Year 1 Monitoring Report

FINAL

CHAPPELS CREEK MITIGATION PROJECT

NCDMS Project #100179 (Contract #0402-06)
DWR Project #2021-0755v2 | RFP #16-20200402

Person County, North Carolina
Neuse River Basin
HUC 03020201

Provided by:

Resource Environmental Solutions, LLC
for Environmental Banc & Exchange, LLC (EBX)

Provided for:
NC Department of Environmental Quality
Division of Mitigation Services

January 2024

3600 Glenwood Avenue, Suite 100
Raleigh, NC 27612

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January 23, 2024

Emily Dunnigan
NC DEQ Division of Mitigation Services
217 West Jones Street
Raleigh, NC 27604

RE: Chappels Creek, Project ID #100179, DMS Contract #0402-06

Listed below are comments provided by DMS on January, 17th 2024 regarding the Chappels Creek Site: Year 1 Monitoring Report and RES' responses.

Comments:

1. Title Page: Please add the DWR Project #2021-0755v2
This has been added.

2. Section 4.4: Please add more detail about the encroachments (total acreage, cause, landowner outreach, etc.)
The following statement has been added to Section 4.4 "In 2023 11 encroachment areas were noted totaling .48 acres, in these areas the types of encroachment included corn being planted, mowing, and signs of driving within the easement. In response to these encroachment areas RES removed the corn inside the easement in August 2023, added additional signage and horse tape in September and November 2023, and supplementally planted in December of 2023. All of the encroachment areas have been addressed as of December 2023."

3. Section 4.4: Review of the photos and Figure 4A indicate the area surrounding veg plot 19 was supplementally planted. Please include details for this supplemental planting (why it was needed, survey data to support need, etc.).
The following statement has been added to Section 4.4 "Included within the supplemental planting was the area surrounding VP 19 which needed supplemental planting due to extensive box elder treatment within the vicinity. Due to the nuisance species outcompeting the planted stems as well as treatments towards the box elder causing higher mortality to the initial planting supplemental planting took place in the area."

4. Section 4.4: Please include more detail of the supplemental planting (number of stems by species, total stems, etc.).

The following sentence was added to Section 4.4 "A total of 800 stems were planted, which included 100 river birch, 100 willow oak, 125 northern red oak, 125 white oak, 150 Overcup oak, 100 tulip poplar, and 100 green ash."

5. Section 4.4: Over half the site has invasives, please include more detail about the current community structure. Are the invasives dominating or are they sporadic throughout? Is future supplemental planting anticipated once invasives are reduced?
The following statement has been added to Section 4.4 "Out of the total invasives treated area (27.87 acres), 10.01 acres is preservation, 15.91 acres is restoration 1.38 acres is enhancement, and .57 acres is non-crediting. Out of these areas the heaviest invasives treatments were within the 10.01 acres of preservation and 1.33 acres of enhancement. Supplemental planting within the preservation areas is not necessary and the 1.33 acres of enhancement area was already supplementally planted in December of 2023. The rest of the 16.53 acres of invasives treatments were spot treatments on sporadic invasives throughout. Invasives are not dominant in the 16.53 acres and supplemental planting is not anticipated in those areas."

6. Appendix A, Figure 4A and 4B: Please label the streams/ponds.
Streams and ponds are now labeled.

7. Appendix A, Figure 4A and 4B: Please include all encroachments on these figures and submit a shapefile of the encroachments in the digital submittal.
Encroachment areas have been shown on the maintenance map and the shapefile has been included in the digital submission.

8. Appendix B: It's not necessary to include the as-built survey in this report.
Figure 3 has been removed.

9. Appendix B, Vegetation Plot Mitigation Success Summary Table: Please revise date of current survey
The date of the survey has been updated.

10. Appendix B, Visual Vegetation Assessment Table: Please update with the encroachment areas.
Visual Vegetation Assessment Table has been updated with encroachment areas.

11. Appendix C: Vegetation Plot 19 photo is from a previous survey and date is incorrect; please update the appendix and digital submission.
The monitoring team failed to take a photo of VP 19 during MY1, therefore the photo is from MY0. There is a photo included of the supplemental planting around VP 19 included in the maintenance photos. The monitoring team will make sure to get an updated photo in 2024.

12. Please include the credit table in the digital submission.
Table 1 is included in the digital submission in folder 1. Tables.

Table of Contents

1 Mitigation Project Summary

1.1 Project Location and Description

Environmental Banc & Exchange, LLC (EBX), a wholly-owned subsidiary of Resource Environmental Solutions (RES), is pleased to provide the Chappels Creek Mitigation Project (Project), a full-delivery buffer mitigation Project for the Division of Mitigation Services (DMS) (DMS Project #100179). The Chappels Creek Project is within the Neuse River Basin, United States Geological Survey (USGS) 8-digit HUC 03020201, within the Upper Falls Lake Watershed, 14-digit HUC 03020201010010, and DWR Sub-basin Number 03-04-01. The Project easement is located in Person County in the Flat River Township of North Carolina and can be accessed by US-501, off of Antioch Church Road, just south of Roxboro, NC (**Figure 1**). The Project coordinates are 36.322000, -78.945000.

This buffer Project provides riparian buffer mitigation credits for unavoidable impacts due to development within the Neuse River Basin, United States Geological Survey (USGS) 8-digit Cataloguing Unit 03020201 (Neuse 01), specifically the Upper Falls Lake Watershed (**Figure 1**). This Buffer Mitigation Plan is in accordance with the Consolidated Buffer Mitigation Rule 15A NCAC 02B .0295 and Nutrient Offset Credit Trading Rule 15A NCAC 02B .0703. The Chappels Creek Project consists of a 49.26-acre conservation easement, accompanied by a 0.75-acre access easement, which altogether are broken into seven sections. The Project includes a portion of the riparian area of Chappels Creek along with five of its unnamed stream tributaries. Chappels Creek is a USGS-named stream that drains to the North Flat River feeding into Falls Lake before entering the Neuse River. Pre-existing land use within the Project area was row crop production, fallow pasture, and disturbed riparian forest. Water quality stressors that have affected the Project prior to restoration included heavy manipulation and relocation of stream channels, nutrient loadings from active crop production, a loss of stabilizing vegetation due to clearing as a result of continued crop production, a lack of forested riparian buffers, and the presence of invasive species.

The Chappels Creek Project is composed of two perennial streams: Chappels Creek and JM1; four intermittent stream channels: JM2, EN1, EN2, and TH1; and two impoundments: Pond A and Pond B (**Figure 2**). Most of the streams have been straightened and manipulated for agricultural purposes, leaving much of the forested riparian buffer either cleared or disturbed. The fifty-foot riparian buffers of all but one stream channel and one pond were determined to be subject to the Neuse buffer protection rules ("Subject"); whereas EN2 and Pond B were determined to not be subject to the Neuse buffer protection rules ("Non-Subject").

The goal of the Project is to restore, enhance, and preserve ecological function to the existing streams, ponds, and their associated riparian buffer areas by establishing appropriate plant communities while minimizing temporal and land disturbing impacts. This is being accomplished through the planting, establishment, and protection of a native hardwood forest community. The result will be a riparian area that functions to mitigate nutrient and sediment inputs from the surrounding uplands. Buffer and surrounding riparian area improvements will filter runoff from agricultural fields, thereby reducing nutrient and sediment loads to Project channels and provide water quality benefit to the overall watershed. The Project will provide significant functional uplift to the watershed and will assist DMS with achieving its mitigation goals in the Neuse 01 Upper Falls Lake Watershed.

2 Regulatory Considerations

2.1 Determination of Credits

The Project has the potential to total up to 1,721,660.000 ft^2 (39.52 acres) of riparian buffer mitigation area, generating 1,009,110.686 riparian buffer mitigation credits, within a 49.26-acre conservation easement (not including a 0.75-acre access easement). These credits will be derived from buffer restoration (both subject and non-subject), buffer enhancement, and buffer preservation (both subject and non-subject). The riparian buffer mitigation credits generated will service the Neuse 01 watershed, specifically the Upper Falls Lake Watershed. The total potential buffer mitigation credits that the Chappels Creek Mitigation Project will generate are detailed in **Table 1, Appendix A.** Where viable, buffer mitigation credits can be converted to nutrient offset credit in accordance with the Nutrient Offset Credit Trading Rule, 15A NCAC 02B .0703. In accordance with 15A NCAC 02B .0295 (o)(4) and (5), "the area of preservation credit within a buffer mitigation site shall comprise of no more than 25% of the total area of buffer mitigation".

2.2 Asset Map

See **Figure 3, Appendix A**.

3 Baseline

3.1 Planting

The initial planting of bare root trees occurred on April 17-18, 2023. Site preparations included the mowing and spraying of row crops within the easement area prior to planting and seeding. Additionally, portions of the site, primarily within the parcels that were previously in row crop production, were ripped to encourage tree growth. No soil amendments were deemed necessary. All riparian restoration areas are planted from top of bank back at least 50 feet from streams with bare root tree seedlings on a nine by six-foot spacing to achieve an initial density of approximately 833 trees per acre (**Appendix B**). In addition, these areas were seeded with an herbaceous seed mix to provide rapid herbaceous cover and promote immediate buffer effectiveness as well as habitat for pollinators and other wildlife. The seed blend contains both temporary and permanent seed and includes taproot species. The seed was sown by way of broadcast seeding. Riparian enhancement areas are planted in two small patches along EN1 and Chappels Creek where non-native and nuisance species were heavily treated and will continue to be treated throughout the life of the Project. Species like box elder (*Acer negundo*) and sweet gum (*Liquidambar styraciflua)* were selectively removed throughout these enhancement areas, leaving larger trees to remain, but will be treated, as needed, to allow for establishment and growth of the planted bare root trees. Planting occurred in all areas proposed for riparian buffer restoration and enhancement and meets the performance standards outlined in Rule 15A NCAC 02B .0295. This includes treating invasive species and planting at least four species of native hardwood bare root trees. A Dry-Mesic Oak-Hickory Forest (Schafale 2012) is the target community type and was referenced for all planting areas within the Project. This community composition is highly diverse and is suitable given the Project's soil and landscape characteristics and will provide water quality and ecological benefits. The lists of planted bare root tree and seed mix species and their percentages of total species composition can be found in **Appendix B**. Wherever possible, mature vegetation has been preserved and incorporated into the buffer.

3.2 Other Activities

Other activities involved beaver dam removals in three different locations along Chappels Creek and JM1, in March 2023. All dam removal efforts were intended to target beaver dams built after Project establishment, avoiding any existing dams established prior to preliminary site evaluations. However, in attempts to remove a small beaver dam downstream of Pond A, which is made up of a series of in-line beaver impoundments, Pond A itself was also breached in order to locate and remove the beavers impounding the downstream, newly established dam. Due to the historic presence and size of Pond A any future dam built along Pond A will not be removed a second time, maintaining the pond footprint which represents the top of bank that flows into JM1. Downstream along Chappels Creek, south of the southernmost easement break, one dam was excavated out, restoring continuous water passage, and there have been no signs of dam re-establishment since. All removed beaver dam locations are shown in **Figure 2**.

4 Annual Monitoring

4.1 Methods

Annual vegetation monitoring and visual assessments will be conducted. Monitoring plots were installed a minimum of 100 meters squared in size and cover at least two percent of the planted mitigation area. These plots were randomly placed throughout the planted riparian buffer mitigation area (30.60 acres) and are representative of the riparian restoration and enhancement conditions. The following data is recorded for all trees in the plots: species, height, planting date (or volunteer), and grid location. All stems in plots are flagged with flagging tape. Data is processed using the "Vegetation Table Shiny Tool" made available by DMS in December 2021 and is reported in accordance with the most recent DMS requirements and templates. In the field, the four corners of each plot were permanently marked with PVC at the origin and metal conduit at the other corners. There are 25 fixed vegetation monitoring plots (**Figure 2**).

