
Insects/Infestation?		No					Downed Woody Debris:											
Exotic Plants?		No					C	N	E	S	W	%	Wildlife cover/food/water?					
Leaf litter?		Medium					N	N	N	N	N	0	Cover and food					
Downed woody debris:		light										Stand corridor/patch?		Patch				
FUNCTION: Where is stand in relation to sensitive areas on site?																		
Comments:																		

APPENDIX B
Forest Stand Map



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

-  Proposed Site Boundary
-  Forest Stands



APPENDIX C

Specimen Tree List

BEP Specimen Trees

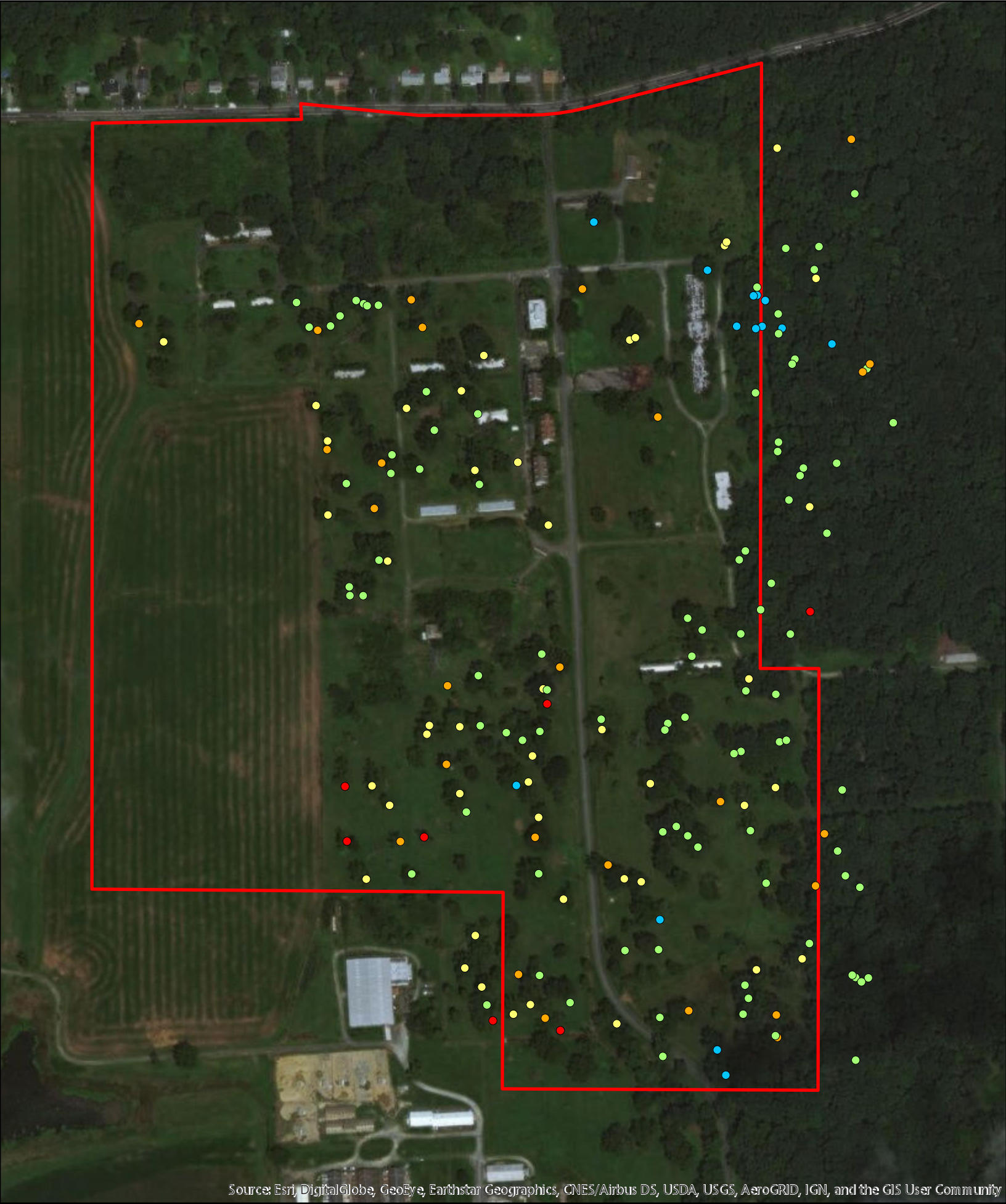
#	Scientific Name	Common Name	DBH	Condition
ST1	<i>Quercus alba</i>	White Oak	39.9	Very Good
ST2	<i>Quercus alba</i>	White Oak	32	Very Good
ST3	<i>Quercus alba</i>	White Oak	33	Good
ST4	<i>Quercus alba</i>	White Oak	34.5	Very Good
ST5	<i>Quercus alba</i>	White Oak	54	Good
ST6	<i>Quercus alba</i>	White Oak	35	Very Good
ST7	<i>Quercus alba</i>	White Oak	33	Good
ST8	<i>Quercus alba</i>	White Oak	36	Very Good
ST9	<i>Quercus alba</i>	White Oak	42	Very Good
ST10	<i>Liquidambar styraciflua</i>	Sweet Gum	34	Very Good
ST11	<i>Quercus alba</i>	White Oak	37	Very Good
ST12	<i>Liquidambar styraciflua</i>	Sweet Gum	34	Fair
ST13	<i>Acer rubrum</i>	Red Maple	36	Fair
ST14	<i>Quercus alba</i>	White Oak	40.5	Fair
ST15	<i>Quercus alba</i>	White Oak	32	Good
ST16	<i>Quercus alba</i>	White Oak	35	Good
ST17	<i>Quercus alba</i>	White Oak	43	Good
ST18	<i>Quercus alba</i>	White Oak	55	Fair
ST19	<i>Quercus alba</i>	White Oak	53	Fair
ST20	<i>Quercus palustris</i>	Pin Oak	37	Poor
ST21	<i>Quercus phellos</i>	Willow Oak	58	Fair
ST22	<i>Quercus phellos</i>	Willow Oak	35.75	Fair
ST23	<i>Quercus phellos</i>	Willow Oak	52	Poor
ST24	<i>Quercus alba</i>	White Oak	53	Very Good
ST25	<i>Quercus alba</i>	White Oak	48	Poor
ST26	<i>Quercus alba</i>	White Oak	45	Poor
ST27	<i>Quercus alba</i>	White Oak	34	Good
ST28	<i>Quercus alba</i>	White Oak	37	Good
ST29	<i>Quercus alba</i>	White Oak	33	Good
ST30	<i>Quercus alba</i>	White Oak	37	Good
ST31	<i>Quercus alba</i>	White Oak	46	Good
ST32	<i>Quercus alba</i>	White Oak	33.5	Good
ST33	<i>Quercus alba</i>	White Oak	37	Poor
ST34	<i>Quercus alba</i>	White Oak	33	Good
ST35	<i>Quercus alba</i>	White Oak	36	Good
ST36	<i>Liquidambar styraciflua</i>	Sweet Gum	33	Fair
ST37	<i>Quercus alba</i>	White Oak	48	Fair
ST38	<i>Liquidambar styraciflua</i>	Sweet Gum	34	Poor
ST39	<i>Quercus alba</i>	White Oak	40	Fair
ST40	<i>Quercus alba</i>	White Oak	45	Good
ST41	<i>Quercus alba</i>	White Oak	43	Fair
ST42	<i>Quercus alba</i>	White Oak	45	Poor
ST43	<i>Quercus alba</i>	White Oak	51	Good
ST44	<i>Quercus alba</i>	White Oak	41	Good
ST45	<i>Quercus alba</i>	White Oak	33	Good

ST46	<i>Quercus alba</i>	White Oak	48	Fair
ST47	<i>Quercus alba</i>	White Oak	46	Fair
ST48	<i>Quercus alba</i>	White Oak	44	Good
ST49	<i>Quercus alba</i>	White Oak	38.5	Good
ST50	<i>Quercus alba</i>	White Oak	51	Poor
ST51	<i>Quercus alba</i>	White Oak	40	Good
ST52	<i>Quercus alba</i>	White Oak	37.5	Good
ST53	<i>Liquidambar styraciflua</i>	Sweet Gum	30.5	Fair
ST54	<i>Quercus alba</i>	White Oak	37	Poor
ST55	<i>Quercus alba</i>	White Oak	37	Good
ST56	<i>Quercus alba</i>	White Oak	39	Fair
ST57	<i>Quercus alba</i>	White Oak	40	Good
ST58	<i>Quercus alba</i>	White Oak	34	Good
ST59	<i>Quercus alba</i>	White Oak	37.5	Good
ST60	<i>Liquidambar styraciflua</i>	Sweet Gum	30	Poor
ST61	<i>Liquidambar styraciflua</i>	Sweet Gum	33	Good
ST62	<i>Quercus stellata</i>	Post Oak	35	Good
ST63	<i>Quercus alba</i>	White Oak	33.5	Poor
ST64	<i>Quercus stellata</i>	Post Oak	31	Fair
ST65	<i>Quercus alba</i>	White Oak	35	Good
ST66	<i>Acer rubrum</i>	Red Maple	40.5	Very Poor
ST67	<i>Quercus alba</i>	White Oak	38	Good
ST68	<i>Liquidambar styraciflua</i>	Sweet Gum	38	Good
ST69	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Fair
ST70	<i>Liquidambar styraciflua</i>	Sweet Gum	30.5	Good
ST71	<i>Liquidambar styraciflua</i>	Sweet Gum	33	Good
ST72	<i>Liquidambar styraciflua</i>	Sweet Gum	34	Good
ST73	<i>Liquidambar styraciflua</i>	Sweet Gum	33	Fair
ST74	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Fair
ST75	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Fair
ST76	<i>Liquidambar styraciflua</i>	Sweet Gum	35	Very Poor
ST77	<i>Liquidambar styraciflua</i>	Sweet Gum	36	Very Poor
ST78	<i>Liquidambar styraciflua</i>	Sweet Gum	44	Fair
ST79	<i>Liquidambar styraciflua</i>	Sweet Gum	37	Good
ST80	<i>Liquidambar styraciflua</i>	Sweet Gum	36	Poor
ST81	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Very Poor
ST82	<i>Liquidambar styraciflua</i>	Sweet Gum	30.5	Fair
ST83	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Fair
ST84	<i>Nyssa sylvatica</i>	Black Gum	30	Poor
ST85	<i>Liquidambar styraciflua</i>	Sweet Gum	34	Fair
ST86	<i>Liquidambar styraciflua</i>	Sweet Gum	30	Good
ST87	<i>Liquidambar styraciflua</i>	Sweet Gum	46	Very Good
ST88	<i>Liquidambar styraciflua</i>	Sweet Gum	30	Fair
ST89	<i>Liquidambar styraciflua</i>	Sweet Gum	32	Fair
ST90	<i>Nyssa sylvatica</i>	Black Gum	33.5	Poor
ST91	<i>Quercus palustris</i>	Pin Oak	60	Good
ST92	<i>Quercus alba</i>	White Oak	45	Fair