Photos are to be taken at all vegetation plot origins each monitoring year and be provided in the annual reports (**Appendix C**). Visual inspections and photos will be taken to ensure that areas are being maintained and compliant. The measures of vegetative success for the Project are the survival of at least four native hardwood tree species, where no one species is greater than 50 percent of stems, at a density of at least 260 stems per acre at the end of Year 5. Native volunteer species may be included to meet the performance standards as determined by NC Division of Water Resources (DWR).

A visual assessment of the conservation easement is also performed each year to confirm:

- Easement boundary markers/signage are in good condition throughout the site;
- No encroachment has occurred;
- No invasive species in areas where invasive species were treated;
- Diffuse flow is being maintained in the conservation easement areas;
- No new beaver dams have been established that would negatively affect the functionality of the buffer; and
- There has not been any cutting, clearing, filling, grading, or similar activities that would negatively affect the functionality of the buffer.

Component/ Feature	Monitoring	Maintenance through Project close-out
Vegetation	Annual vegetation monitoring	Vegetation shall be maintained to ensure the health and vigor of the targeted plant community. Routine vegetation maintenance and repair activities may include supplemental planting, pruning, mulching, and fertilizing. Exotic invasive and nuisance plant species shall be treated by mechanical and/or chemical methods. Any vegetation requiring herbicide application will be performed in accordance with NC Department of Agriculture (NCDA) rules and regulations. Vegetation maintenance activities will be documented and reported in annual monitoring reports. Vegetation maintenance will continue through the monitoring period.
Invasive and Nuisance Vegetation	Visual Assessment	Invasive and nuisance species will be monitored and treated so that none become dominant or alter the desired community structure of the Project. Locations of invasive and nuisance vegetation will be mapped.
Project Boundary	Visual Assessment	Project boundaries shall be identified in the field to ensure clear distinction between the mitigation Project and adjacent properties. Boundaries are marked with signs identifying the property as a mitigation Project and will include the name of the long-term steward and a contact number. Boundaries may be identified by fence, marker, bollard, post, tree-blazing, or other means as allowed by Project conditions and/or conservation easement. Boundary markers disturbed, damaged, or destroyed will be repaired and/or replaced on an as-needed basis. Easement monitoring and staking/signage maintenance will continue in perpetuity as a stewardship activity.
Beaver	Visual Assessment	Routine site visits and monitoring will be used to determine if beaver management is needed. If beaver activity poses a threat to Project stability or vegetative success, EBX will remove impoundments and supplementally plant as needed. All beaver management activities will be documented and included in annual monitoring reports. Beaver monitoring and management will continue through the monitoring period.

4.2 Tables

See **Appendix B**.

4.3 Results and Discussion

Year one monitoring of 25 fixed vegetation plots was completed on December 20th and 21st, 2023. Vegetation tables are in **Appendix B** and associated photos are in **Appendix C**. MY1 monitoring data indicates that all plots are exceeding the performance criteria of 260 planted stems per acre. Planted stem densities ranged from 486 to 1,012 planted stems per acre with a mean of 711 planted stems per acre across all plots. A total of 10 species were documented within the plots. Volunteer species were not noted at year one monitoring but are expected to be established in upcoming years. The average tree height observed was 1.69 feet (**Table 2**). Plot 22 had one river birch die in the past year which caused the 11 sycamores in the plot to be 52% of the plot. Since it is early within the monitoring years and the plot is still above 260 stems per acre with other trees besides sycamore, RES is not concerned about plot diversity.

Visual assessment of vegetation outside of the monitoring plots indicates that the herbaceous vegetation is becoming well established throughout the Project. Invasives treatment took place throughout, monitoring, and additional treatment will continue throughout the life of the Project to ensure that the invasive and nuisance species are not compromising the growth and overall health of the native, planted trees. Easement boundary markers and signs are clearly visible and in good condition. Additionally, there has been no undocumented concentrated flow in the easement area.

4.4 Maintenance and Management

Supplemental planting of 2.26 acres of encroachment areas and invasives area was completed on December 18th, 2023. A total of 800 stems were planted, which included 100 river birch, 100 willow oak, 125 northern red oak, 125 white oak, 150 Overcup oak, 100 tulip poplar, and 100 green ash. Included within the supplemental planting was the area surrounding VP 19 which needed supplemental planting due to extensive box elder treatment within the vicinity. Due to the nuisance species outcompeting the planted stems as well as treatments towards the box elder causing higher mortality to the initial planting supplemental planting took place in the area. Additional easement signage and horse tape was added to easement boundaries through out the project to prevent future encroachment on November 14th, 2023. Old barbed wire fencing found within the easement was removed on November 14th, 2023. A debris pile found within the easement was removed on November 14th, 2023. Photos of these maintenance areas can be found in **Appendix C** and the locations can be found in **Figure 2**.

Invasive species observed on site include tree-of-heaven (*Ailanthus altissima),* Chinese privet (*Ligustrum sinense)*, Callery pear (*Pyrus calleryana),* and multiflora rose (*Rosa multiflora).* Other nuisance species including box elder and sweet gum were also observed throughout the Project, but largely within the middle of the site. Treatment for these species was completed in March, April, and September 2023, and mainly involved hack-and-squirt and basal bark treatment methods; some larger trees were removed via chainsaw to limit light competition for the newly planted bare root trees. In total 27.87 acres were treated for invasives. Out of the total invasives treated area (27.87 acres), 10.01 acres is preservation, 15.91 acres is restoration 1.38 acres is enhancement, and .57 acres is non-crediting. Out of these areas the heaviest invasives treatments were within the 10.01 acres of preservation and 1.33 acres of enhancement. Supplemental planting within the preservation areas is not necessary and the 1.33 acres of enhancement area was already supplementally planted in December of 2023. The rest of the 16.53 acres of invasives treatments were spot treatments on sporadic invasives throughout. Invasives are not dominant in the 16.53 acres and supplemental planting is not anticipated in those areas.

Invasive and nuisance species will be monitored and treated so that none become dominant or alter the desired community structure of the Project. The presence of box elder and sweet gum will be monitored and treated as necessary within planted areas (specifically the buffer enhancement areas). Beaver activity will also be monitored and addressed as needed throughout the life of the Project.

In 2023 11 encroachment areas were noted totaling .48 acres, in these areas the types of encroachment included corn being planted, mowing, and signs of driving within the easement. In response to these encroachment areas RES removed the corn inside the easement in August 2023, added additional signage and horse tape in September and November 2023, and supplementally planted in December of 2023. All of the encroachment areas have been addressed as of December 2023. The Project boundary will continue to be monitored for encroachment and conservation easement markings will be replaced if damaged.

5 References

NC Environmental Management Commission. 2014. Rule 15A NCAC 02B.0295 - Mitigation Program Requirements for the Protection and Maintenance of Riparian Buffers.

NC Environmental Management Commission. 2020. Rule 15A NCAC 02B.0714 – Neuse River Basin: Nutrient Sensitive Waters Management Strategy: Protection and Maintenance of Existing Riparian Buffers.

NC Department of Environmental Quality, Division of Mitigation Services. 2021. Vegetation Table Shiny Tool. https://ncdms.shinyapps.io/Veg_Table_Tool/.

Resource Environmental Solutions, LLC (2022). Chappels Creek Mitigation Project. Final Mitigation Plan.

Schafale, M.P. 2012. Classification of the Natural Communities of North Carolina, Fourth Approximation. North Carolina Natural Heritage Program, Division of Parks and Recreation, NCDENR, Raleigh, NC.

Appendix A

Background Tables & Site Maps

Table 1. Chappels Creek, DMS # 100179, Project Credits

Neuse 03020201 - Upper Falls Lake	Project Area
19.16394	N Credit Conversion Ratio (ft^2/pound)
297.54099	P Credit Conversion Ratio (ft^2/pound)

Credit Type	Location	Subject? (enter NO if ephemeral or ditch [1])	Feature Type	Mitigation Activity	Min-Max Buffer Width (ft)	Feature Name	Total Area (ft^2)	Total (Creditable) Area of Buffer Mitigation (ft^2)	Initial Credit Ratio (x:1)	% Full Credit	Final Credit Ratio (x:1)	Convertible to Riparian Buffer?	Riparian Buffer Credits	Convertible to Nutrient Offset?	Delivered Nutrient Offset: N (lbs)	Delivered Nutrient Offset: P (lbs)
Buffer	Rural	Yes	I / P	Restoration	0-100	JM1 (including Pond A), JM2, EN1, Chappels Creek, TH1	689,035	689,035	1	100%	1.00000	Yes	689,035.000	Yes	35,954.767	2,315.765
Buffer	Rural	Yes	I / P	Restoration	101-200	JM1 (including Pond A), JM2, EN1, Chappels Creek, TH1	348,500	348,500	1	33%	3.03030	Yes	115,005.115	Yes	18,185.196	1,171.267
Buffer	Rural	No	I / P	Restoration	0-100	EN2	59,969	59,969	1	100%	1.00000	Yes	59,969.000	Yes	3,129.263	201.549
Buffer	Rural	No	I / P	Restoration	101-200	EN2	60,404	60,404	1	33%	3.03030	Yes	19,933.340	Yes	3,151.961	203.011
Buffer	Rural	No	In-Line Pond	Restoration	0-100	Pond B	37,624	37,624	1	100%	1.00000	Yes	37,624.000	No	—	—
Buffer	Rural	No	In-Line Pond	Restoration	101-200	Pond B	34,897	34,897	1	33%	3.03030	Yes	11,516.022	No	—	—
Buffer	Rural	Yes	I / P	Enhancement	0-100	EN1, Chappels Creek	58,222	58,222	2	100%	2.00000	Yes	29,111.000	Yes	1,519.051	97.839
Buffer	Rural	Yes	I / P	Enhancement	101-200	Chappels Creek	2,594	2,594	2	33%	6.06061	Yes	428.010	Yes	67.679	4.359
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						Totals (ft2):	1,291,245	1,291,245					962,621.486		62,007.917	3,993.790
						Total Buffer (ft2):	1,291,245	1,291,245								
						Total Nutrient Offset (ft2):	0	N/A								

Total Ephemeral Area (ft^2) for Credit:	0	0	
Total Eligible Ephemeral Area (ft^2):	430,415	0.0%	Ephemeral Reaches as % TABM
Total Eligible for Preservation (ft^2):	430,415	25.0%	Preservation as % TABM

Enter Preservation Credits Below

Credit Type	Location	Subject?	Feature Type	Mitigation Activity	Min-Max Buffer Width (ft)	Feature Name	Total Area (sf)	Total (Creditable) Area for Buffer Mitigation (ft^2)	Initial Credit Ratio (x:1)	% Full Credit	Final Credit Ratio (x:1)	Riparian Buffer Credits
	Rural	Yes	I / P		0-100	JM1 (including Pond A), EN1, Chappels Creek, TH1	397,842	395,938	10	100%	10.00000	39,593.800
	Rural	Yes	I / P		101-200	JM1 (including Pond A), Chappels Creek, TH1	68,110		10	33%		—
	Rural	No	I / P		0-100	EN2	12,349	12,349	5	100%	5.00000	2,469.800
	Rural	No	I / P		101-200	EN2	8,030		5	33%		—
	Rural	No	In-Line Pond		0-100	Pond B	22,128	22,128	5	100%	5.00000	4,425.600
	Rural	No	In-Line Pond		101-200	Pond B	5,638		5	33%		—
						Preservation Area Subtotals (ft^2):	514,096	430,415				

TOTAL AREA OF BUFFER MITIGATION (TABM)		
Mitigation Totals	Square Feet	Credits
Restoration:	1,230,429	933,082.476
Enhancement:	60,816	29,539.010
Preservation:	430,415	46,489.200
Total Riparian Buffer:	1,721,660	1,009,110.686
TOTAL NUTRIENT OFFSET MITIGATION		
Mitigation Totals	Square Feet	Credits
Nutrient Offset: Nitrogen:	0	0.000
Nutrient Offset: Phosphorus:		0.000

1. The Randleman Lake buffer rules allow some ditches to be classified as subject according to 15A NCAC 02B .0250 (5)(a).

last updated 08/03/2020

Table 2: Summary: Goals, Performance and Results

Goal	Objective/Treatment	Likely Functional Uplift	Performance Criteria	Measurement	Cumulative Monitoring Results
Restore, Enhance, and Preserve native vegetation.	Established and increased forested riparian buffers to 50 feet and greater along both sides of the project reaches (within the conservation easement) and ponds with a hardwood riparian plant community; Treated and removed invasive and nuisance plant species that could negatively impact the health and success of planted vegetation.	Reduction in floodplain sediment inputs from runoff, increased bank stability, increased LWD, and increased organic material in streams.	Survival of at least four native hardwood tree species, where no one species is greater than 50 percent of stems, at a density of at least 260 stems per acre at the end of MY5.	25 fixed vegetation plots.	All 25 plots met the success criteria of greater than 260 stems/acre, averaging 711 stems/acre. A total of 10 species were documented across all plots with an average height of 1.69 feet.

Table 3. Project Attribute Table			
Project Name	Chappels Creek Mitigation Project		
County	Person		
Project Area (acres)	49.26		
Planted Area (acres)	30.60		
Project Coordinates (latitude and longitude decimal degrees)	36.322000, -78.945000		
Project Watershed Summary Information			
Physiographic Province	Piedmont (Carolina Slate Belt)		
River Basin	Neuse		
USGS Hydrologic Unit 8-digit	3020201		
DWR Sub-basin	03-04-01		
Regulatory Considerations			
Parameters	**Applicable?**	**Resolved?**	**Supporting Docs?**
Water of the United States - Section 404	No	N/A	N/A
Water of the United States - Section 401	No	N/A	N/A
Buffer Authorization - Neuse Riparian Buffer Protection Rules	No	N/A	N/A
Endangered Species Act	Yes	Yes	Categorical Exclusion
Historic Preservation Act	Yes	Yes	Categorical Exclusion
Coastal Zone Management Act (CZMA or CAMA)	No	N/A	N/A
Essential Fisheries Habitat	No	N/A	N/A

Table 4. Project Timeline and Contacts

Activity or Deliverable	Data Collection Complete	Task Completion or Deliverable Submission
Project Instituted	N/A	Dec-20
Mitigation Plan Approved	N/A	Nov-22
Planting Completed	N/A	Apr-23
As-built Survey Completed	Apr-23	Apr-23
MY0 Baseline Report	Apr-23	Jul-23
MY1 Monitoring Report	Dec-23	Jan-24
MY2+ Monitoring Reports	-	-
Remediation Items (e.g. beaver removal, supplements, repairs etc.)	N/A	Beaver Dam Removal Mar-23 Debris/Fence Removal Nov-23 Supplemental Planting Dec-23
Encroachment	-	Nov-23

Chappels Creek #100179	
Provider	RES / 3600 Glenwood Ave., Suite 100, Raleigh, NC 27612
Mitigation Provider POC Monitoring POC	Jamey Mceachran (919) 623-9889 Hannah Gadai (704) 516-5170
Designer Primary project design POC	RES / 3600 Glenwood Ave., Suite 100, Raleigh, NC 27612 Ben Carroll, PE (336) 516-0927
Construction Contractor Construction contractor POC	RES / 3600 Glenwood Ave., Suite 100, Raleigh, NC 27612 Paul Dunn

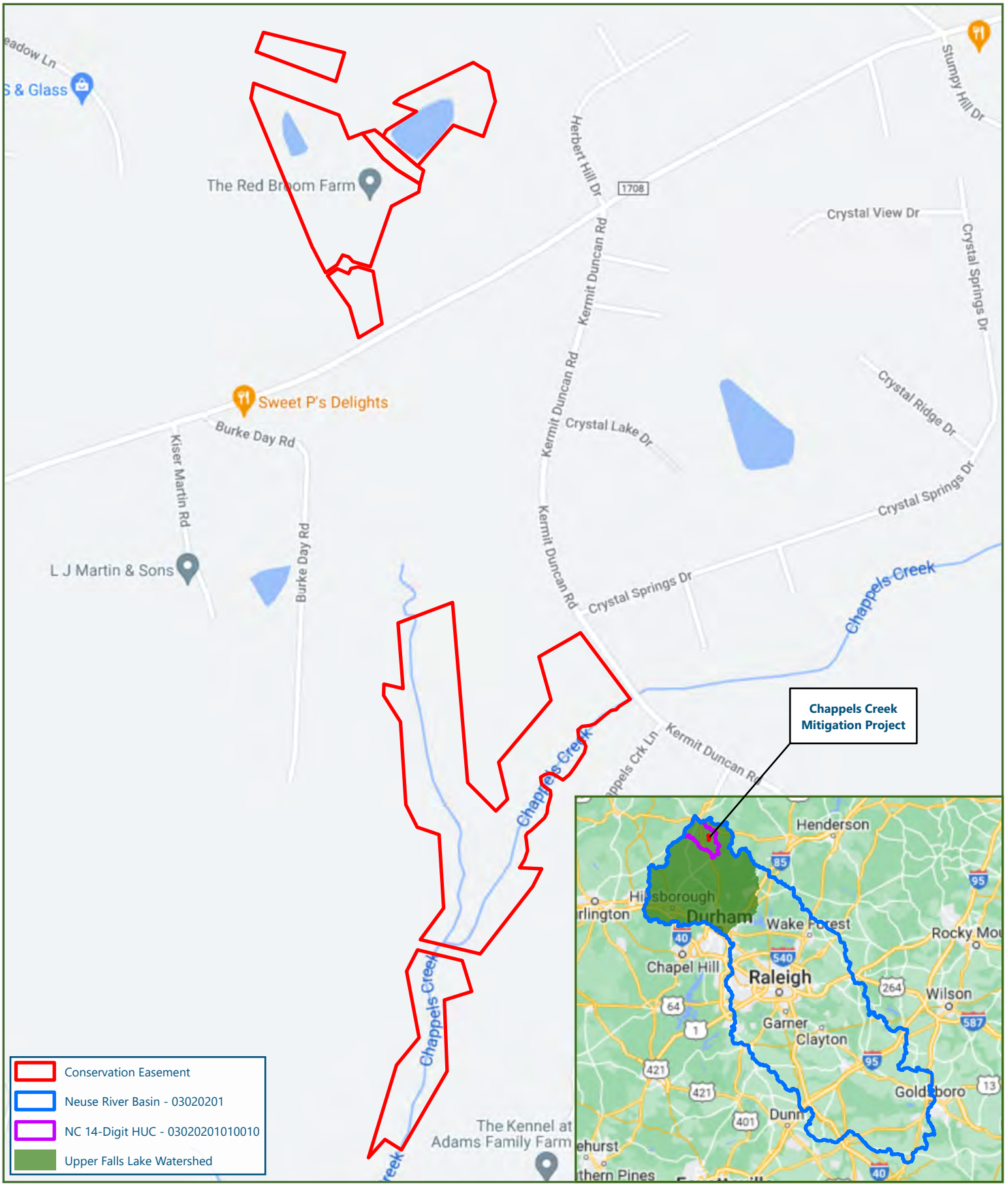


Figure 1
Project Vicinity

Chappels Creek
Person County, North Carolina
78.9431°W 36.322°N

N

1 in = 700 ft
when printed at 8.5x11"

0 350 700
Feet

Reference: This information is not to be used as final legal boundaries.
Data Source: USGS, GoogleMaps
Spatial Reference:
NAD 1983 StatePlane North Carolina FIPS 3200

res
www.res.us

Cartographer: eulman | POC: JRM| Path: R:\Resgis\entgis\Projects\103271_DMS_Chappels_Creek\PRO\6_MonitoringMaintenance\MY0\ChappelsCreek_MY0.aprx | Layout: Figure 1 - Project Vicinity - Chappels Creek | Date Exported: 5/10/2023

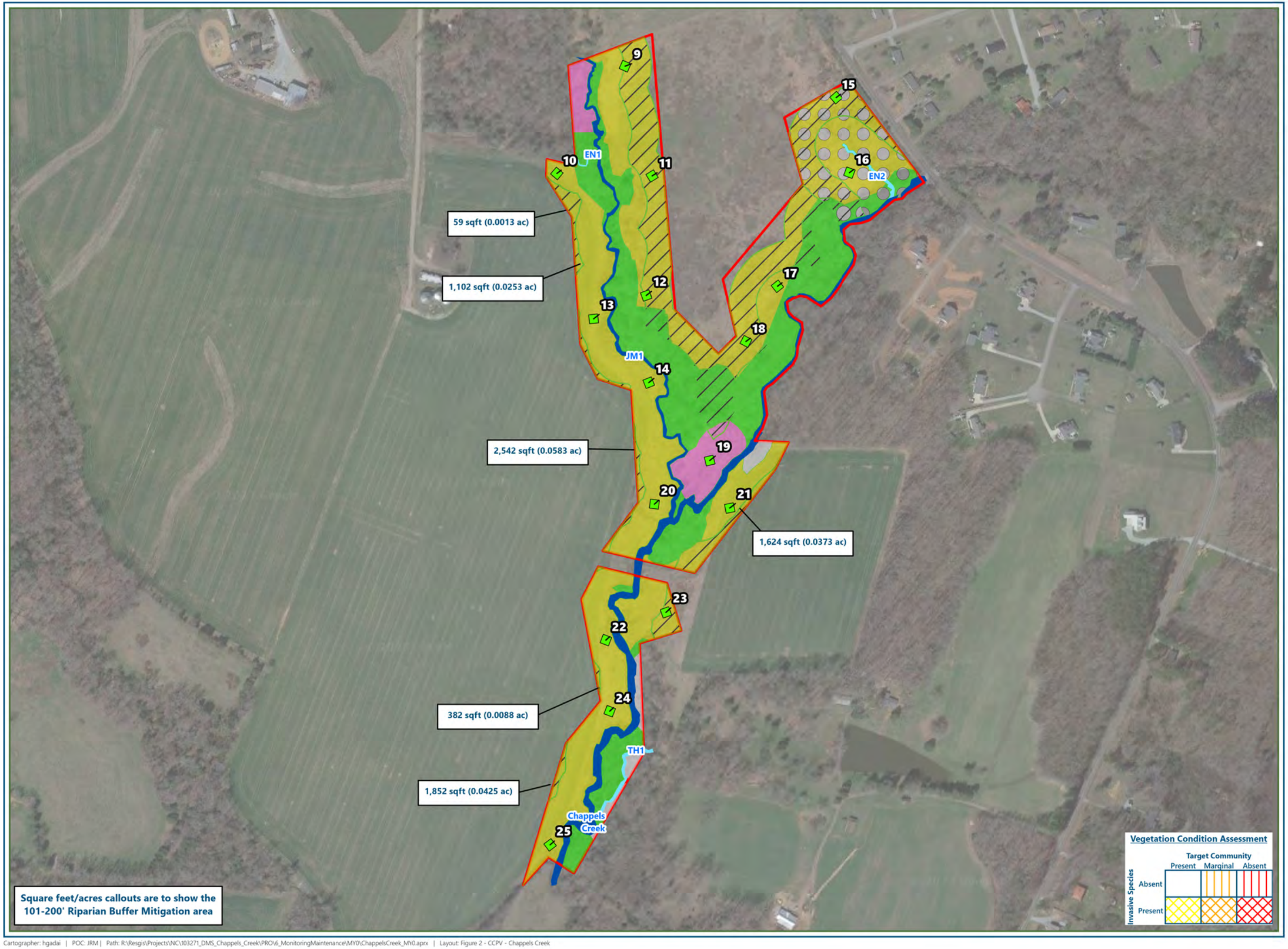
Figure 2A
Current Conditions Plan View

MY1 2023

Chappels Creek

Person County, North Carolina

78.9441°W 36.3175°N



- Conservation Easement
- Access Easement
- Vegetation Plot (>260 Stems/Acre)

Riparian Buffer Mitigation

- Restoration (0-100')
- Restoration (101-200')
- Non-Subject Restoration (0-100')
- Non-Subject Restoration (101-200')
- Enhancement (0-100')
- Enhancement (101-200')
- Preservation (0-100')
- Preservation (101-200')
- Non-Subject Preservation (0-100')
- Non-Subject Preservation (101-200')
- Non-Crediting

Project Stream

- Perennial
- Intermittent
- Pond

Vegetation Condition Assessment

Invasive Species	Target Community: Present	Target Community: Marginal	Target Community: Absent
Absent			
Present			

N

1 in = 325 ft

when printed at 11x17"

0 165 330

Feet

Reference: This information is not to be used as final legal boundaries.

Imagery Source: Google Maps

Spatial Reference:

NAD 1983 StatePlane North Carolina FIPS 3200 Feet

Date Exported: 1/9/2024

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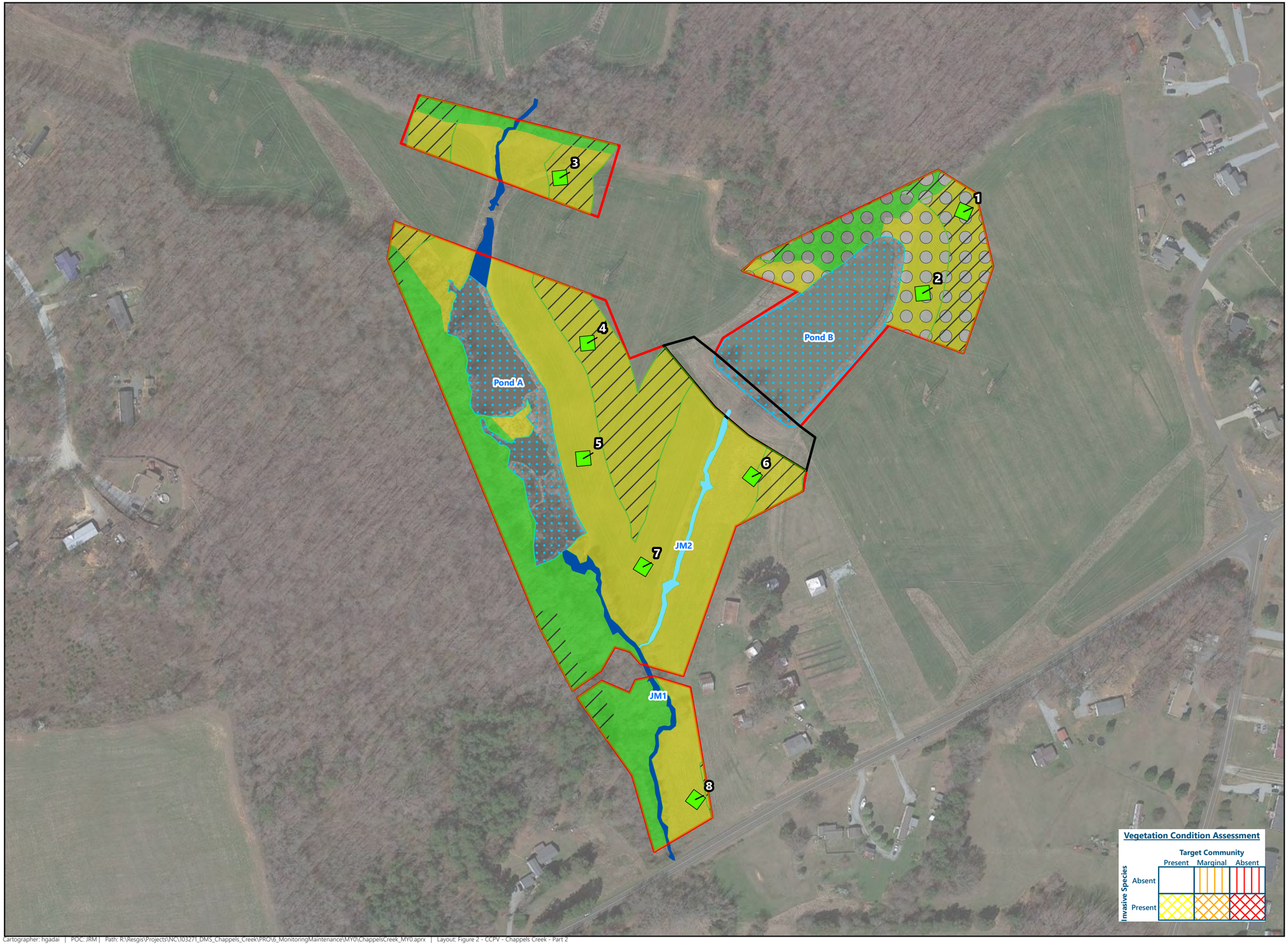
Figure 2B
Current Conditions Plan View

MY1 2023

Chappels Creek
Person County, North Carolina
78.9441°W 36.3175°N



- Conservation Easement
- Access Easement
- Vegetation Plot (>260 Stems/Acre)

Riparian Buffer Mitigation

- Restoration (0-100')
- Restoration (101-200')
- Non-Subject Restoration (0-100')
- Non-Subject Restoration (101-200')
- Enhancement (0-100')
- Enhancement (101-200')
- Preservation (0-100')
- Preservation (101-200')
- Non-Subject Preservation (0-100')
- Non-Subject Preservation (101-200')
- Non-Crediting

Project Stream

- Perennial
- Intermittent
- Pond

Vegetation Condition Assessment

Invasive Species \ Target Community	Present	Marginal	Absent
Absent			
Present			

N

1 in = 325 ft
when printed at 11x17"

0 165 330
Feet

Reference: This information is not to be used as final legal boundaries.
Imagery Source: Google Maps
Spatial Reference:
NAD 1983 StatePlane North Carolina FIPS 3200 Feet
Date Exported: 1/9/2024

res
www.res.us

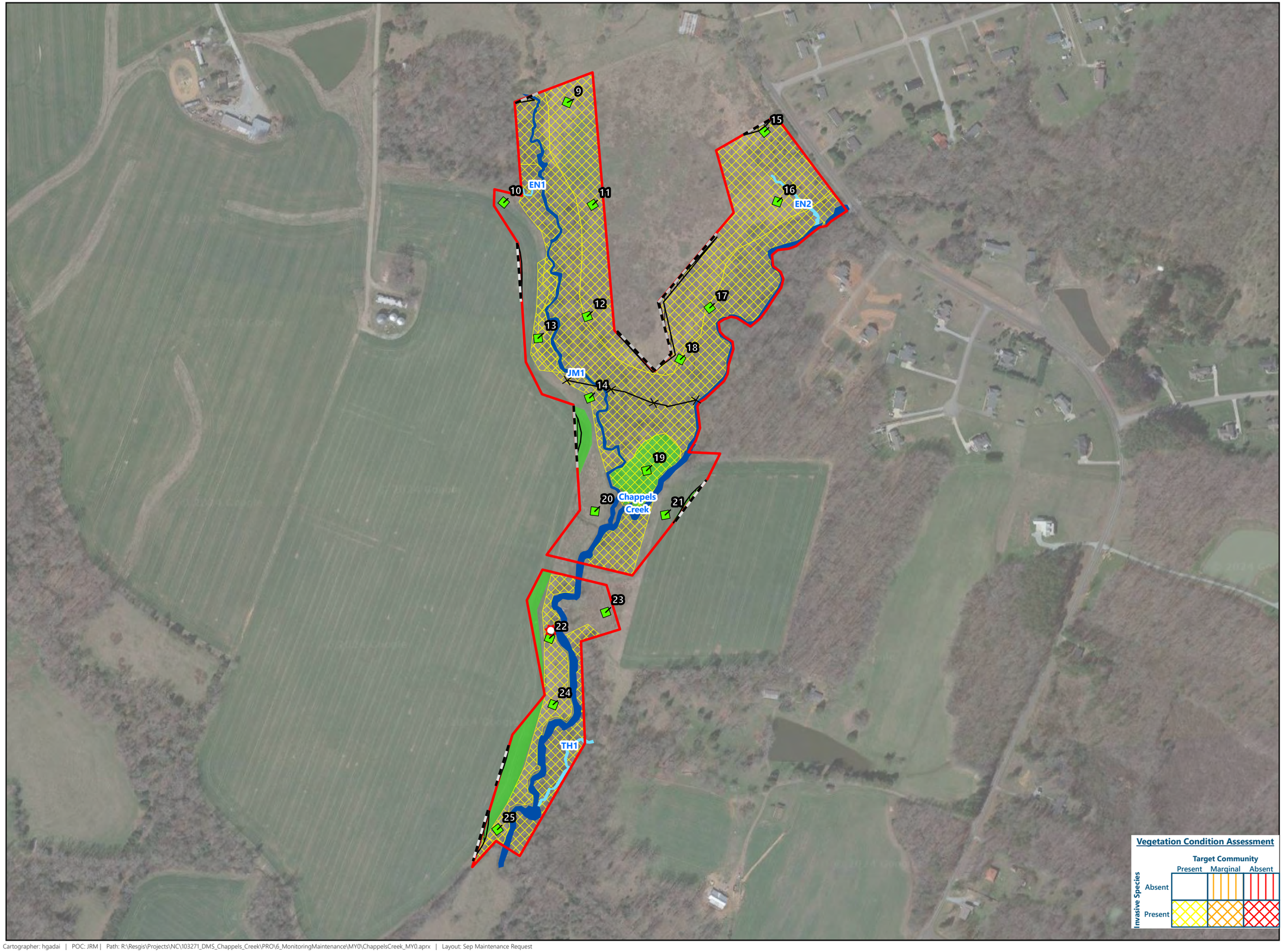
Figure 3A
Maintenance Completed

MY1 2023

Chappels Creek

Person County, North Carolina

78.9457°W 36.3283°N



- Conservation Easement
- Vegetation Plot (>260 Stems/Acre)
- Previous Encroachment Area (2023)
- Invasive Treatment (2023)
- Supplemental Planting (2023)

Stream Type

- Perennial
- Intermittent
- Debris Removed (2023)
- Fencing Removed (2023)
- Additional Easement Signage (2023)
- Beaver Dam Removed (March 2023)

Vegetation Condition Assessment

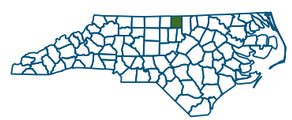
Invasive Species	Target Community: Present	Target Community: Marginal	Target Community: Absent
Absent			
Present			

N

1 in = 350 ft
when printed at 11x17"

0 100 200
Feet

Reference: This information is not to be used as final legal boundaries.
Imagery Source: Google Maps
Spatial Reference:
NAD 1983 StatePlane North Carolina FIPS 3200 Feet
Date Exported: 1/23/2024



res
www.res.us

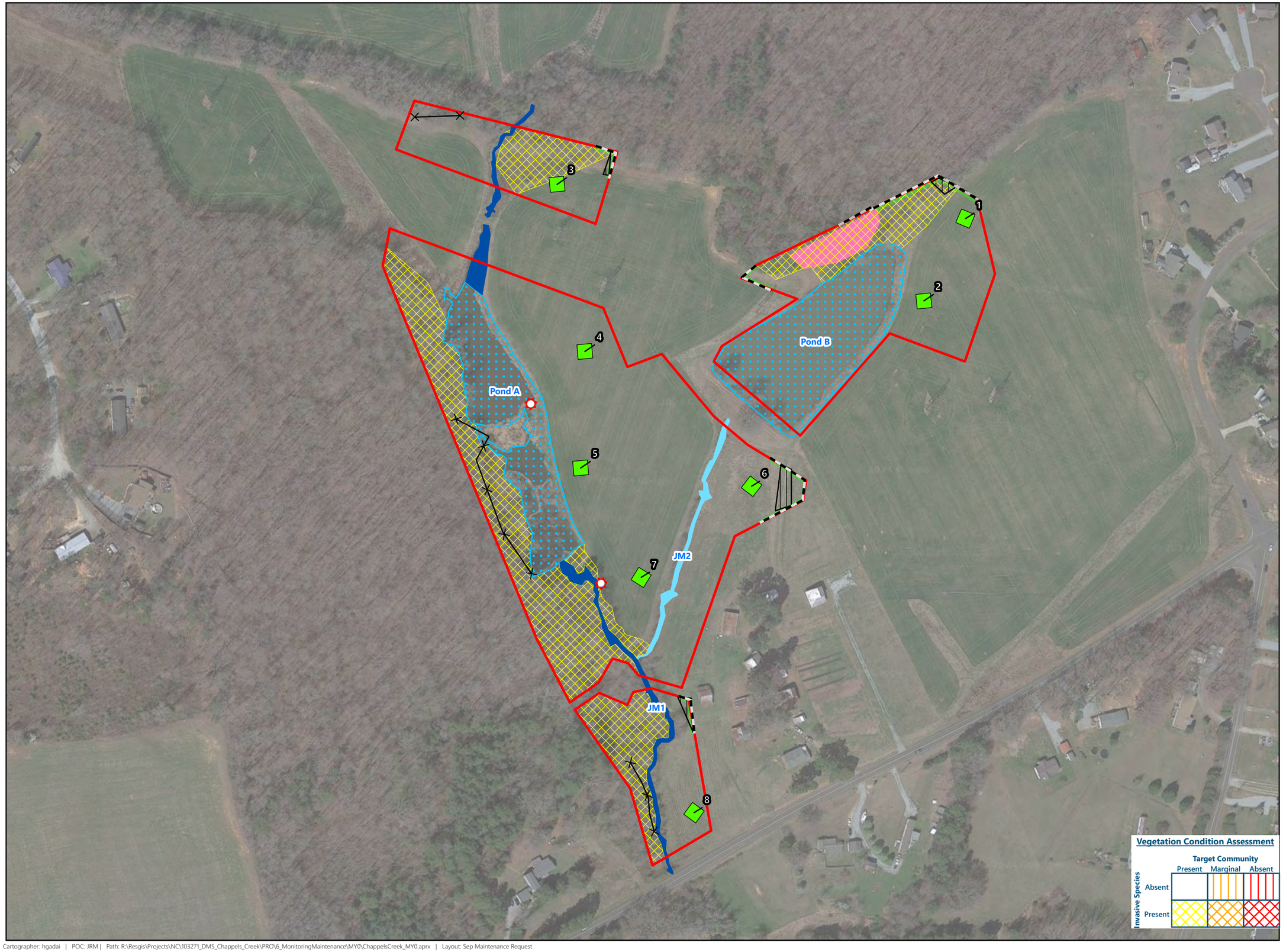
Figure 3A
Maintenance Completed

MY1 2023

Chappels Creek

Person County, North Carolina

78.9457°W 36.3283°N



- Conservation Easement
- Vegetation Plot (>260 Stems/Acre)
- Previous Encroachment Area (2023)
- Invasive Treatment (2023)
- Supplemental Planting (2023)
- Debris Removed (2023)

Project Stream

- Perennial
- Intermittent
- Pond
- Fencing Removed (2023)
- Additional Easement Signage (2023)
- Beaver Dam Removed (March 2023)

Vegetation Condition Assessment

Invasive Species	Target Community: Present	Marginal	Absent
Absent			
Present			

N

1 in = 200 ft

when printed at 11x17"

0 100 200

Feet

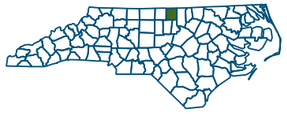
Reference: This information is not to be used as final legal boundaries.

Imagery Source: Google Maps

Spatial Reference:

NAD 1983 StatePlane North Carolina FIPS 3200 Feet

Date Exported: 1/23/2024



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Appendix B

Vegetation Assessment

Data

Bare Root Tree Planting List

Common Name	Scientific Name	Mit Plan %	As-Built %	Total Stems Planted
American sycamore	*Platanus occidentalis*	15	15	3800
River birch	*Betula nigra*	15	15	3800
Willow oak	*Quercus phellos*	15	15	3800
Northern red oak	*Quercus rubra*	15	15	3800
White oak	*Quercus alba*	10	10	2550
Overcup oak	*Quercus lyrata*	10	10	2550
Tulip poplar	*Liriodendron tulipifera*	5	5	1300
Green Ash	*Fraxinus pennsylvanica*	5	5	1300
Persimmon	*Diospyros virginiana*	5	5	1300
Flowering dogwood	*Cornus florida*	5	5	1300
			Total	25,500
			Planted Area (Ac.)	30.6
			As-Built Stems/Acre	833

Seed Mix List

Common Name	Scientific Name	% Composition
Virgina Wild Rye	*Elymus virginicus*	25%
Switchgrass	*Panicum virgatum*	25%
Big Bluestem	*Andropogon gerardii*	10%
Lanceleaf Coreopsis	*Coreopsis lanceolata*	10%
Little Bluestem	*Schizachyrium scoparium*	10%
Purple Coneflower	*Echinacea purpurea*	7%
Oxeye Sunflower	*Heliopsis helianthoides*	7%
Butterfly Milkweed	*Asclepias tuberosa*	3%
Narrowleaf Sunflower	*Helianthus angustifolius*	3%

Planted Acreage	30.6
Date of Initial Plant	2023-04-17
Date(s) of Supplemental Plant(s)	2023-12-18
Date(s) Mowing	NA
Date of Current Survey	2023-12-23
Plot size (ACRES)	0.0247

	Scientific Name	Common Name	Tree/Shrub	Indicator Status	Veg Plot 1 F		Veg Plot 2 F		Veg Plot 3 F		Veg Plot 4 F		Veg Plot 5 F		Veg Plot 6 F		Veg Plot 7 F		Veg Plot 8 F	
					Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total
Species Included in Approved Mitigation Plan	Betula nigra	river birch	Tree	FACW	9	9	2	2	4	4			4	4	1	1	10	10	3	3
	Cornus florida	flowering dogwood	Tree	FACU					2	2	3	3			1	1				
	Diospyros virginiana	common persimmon	Tree	FAC	1	1			5	5	3	3	2	2	2	2	1	1	1	1
	Fraxinus pennsylvanica	green ash	Tree	FACW			4	4	1	1	3	3	1	1	1	1				
	Liriodendron tulipifera	tuliptree	Tree	FACU			1	1									2	2		
	Platanus occidentalis	American sycamore	Tree	FACW	2	2	5	5	5	5	2	2	1	1	2	2	2	2	3	3
	Quercus alba	white oak	Tree	FACU	5	5	4	4			3	3	3	3	2	2	1	1	2	2
	Quercus lyrata	overcup oak	Tree	OBL	3	3	2	2	1	1	1	1	2	2	1	1	2	2	3	3
	Quercus phellos	willow oak	Tree	FACW	2	2			3	3	5	5	3	3	1	1	3	3	5	5
	Quercus rubra	northern red oak	Tree	FACU	3	3	4	4	3	3	2	2	3	3	4	4			2	2
Sum	Performance Standard				25	25	22	22	24	24	22	22	19	19	15	15	21	21	19	19
Mitigation Plan Performance Standard	Current Year Stem Count					25		22		24		22		19		15		21		19
	Stems/Acre					1012		891		972		891		769		607		850		769
	Species Count					7		7		8		8		8		9		7		7
	Dominant Species Composition (%)					36		23		21		23		21		27		48		26
	Average Plot Height (ft.)					2		2		2		2		2		2		2		2
	% Invasives					0		0		0		0		0		0		0		0
Post Mitigation Plan Performance Standard	Current Year Stem Count					25		22		24		22		19		15		21		19
	Stems/Acre					1012		891		972		891		769		607		850		769
	Species Count					7		7		8		8		8		9		7		7
	Dominant Species Composition (%)					36		23		21		23		21		27		48		26
	Average Plot Height (ft.)					2		2		2		2		2		2		2		2
	% Invasives					0		0		0		0		0		0		0		0

	Scientific Name	Common Name	Tree/Shrub	Indicator Status	Veg Plot 9 F		Veg Plot 10 F		Veg Plot 11 F		Veg Plot 12 F		Veg Plot 13 F		Veg Plot 14 F		Veg Plot 15 F		Veg Plot 16 F	
					Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total
Species Included in Approved Mitigation Plan	Betula nigra	river birch	Tree	FACW			2	2					2	2	2	2	1	1	1	1
	Cornus florida	flowering dogwood	Tree	FACU	1	1													1	1
	Diospyros virginiana	common persimmon	Tree	FAC	1	1			1	1	3	3	1	1	2	2	1	1		
	Fraxinus pennsylvanica	green ash	Tree	FACW	1	1	1	1												
	Liriodendron tulipifera	tuliptree	Tree	FACU	1	1			3	3			1	1			1	1	2	2
	Platanus occidentalis	American sycamore	Tree	FACW	2	2	2	2	4	4	3	3	6	6			2	2	6	6
	Quercus alba	white oak	Tree	FACU	1	1	1	1	1	1	3	3	3	3	2	2	3	3	1	1
	Quercus lyrata	overcup oak	Tree	OBL			2	2	1	1	2	2	1	1	2	2	1	1	2	2
	Quercus phellos	willow oak	Tree	FACW	2	2			4	4					2	2	2	2	1	1
	Quercus rubra	northern red oak	Tree	FACU	4	4	4	4			7	7	2	2	7	7	5	5	1	1
Sum	Performance Standard				13	13	12	12	14	14	18	18	16	16	17	17	16	16	15	15
Mitigation Plan Performance Standard	Current Year Stem Count					13		12		14		18		16		17		16		15
	Stems/Acre					526		486		567		729		648		688		648		607
	Species Count					8		6		6		5		7		6		8		8
	Dominant Species Composition (%)					31		33		29		39		38		41		31		40
	Average Plot Height (ft.)					2		2		2		2		2		2		2		3
	% Invasives					0		0		0		0		0		0		0		0
Post Mitigation Plan Performance Standard	Current Year Stem Count					13		12		14		18		16		17		16		15
	Stems/Acre					526		486		567		729		648		688		648		607
	Species Count					8		6		6		5		7		6		8		8
	Dominant Species Composition (%)					31		33		29		39		38		41		31		40
	Average Plot Height (ft.)					2		2		2		2		2		2		2		3
	% Invasives					0		0		0		0		0		0		0		0

	Scientific Name	Common Name	Tree/Shrub	Indicator Status	Veg Plot 17 F		Veg Plot 18 F		Veg Plot 19 F		Veg Plot 20 F		Veg Plot 21 F		Veg Plot 22 F		Veg Plot 23 F		Veg Plot 24 F	
					Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total	Planted	Total
Species Included in Approved Mitigation Plan	Betula nigra	river birch	Tree	FACW	1	1	3	3	1	1			2	2	5	5			5	5
	Cornus florida	flowering dogwood	Tree	FACU																
	Diospyros virginiana	common persimmon	Tree	FAC	2	2			1	1	3	3	3	3	1	1	2	2		
	Fraxinus pennsylvanica	green ash	Tree	FACW																
	Liriodendron tulipifera	tuliptree	Tree	FACU	1	1	1	1	3	3			3	3	1	1			1	1
	Platanus occidentalis	American sycamore	Tree	FACW	4	4	3	3	2	2	1	1	4	4	11	11	4	4	6	6
	Quercus alba	white oak	Tree	FACU													5	5	1	1
	Quercus lyrata	overcup oak	Tree	OBL	2	2	2	2	4	4	3	3	3	3	1	1	1	1		
	Quercus phellos	willow oak	Tree	FACW	1	1	3	3	1	1	3	3	3	3			3	3	3	3
	Quercus rubra	northern red oak	Tree	FACU	2	2	6	6	3	3	2	2	2	2	2	2	6	6	4	4
Sum	Performance Standard				13	13	18	18	15	15	12	12	20	20	21	21	21	21	20	20
Mitigation Plan Performance Standard	Current Year Stem Count					13		18		15		12		20		21		21		20
	Stems/Acre					526		729		607		486		810		810		850		810
	Species Count					7		6		7		5		7		6		6		6
	Dominant Species Composition (%)					31		33		27		25		20		52		29		30
	Average Plot Height (ft.)					2		2		2		2		2		2		2		2
	% Invasives					0		0		0		0		0		0		0		0
Post Mitigation Plan Performance Standard	Current Year Stem Count					13		18		15		12		20		21		21		20
	Stems/Acre					526		729		607		486		810		810		850		810
	Species Count					7		6		7		5		7		6		6		6
	Dominant Species Composition (%)					31		33		27		25		20		52		29		30
	Average Plot Height (ft.)					2		2		2		2		2		2		2		2
	% Invasives					0		0		0		0		0		0		0		0

	Scientific Name	Common Name	Tree/Shrub	Indicator Status	Veg Plot 25 F	
					Planted	Total
Species Included in Approved Mitigation Plan	Betula nigra	river birch	Tree	FACW		
	Cornus florida	flowering dogwood	Tree	FACU		
	Diospyros virginiana	common persimmon	Tree	FAC		
	Fraxinus pennsylvanica	green ash	Tree	FACW		
	Liriodendron tulipifera	tuliptree	Tree	FACU		
	Platanus occidentalis	American sycamore	Tree	FACW	2	2
	Quercus alba	white oak	Tree	FACU	2	2
	Quercus lyrata	overcup oak	Tree	OBL	2	2
	Quercus phellos	willow oak	Tree	FACW	3	3
	Quercus rubra	northern red oak	Tree	FACU	3	3
Sum	Performance Standard				12	12
Mitigation Plan Performance Standard	Current Year Stem Count					12
	Stems/Acre					486
	Species Count					5
	Dominant Species Composition (%)					25
	Average Plot Height (ft.)					2
	% Invasives					0
Post Mitigation Plan Performance Standard	Current Year Stem Count					12
	Stems/Acre					486
	Species Count					5
	Dominant Species Composition (%)					25
	Average Plot Height (ft.)					2
	% Invasives					0

1). Bolded species are proposed for the current monitoring year, italicized species are not approved, and a regular font indicates that the species has been approved.
2). The "Species Included in Approved Mitigation Plan" section contains only those species that were included in the original approved mitigation plan. The "Post Mitigation Plan Species" section includes species that are being proposed through a mitigation plan addendum for the current monitoring year (bolded) , species that have been approved in prior monitoring years through a mitigation plan addendum (regular font), and species that are not approved (italicized).
3). The "Mitigation Plan Performance Standard" section is derived only from stems included in the original mitigation plan, whereas the "Post Mitigation Plan Performance Standard" includes data from mitigation plan approved, post mitigation plan approved, and proposed stems.

Vegetation Performance Standards Summary Table

	Veg Plot 1 F				Veg Plot 2 F				Veg Plot 3 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	1012	2	7	0	891	2	7	0	972	2	8	0
Monitoring Year 0	1052	1	7	0	891	1	7	0	1012	2	8	0
	Veg Plot 4 F				Veg Plot 5 F				Veg Plot 6 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	891	2	8	0	769	2	8	0	607	2	9	0
Monitoring Year 0	1012	1	8	0	769	1	8	0	688	2	9	0
	Veg Plot 7 F				Veg Plot 8 F				Veg Plot 9 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	850	2	7	0	769	2	7	0	526	2	8	0
Monitoring Year 0	891	1	8	0	769	2	7	0	567	2	8	0
	Veg Plot 10 F				Veg Plot 11 F				Veg Plot 12 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	486	2	6	0	567	2	6	0	729	2	5	0
Monitoring Year 0	567	1	6	0	648	2	6	0	931	2	6	0
	Veg Plot 13 F				Veg Plot 14 F				Veg Plot 15 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	648	2	7	0	688	2	6	0	648	2	8	0
Monitoring Year 0	810	1	7	0	688	2	6	0	810	2	8	0
	Veg Plot 16 F				Veg Plot 17 F				Veg Plot 18 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	607	3	8	0	526	2	7	0	729	2	6	0
Monitoring Year 0	607	2	8	0	526	2	7	0	729	2	6	0
	Veg Plot 19 F				Veg Plot 20 F				Veg Plot 21 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	607	2	7	0	486	2	5	0	810	2	7	0
Monitoring Year 0	810	2	7	0	648	2	7	0	810	1	7	0
	Veg Plot 22 F				Veg Plot 23 F				Veg Plot 24 F			
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	810	2	6	0	850	2	6	0	810	2	6	0
Monitoring Year 0	891	1	6	0	891	2	6	0	931	1	7	0
	Veg Plot 25 F											
	Stems/Ac.	Av. Ht. (ft)	# Species	% Invasives								
Monitoring Year 7												
Monitoring Year 5												
Monitoring Year 3												
Monitoring Year 2												
Monitoring Year 1	486	2	5	0								
Monitoring Year 0	607	1	5	0								

*Each monitoring year represents a different plot for the random vegetation plot "groups". Random plots are denoted with an R, and fixed plots with an F.

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
1	*Diospyros virginiana*	Approved Mit Plan	Planted	9.9	0.4	0.5	0.57					Y
1	*Quercus rubra*	Approved Mit Plan	Planted	8.6	2.2	0.35	0.4					W
1	*Quercus rubra*	Approved Mit Plan	Planted	6.7	0.8	0.55	0.67					R
1	*Platanus occidentalis*	Approved Mit Plan	Planted	3.4	0.4	0.45	1.6					J
1	*Quercus lyrata*	Approved Mit Plan	Planted	4.9	1.7	0.5	0.72					N
1	*Betula nigra*	Approved Mit Plan	Planted	6.7	2.9	0.35	0.73					S
1	*Betula nigra*	Approved Mit Plan	Planted	8.2	4.5	0.4	0.91					V
1	*Quercus phellos*	Approved Mit Plan	Planted	9.8	5.9	0.42	0.8					Z
1	*Platanus occidentalis*	Approved Mit Plan	Planted	9.1	7	0.52	1.12					X
1	*Betula nigra*	Approved Mit Plan	Planted	7.6	6.3	0.4	0.3					U
1	*Betula nigra*	Approved Mit Plan	Planted	5.8	5	0.38	0.6					Q
1	*Betula nigra*	Approved Mit Plan	Planted	4.7	3.9	0.48	0.82					M
1	*Betula nigra*	Approved Mit Plan	Planted	3.2	2.7	0.51	0.92					I
1	*Betula nigra*	Approved Mit Plan	Planted	1.5	1.5	0.4	0.9					E
1	*Betula nigra*	Approved Mit Plan	Planted	0.2	0.3	0.47	1.15					A
1	*Quercus alba*	Approved Mit Plan	Planted	0.2	2.9	0.1	0.45					B
1	*Quercus alba*	Approved Mit Plan	Planted	2	4.5	0.2	0.27					G
1	*Quercus lyrata*	Approved Mit Plan	Planted	3.7	6	0.38	0.42					L
1	*Betula nigra*	Approved Mit Plan	Planted	5.4	7.2	0.2	0					P
1	*Quercus alba*	Approved Mit Plan	Planted	7.1	8.6	0.28	0.3					T
1	*Quercus alba*	Approved Mit Plan	Planted	5.3	9.4	0.35	0.5					O
1	*Quercus alba*	Approved Mit Plan	Planted	3.5	8.2	0.27	0.5					K
1	*Quercus rubra*	Approved Mit Plan	Planted	1.9	6.9	0.39	0.43					F
1	*Quercus lyrata*	Approved Mit Plan	Planted	0.4	5.6	0.45	0.51					C
1	*Betula nigra*	Approved Mit Plan	Planted	0.7	8.5	0.46	0.9					D
1	*Quercus phellos*	Approved Mit Plan	Planted	2.4	9.8	0.48	0.5					H

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
2	*Quercus rubra*	Approved Mit Plan	Planted	0.5	0.1	0.5	0.5					R
2	*Quercus alba*	Approved Mit Plan	Planted	0.6	2.2	0.2	0.21					S
2	*Quercus rubra*	Approved Mit Plan	Planted	0.8	4.2	0.47	0.5					C
2	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	0.9	6.3	0.2	0.51					E
2	*Quercus alba*	Approved Mit Plan	Planted	0.9	5.3	0.21	0.22					D
2	*Quercus alba*	Approved Mit Plan	Planted	2.3	9.8	0.23	0.22					H
2	*Quercus rubra*	Approved Mit Plan	Planted	2.3	7.4	0.52	0.62					G
2	*Quercus lyrata*	Approved Mit Plan	Planted	2.3	4.6	0.4	0.42					F
2	*Betula nigra*	Approved Mit Plan	Planted	2.4	1.8	0.25	0.43					I
2	*Liriodendron tulipifera*	Approved Mit Plan	Planted	4.2	1	0.1	0.22					J
2	*Quercus lyrata*	Approved Mit Plan	Planted	4.4	4	0.42	0.42					L
2	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	4.2	6.9	0.3	0.43					K
2	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	4.8	9.4	0.29	0.65					M
2	*Quercus rubra*	Approved Mit Plan	Planted	6.8	9.5	0.48	0.5					Q
2	*Platanus occidentalis*	Approved Mit Plan	Planted	6.6	7	0.4	0.65					P
2	*Platanus occidentalis*	Approved Mit Plan	Planted	6.3	3.6	0.5	0.9					O
2	*Platanus occidentalis*	Approved Mit Plan	Planted	6.1	0.7	0.43	0.82					N
2	*Betula nigra*	Approved Mit Plan	Planted	8.1	0.6	0.47	0.61					R
2	*Platanus occidentalis*	Approved Mit Plan	Planted	8.3	2.8	0.5	0.85					S
2	*Platanus occidentalis*	Approved Mit Plan	Planted	8.5	5.1	0.5	1.1					T
2	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	8.7	7.6	0.41	0.35					U
2	*Quercus alba*	Approved Mit Plan	Planted	8.9	9.6	0.29	0.32					V

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
3	*Betula nigra*	Approved Mit Plan	Planted	0.2	0.3	0.25	0.25					A
3	*Quercus rubra*	Approved Mit Plan	Planted	2.5	0.5	0.7	0.65					H
3	*Quercus phellos*	Approved Mit Plan	Planted	1.7	2.1	0.48	0.48					E
3	*Quercus phellos*	Approved Mit Plan	Planted	0.9	3.8	0.48	0.46					C
3	*Quercus lyrata*	Approved Mit Plan	Planted	0.4	5.5	0.66	0.7					B
3	*Diospyros virginiana*	Approved Mit Plan	Planted	0.9	8.2	0.55	0.52					D
3	*Cornus florida*	Approved Mit Plan	Planted	2	6.2	0.2	0.22					F
3	*Quercus rubra*	Approved Mit Plan	Planted	2.7	4.3	0.35	0.4					I
3	*Cornus florida*	Approved Mit Plan	Planted	3.8	2.4	0.2	0.22					K
3	*Quercus phellos*	Approved Mit Plan	Planted	5	0.2	0.45	0.55					N
3	*Quercus rubra*	Approved Mit Plan	Planted	6.2	2.3	0.47	0.45					Q
3	*Diospyros virginiana*	Approved Mit Plan	Planted	5.2	4.1	0.45	0.46					O
3	*Platanus occidentalis*	Approved Mit Plan	Planted	4.1	5.9	0.45	0.73					L
3	*Platanus occidentalis*	Approved Mit Plan	Planted	3.1	7.5	0.5	0.55					J
3	*Diospyros virginiana*	Approved Mit Plan	Planted	2.3	9.3	0.66	0.62					Q
3	*Platanus occidentalis*	Approved Mit Plan	Planted	4.9	8.9	0.52	0.62					M
3	*Platanus occidentalis*	Approved Mit Plan	Planted	5.9	6.9	0.45	1.05					P
3	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	6.8	5	0.4	0.52					R
3	*Diospyros virginiana*	Approved Mit Plan	Planted	7.7	2.9	0.42	0.55					T
3	*Diospyros virginiana*	Approved Mit Plan	Planted	8.6	1	0.6	0.6					V
3	*Betula nigra*	Approved Mit Plan	Planted	9.4	3.9	0.4	0.9					Y
3	*Betula nigra*	Approved Mit Plan	Planted	8.8	5.7	0.46	0.45					W
3	Betula nigra	Approved Mit Plan	Planted	7.8	7	0.5	0.5					U
3	*Quercus rubra*	Approved Mit Plan	Planted	6.9	8.6	0.47	0					S
3	*Platanus occidentalis*	Approved Mit Plan	Planted	9.2	9.1	0.48	0.77					X

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
4	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	8.7	0.7	0.4	0.5					V
4	*Quercus phellos*	Approved Mit Plan	Planted	8.4	2.3	0.56	0.62					U
4	*Quercus rubra*	Approved Mit Plan	Planted	6.6	1.6	0.23	0.28					P
4	*Cornus florida*	Approved Mit Plan	Planted	5.5	1.4	0.22	0.2					N
4	*Cornus florida*	Approved Mit Plan	Planted	2.4	0.7	0.1	0.13					F
4	*Quercus alba*	Approved Mit Plan	Planted	0.4	0.3	0.45	0.49					A
4	*Quercus alba*	Approved Mit Plan	Planted	2.5	2.2	0.2	0.25					G
4	*Platanus occidentalis*	Approved Mit Plan	Planted	4.6	3	0.48	1					K
4	*Platanus occidentalis*	Approved Mit Plan	Planted	6.6	3.6	0.5	0.75					Q
4	*Quercus alba*	Approved Mit Plan	Planted	8.7	4.5	0.32	0.35					W
4	*Quercus phellos*	Approved Mit Plan	Planted	9.9	7.1	0.5	0.51					Y
4	*Diospyros virginiana*	Approved Mit Plan	Planted	8.6	6.2	0.63	0.6					X
4	*Quercus phellos*	Approved Mit Plan	Planted	7	5.7	0.58	0.58					R
4	*Diospyros virginiana*	Approved Mit Plan	Planted	5.3	5.2	0.54	0.6					M
4	*Diospyros virginiana*	Approved Mit Plan	Planted	3.5	4.7	0.52	0.52					J
4	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	1.7	4	0.48	0.6					E
4	*Quercus rubra*	Approved Mit Plan	Planted	0.7	5.6	0.36	0.4					B
4	*Quercus phellos*	Approved Mit Plan	Planted	2.6	6.4	0.55	0.52					H
4	*Quercus lyrata*	Approved Mit Plan	Planted	5	7.4	0.45	0.41					L
4	*Quercus phellos*	Approved Mit Plan	Planted	7.7	8.4	0.3	0.3					T
4	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	7.5	9.8	0.4	0.57					S
4	*Cornus florida*	Approved Mit Plan	Planted	5.4	9.1	0.42	0.4					O
4	Cornus florida	Approved Mit Plan	Planted	3.3	8.3	0.2	0					I
4	*Cornus florida*	Approved Mit Plan	Planted	1.2	7.7	0.46	0					C
4	*Quercus alba*	Approved Mit Plan	Planted	1.4	9.6	0.2	0					D

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
5	*Quercus phellos*	Approved Mit Plan	Planted	0.5	0.1	0.48	0.53					A
5	*Quercus rubra*	Approved Mit Plan	Planted	2.7	0.1	0.25	0.32					E
5	*Quercus rubra*	Approved Mit Plan	Planted	2.3	2.5	0.4	0.47					D
5	*Platanus occidentalis*	Approved Mit Plan	Planted	1.5	5.1	0.5	0.75					C
5	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	0.8	7.8	0.35	0.35					B
5	*Betula nigra*	Approved Mit Plan	Planted	2.8	8.1	0.5	0.62					F
5	*Diospyros virginiana*	Approved Mit Plan	Planted	3.4	5.7	0.5	0.6					G
5	*Diospyros virginiana*	Approved Mit Plan	Planted	3.8	3.6	0.52	0.53					H
5	*Betula nigra*	Approved Mit Plan	Planted	4.4	1.2	0.5	0.8					I
5	*Quercus alba*	Approved Mit Plan	Planted	6.6	1.5	0.2	0.05					M
5	*Quercus lyrata*	Approved Mit Plan	Planted	5.9	4.1	0.4	0.5					L
5	*Betula nigra*	Approved Mit Plan	Planted	5.3	6.3	0.4	0.3					K
5	*Betula nigra*	Approved Mit Plan	Planted	4.7	8.6	0.42	0.75					J
5	*Quercus rubra*	Approved Mit Plan	Planted	7	9.1	0.48	0.5					N
5	*Quercus alba*	Approved Mit Plan	Planted	7.6	6.9	0.2	0.2					O
5	*Quercus phellos*	Approved Mit Plan	Planted	8	4.6	0.4	0.4					P
5	*Quercus lyrata*	Approved Mit Plan	Planted	8.4	2.2	0.45	0.45					Q
5	*Quercus alba*	Approved Mit Plan	Planted	8.9	0.2	0.3	0.41					R
5	*Quercus phellos*	Approved Mit Plan	Planted	9.6	9.7	0.75	0.82					S

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
6	*Platanus occidentalis*	Approved Mit Plan	Planted	0.3	0.3	0.4	0.4					A
6	*Betula nigra*	Approved Mit Plan	Planted	2.9	0.3	0.51	0.5					G
6	*Cornus florida*	Approved Mit Plan	Planted	1.4	2.5	0.2	0.15					D
6	*Quercus rubra*	Approved Mit Plan	Planted	1.5	2.8	0.58	0.6					E
6	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	1.2	5.7	0.32	0.55					C
6	*Quercus phellos*	Approved Mit Plan	Planted	2.8	5	0.63	0.55					H
6	*Diospyros virginiana*	Approved Mit Plan	Planted	6.1	2.7	0.52	0.6					L
6	*Quercus rubra*	Approved Mit Plan	Planted	8.9	0.2	0.48	0.5					P
6	*Quercus rubra*	Approved Mit Plan	Planted	8	2.4	0.53	0.53					O
6	*Betula nigra*	Approved Mit Plan	Planted	7.8	4.3	0.62	0					N
6	*Quercus lyrata*	Approved Mit Plan	Planted	5.1	5.2	0.57	0.57					J
6	*Quercus alba*	Approved Mit Plan	Planted	3.9	7.5	0.55	0.62					I
6	*Quercus phellos*	Approved Mit Plan	Planted	2.6	9.2	0.53	0					F
6	*Quercus rubra*	Approved Mit Plan	Planted	0.9	9.9	0.55	0.53					B
6	*Platanus occidentalis*	Approved Mit Plan	Planted	5.3	9.7	0.51	0.47					K
6	*Quercus alba*	Approved Mit Plan	Planted	6	7.4	0.25	0.31					M
6	*Diospyros virginiana*	Approved Mit Plan	Planted	9	9.7	0.43	0.42					Q

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
7	*Quercus phellos*	Approved Mit Plan	Planted	0.4	0.3	0.7	0.62					C
7	*Quercus alba*	Approved Mit Plan	Planted	2.1	1	0.33	0.4					G
7	*Quercus phellos*	Approved Mit Plan	Planted	4.2	1.9	0.63	0.6					L
7	*Quercus lyrata*	Approved Mit Plan	Planted	6.1	2.7	0.48	0.5					P
7	*Quercus phellos*	Approved Mit Plan	Planted	7.7	3.5	0.55	0.55					R
7	*Quercus lyrata*	Approved Mit Plan	Planted	9.6	4.8	0.55	0.65					V
7	*Betula nigra*	Approved Mit Plan	Planted	9.5	6.8	0.4	0.6					U
7	*Betula nigra*	Approved Mit Plan	Planted	7.8	5.8	0.53	0.55					S
7	*Betula nigra*	Approved Mit Plan	Planted	5.3	4.7	0.41	0.68					N
7	*Platanus occidentalis*	Approved Mit Plan	Planted	3.4	3.6	0.46	0.55					J
7	*Betula nigra*	Approved Mit Plan	Planted	1.2	2.7	0.41	0.67					E
7	*Platanus occidentalis*	Approved Mit Plan	Planted	0.3	4.7	0.5	0.83					A
7	*Betula nigra*	Approved Mit Plan	Planted	2.1	5.6	0.46	0.62					H
7	*Liriodendron tulipifera*	Approved Mit Plan	Planted	4.3	6.8	0.48	0.56					M
7	*Liriodendron tulipifera*	Approved Mit Plan	Planted	6.2	8.1	0.42	0.35					Q
7	*Diospyros virginiana*	Approved Mit Plan	Planted	8.1	8.8	0.65	0.6					T
7	*Betula nigra*	Approved Mit Plan	Planted	5.9	9.3	0.45	0.9					O
7	Betula nigra	Approved Mit Plan	Planted	3.9	8.7	0.26	0.56					K
7	*Betula nigra*	Approved Mit Plan	Planted	1.8	7.5	0.5	0.72					F
7	*Betula nigra*	Approved Mit Plan	Planted	0.2	6.5	0.26	0.25					B
7	*Betula nigra*	Approved Mit Plan	Planted	0.5	9	0.4	0.7					D
7	*Cornus florida*	Approved Mit Plan	Planted	2.3	9.9	0.1	0					I