ST93	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Fair
ST94	<i>Liquidambar styraciflua</i>	Sweet Gum	35	Fair
ST95	<i>Liquidambar styraciflua</i>	Sweet Gum	34	Fair
ST96	<i>Liquidambar styraciflua</i>	Sweet Gum	30	Good
ST97	<i>Liquidambar styraciflua</i>	Sweet Gum	33	Very Poor
ST98	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Fair
ST99	<i>Liquidambar styraciflua</i>	Sweet Gum	34	Fair
ST100	<i>Quercus palustris</i>	Pin Oak	42	Good
ST101	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Poor
ST102	<i>Liquidambar styraciflua</i>	Sweet Gum	35	Poor
ST103	<i>Liquidambar styraciflua</i>	Sweet Gum	32	Very Poor
ST104	<i>Quercus bicolor</i>	Swamp White Oak	35	Good
ST105	<i>Acer rubrum</i>	Red Maple	33	Fair
ST106	<i>Quercus alba</i>	White Oak	35	Good
ST107	<i>Quercus phellos</i>	Willow Oak	37	Very Good
ST108	<i>Quercus alba</i>	White Oak	37	Very Good
ST109	<i>Quercus alba</i>	White Oak	36	Poor
ST110	<i>Quercus alba</i>	White Oak	35	Good
ST111	<i>Quercus alba</i>	White Oak	34	Poor
ST112	<i>Quercus alba</i>	White Oak	34	Good
ST113	<i>Quercus alba</i>	White Oak	35	Good
ST114	<i>Quercus alba</i>	White Oak	33	Good
ST115	<i>Quercus alba</i>	White Oak	42	Poor
ST116	<i>Liquidambar styraciflua</i>	Sweet Gum	30	Good
ST117	<i>Carya glabra</i>	Pignut Hickory	30	Good
ST118	<i>Quercus phellos</i>	Willow Oak	49	Very Good
ST119	<i>Carya glabra</i>	Shagbark Hickory	33	Good
ST120	<i>Quercus alba</i>	White Oak	33	Poor
ST121	<i>Quercus alba</i>	White Oak	39	Fair
ST122	<i>Quercus alba</i>	White Oak	36	Good
ST123	<i>Acer rubrum</i>	Red Maple	35	Good
ST124	<i>Liquidambar styraciflua</i>	Sweet Gum	37	Fair
ST125	<i>Quercus stellata</i>	Post Oak	35	Fair
ST126	<i>Quercus palustris</i>	Pin Oak	38	Poor
ST127	<i>Quercus alba</i>	White Oak	36	Good
ST128	<i>Quercus alba</i>	White Oak	42	Good
ST129	<i>Quercus alba</i>	White Oak	33	Good
ST130	<i>Quercus alba</i>	White Oak	33	Good
ST131	<i>Quercus alba</i>	White Oak	33	Good
ST132	<i>Quercus alba</i>	White Oak	35	Fair
ST133	<i>Quercus alba</i>	White Oak	41	Good
ST134	<i>Liquidambar styraciflua</i>	Sweet Gum	33	Good
ST135	<i>Quercus alba</i>	White Oak	40	Good
ST136	<i>Quercus alba</i>	White Oak	45	Fair
ST137	<i>Quercus alba</i>	White Oak	46	Good
ST138	<i>Quercus alba</i>	White Oak	43	Good
ST139	<i>Liquidambar styraciflua</i>	Sweet Gum	31	Good