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
8	*Quercus phellos*	Approved Mit Plan	Planted	9.5	0.6	0.52	0.65					S
8	*Betula nigra*	Approved Mit Plan	Planted	9.6	4.7	0.55	0.65					T
8	*Platanus occidentalis*	Approved Mit Plan	Planted	7.9	3.3	0.51	0.92					P
8	*Quercus rubra*	Approved Mit Plan	Planted	0.2	0.3	0.48	0.51					A
8	*Diospyros virginiana*	Approved Mit Plan	Planted	1.9	1.4	0.51	0.55					E
8	*Quercus rubra*	Approved Mit Plan	Planted	3.8	2.8	0.5	0.5					I
8	*Quercus lyrata*	Approved Mit Plan	Planted	5	3.6	0.35	0.65					M
8	*Quercus alba*	Approved Mit Plan	Planted	6	4.8	0.35	0.57					N
8	*Quercus phellos*	Approved Mit Plan	Planted	9	7.8	0.52	0.62					R
8	*Quercus phellos*	Approved Mit Plan	Planted	8.5	9.9	0.55	0.57					Q
8	*Quercus alba*	Approved Mit Plan	Planted	6.7	8.6	0.32	0.5					O
8	*Platanus occidentalis*	Approved Mit Plan	Planted	4.9	7.1	0.58	0.87					L
8	*Betula nigra*	Approved Mit Plan	Planted	3.6	6.1	0.41	0					H
8	*Betula nigra*	Approved Mit Plan	Planted	2.6	5.1	0.41	0.7					G
8	*Betula nigra*	Approved Mit Plan	Planted	1	3.7	0.42	0.67					C
8	*Quercus phellos*	Approved Mit Plan	Planted	0.6	5.8	0.58	0.56					B
8	*Quercus lyrata*	Approved Mit Plan	Planted	2.2	7.5	0.48	0.75					F
8	Quercus lyrata	Approved Mit Plan	Planted	4.3	9.5	0.4	0.48					K
8	*Platanus occidentalis*	Approved Mit Plan	Planted	1	8.7	0.45	0.7					D
8	*Quercus phellos*	Approved Mit Plan	Planted	4	8.3	0	0.75					J

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
9	*Liriodendron tulipifera*	Approved Mit Plan	Planted	0.2	0.2	0.55	1.2					A
9	*Cornus florida*	Approved Mit Plan	Planted	1.4	2.1	0.35	0.35					C
9	*Platanus occidentalis*	Approved Mit Plan	Planted	1.9	5.6	0.32	0.55					D
9	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	0.5	7.1	0.4	0.45					B
9	*Diospyros virginiana*	Approved Mit Plan	Planted	2.9	9.8	0.45	0					E
9	*Platanus occidentalis*	Approved Mit Plan	Planted	3.4	7.7	0.52	0.8					F
9	*Diospyros virginiana*	Approved Mit Plan	Planted	4	5.2	0.28	0.35					G
9	*Quercus rubra*	Approved Mit Plan	Planted	5.7	3.3	0.68	0.75					H
9	*Quercus rubra*	Approved Mit Plan	Planted	6.1	1.7	0.7	0.7					I
9	*Quercus rubra*	Approved Mit Plan	Planted	7	0.1	0.8	0.9					J
9	*Quercus phellos*	Approved Mit Plan	Planted	9.9	3.2	0.55	0.25					L
9	*Quercus phellos*	Approved Mit Plan	Planted	9.9	5.6	0.5	0.6					M
9	*Quercus alba*	Approved Mit Plan	Planted	9.9	7.4	0.7	0.8					N
9	*Quercus rubra*	Approved Mit Plan	Planted	8.8	9.3	0.6	0.7					K

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
10	*Quercus rubra*	Approved Mit Plan	Planted	0.3	0.3	0.57	0.6					A
10	*Betula nigra*	Approved Mit Plan	Planted	2.4	0.4	0.4	0.4					E
10	*Quercus rubra*	Approved Mit Plan	Planted	4.8	0.4	0.48	0.45					G
10	*Quercus rubra*	Approved Mit Plan	Planted	7.2	0.4	0.47	0.57					K
10	*Quercus lyrata*	Approved Mit Plan	Planted	9.7	0.5	0.4	0.4					M
10	*Quercus lyrata*	Approved Mit Plan	Planted	7	3	0.57	0.62					J
10	*Betula nigra*	Approved Mit Plan	Planted	5.5	2.9	0.39	0					H
10	*Quercus alba*	Approved Mit Plan	Planted	3.1	2.9	0.3	0.32					F
10	*Betula nigra*	Approved Mit Plan	Planted	0.8	3.1	0.45	0.6					C
10	*Platanus occidentalis*	Approved Mit Plan	Planted	0.5	6.8	0.45	0					B
10	*Fraxinus pennsylvanica*	Approved Mit Plan	Planted	2.1	6.8	0.42	0.65					D
10	*Quercus rubra*	Approved Mit Plan	Planted	5.7	6.8	0.52	0.55					I
10	*Platanus occidentalis*	Approved Mit Plan	Planted	7.8	6.8	0.5	0.7					L
10	*Platanus occidentalis*	Approved Mit Plan	Planted	9.8	6.8	0.48	1.22					N

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
11	*Liriodendron tulipifera*	Approved Mit Plan	Planted	0.2	0.3	0.5	0.6					A
11	*Platanus occidentalis*	Approved Mit Plan	Planted	0.2	3.4	0.5	0.6					B
11	*Liriodendron tulipifera*	Approved Mit Plan	Planted	0.5	6.5	0.5	1.1					D
11	*Platanus occidentalis*	Approved Mit Plan	Planted	0.2	9.7	0.49	0					C
11	*Liriodendron tulipifera*	Approved Mit Plan	Planted	1.5	8.5	0.5	0.6					E
11	*Quercus phellos*	Approved Mit Plan	Planted	5	8.3	0.45	0.8					I
11	*Quercus phellos*	Approved Mit Plan	Planted	4.2	6	0.47	0.5					H
11	*Diospyros virginiana*	Approved Mit Plan	Planted	3.9	3.9	0.3	0					G
11	*Diospyros virginiana*	Approved Mit Plan	Planted	2.9	1.6	0.4	0.5					F
11	*Platanus occidentalis*	Approved Mit Plan	Planted	5.3	1.6	0.32	0.5					J
11	*Quercus lyrata*	Approved Mit Plan	Planted	6.2	5	0.8	0.95					K
11	*Quercus alba*	Approved Mit Plan	Planted	7.3	7.3	0.9	1.1					L
11	*Quercus phellos*	Approved Mit Plan	Planted	8.1	9.4	0.81	1					N
11	*Quercus phellos*	Approved Mit Plan	Planted	9.9	6.2	0.48	0.6					P
11	Platanus occidentalis	Approved Mit Plan	Planted	8.4	4.2	0.42	0.5					O
11	*Platanus occidentalis*	Approved Mit Plan	Planted	7.6	1.5	0.61	0.8					M

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
12	*Diospyros virginiana*	Approved Mit Plan	Planted	0.3	0.3	0.5	0.7					A
12	*Platanus occidentalis*	Approved Mit Plan	Planted	0.5	1.2	0.4	0					B
12	*Quercus alba*	Approved Mit Plan	Planted	0.5	3.2	0.45	0.37					C
12	*Platanus occidentalis*	Approved Mit Plan	Planted	1.8	1.2	0.55	0.67					E
12	*Quercus phellos*	Approved Mit Plan	Planted	2.6	1.9	0.5	0					F
12	*Quercus rubra*	Approved Mit Plan	Planted	3	3	0.55	0.67					H
12	*Platanus occidentalis*	Approved Mit Plan	Planted	1	4.8	0.5	0.6					D
12	*Quercus rubra*	Approved Mit Plan	Planted	3.2	4.9	0.97	1					J
12	*Quercus rubra*	Approved Mit Plan	Planted	4.8	3.5	0.5	0.65					L
12	*Diospyros virginiana*	Approved Mit Plan	Planted	5.1	2.8	0.47	0					N
12	*Quercus alba*	Approved Mit Plan	Planted	5.8	1.6	0.4	0.3					P
12	*Quercus rubra*	Approved Mit Plan	Planted	6.5	1.1	0.71	0.8					T
12	*Quercus lyrata*	Approved Mit Plan	Planted	9.9	3.9	0.55	0.8					W
12	*Quercus rubra*	Approved Mit Plan	Planted	7.5	3.8	0.97	1.1					U
12	Diospyros virginiana	Approved Mit Plan	Planted	6.2	4.8	0.55	0.65					S
12	*Diospyros virginiana*	Approved Mit Plan	Planted	5.8	6.1	0.55	0.7					Q
12	*Quercus rubra*	Approved Mit Plan	Planted	5.3	6.6	0.47	0					O
12	*Quercus rubra*	Approved Mit Plan	Planted	6.1	7.7	0.92	1					R
12	*Quercus alba*	Approved Mit Plan	Planted	8.7	8.3	0.3	0.3					V
12	*Quercus rubra*	Approved Mit Plan	Planted	4.9	9.9	0.91	1					M
12	*Platanus occidentalis*	Approved Mit Plan	Planted	4.1	8.3	0.55	0.7					K
12	*Diospyros virginiana*	Approved Mit Plan	Planted	3.1	8.2	0.41	0					I
12	*Quercus lyrata*	Approved Mit Plan	Planted	2.9	9.7	0.5	0.6					G

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
13	*Quercus rubra*	Approved Mit Plan	Planted	0.4	0.3	0.5	0.5					A
13	*Platanus occidentalis*	Approved Mit Plan	Planted	2.1	0.2	0.28	0					D
13	*Platanus occidentalis*	Approved Mit Plan	Planted	4.2	0.2	0.45	0.5					I
13	*Platanus occidentalis*	Approved Mit Plan	Planted	6.1	0.2	0.25	0.2					N
13	*Platanus occidentalis*	Approved Mit Plan	Planted	8	0.1	0.57	0.75					R
13	*Betula nigra*	Approved Mit Plan	Planted	5.5	2.3	0.4	0					L
13	*Betula nigra*	Approved Mit Plan	Planted	2.8	2.7	0.35	0.25					F
13	*Liriodendron tulipifera*	Approved Mit Plan	Planted	0.8	2.7	0.42	0.42					B
13	*Liriodendron tulipifera*	Approved Mit Plan	Planted	3.6	4.6	0.45	0					H
13	*Betula nigra*	Approved Mit Plan	Planted	5.9	4.7	0.52	0.5					M
13	*Quercus rubra*	Approved Mit Plan	Planted	7	4.6	0.4	0.35					Q
13	*Platanus occidentalis*	Approved Mit Plan	Planted	9.3	6.6	0.6	1					T
13	*Platanus occidentalis*	Approved Mit Plan	Planted	6.8	6.6	0.52	0.7					P
13	*Quercus lyrata*	Approved Mit Plan	Planted	4.6	6.6	0.4	0.4					K
13	Quercus alba	Approved Mit Plan	Planted	2.8	6.6	0.38	0.55					G
13	*Liriodendron tulipifera*	Approved Mit Plan	Planted	1	6.6	0.3	0					C
13	*Quercus alba*	Approved Mit Plan	Planted	2.6	9	0.25	0.25					E
13	*Quercus alba*	Approved Mit Plan	Planted	4.3	9.1	0.25	0.2					J
13	*Platanus occidentalis*	Approved Mit Plan	Planted	6.4	9.1	0.42	0.55					O
13	*Diospyros virginiana*	Approved Mit Plan	Planted	8.4	9	0.45	0.5					S

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
14	*Quercus rubra*	Approved Mit Plan	Planted	6.6	1.1	0.78	0.95					L
14	*Betula nigra*	Approved Mit Plan	Planted	8.1	2.8	0.5	0.9					N
14	*Betula nigra*	Approved Mit Plan	Planted	9.8	4.3	0.48	0.55					Q
14	*Quercus lyrata*	Approved Mit Plan	Planted	8	5.6	0.61	0.9					O
14	*Quercus rubra*	Approved Mit Plan	Planted	6.3	3.9	0.45	0.65					K
14	*Quercus phellos*	Approved Mit Plan	Planted	0.3	0.3	0.62	0.7					A
14	*Quercus lyrata*	Approved Mit Plan	Planted	1.7	1.9	0.52	0.75					C
14	*