ST140	<i>Liquidambar styraciflua</i>	Sweet Gum	32	Fair
ST141	<i>Quercus alba</i>	White Oak	41	Poor
ST142	<i>Quercus alba</i>	White Oak	33	Fair
ST143	<i>Quercus alba</i>	White Oak	35	Good
ST144	<i>Quercus alba</i>	White Oak	33	Good
ST145	<i>Quercus palustris</i>	Pin Oak	38	Good
ST146	<i>Quercus alba</i>	White Oak	38.5	Good
ST147	<i>Liquidambar styraciflua</i>	Sweet Gum	45	Fair
ST148	<i>Quercus alba</i>	White Oak	36	Good
ST149	<i>Quercus alba</i>	White Oak	44	Good
ST150	<i>Quercus alba</i>	White Oak	53	Good
ST151	<i>Quercus alba</i>	White Oak	34	Good
ST152	<i>Quercus alba</i>	White Oak	46	Good
ST153	<i>Quercus alba</i>	White Oak	45	Good
ST154	<i>Quercus alba</i>	White Oak	48	Good
ST155	<i>Quercus alba</i>	White Oak	46	Good
ST156	<i>Quercus alba</i>	White Oak	38	Poor
ST157	<i>Quercus palustris</i>	Pin Oak	52	Fair
ST158	<i>Quercus alba</i>	White Oak	39	Good
ST159	<i>Acer rubrum</i>	Red Maple	36	Good
ST160	<i>Quercus alba</i>	White Oak	35	Very Good
ST161	<i>Quercus stellata</i>	Post Oak	31	Good
ST162	<i>Quercus velutina</i>	Black Oak	31	Poor
ST163	<i>Quercus prinus</i>	Chestnut Oak	36	Poor
ST164	<i>Quercus alba</i>	White Oak	58	Good
ST165	<i>Acer rubrum</i>	Red Maple	50	Good
ST166	<i>Quercus alba</i>	White Oak	36	Good
ST167	<i>Quercus alba</i>	White Oak	33	Good
ST168	<i>Quercus alba</i>	White Oak	31	Good
ST169	<i>Liquidambar styraciflua</i>	Sweet Gum	32	Good
ST170	<i>Quercus alba</i>	White Oak	30	Good
ST171	<i>Quercus alba</i>	White Oak	36	Good
ST172	<i>Quercus cocinea</i>	Scarlett Oak	41	Fair
ST173	<i>Quercus alba</i>	White Oak	31	Good
ST174	<i>Quercus alba</i>	White Oak	47	Very Poor
ST175	<i>Quercus alba</i>	White Oak	40	Good
ST176	<i>Quercus alba</i>	White Oak	31	Good
ST177	<i>Quercus alba</i>	White Oak	34	Poor
ST178	<i>Quercus alba</i>	White Oak	34	Good
ST179	<i>Quercus alba</i>	White Oak	32	Good
ST180	<i>Quercus alba</i>	White Oak	33	Poor
ST181	<i>Quercus alba</i>	White Oak	31	Good
ST182	<i>Quercus alba</i>	White Oak	31	Good
ST183	<i>Quercus alba</i>	White Oak	32	Good
ST184	<i>Quercus alba</i>	White Oak	36	Good
ST185	<i>Quercus alba</i>	White Oak	33	Good
ST186	<i>Quercus alba</i>	White Oak	33	Good

ST187	<i>Liriodendron tulipifera</i>	Tulip poplar	38	Poor
ST188	<i>Liquidambar styraciflua</i>	Sweet Gum	30	Fair



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

- Proposed Site Boundary
- Fair
- Good
- Poor
- Very Good
- Very Poor

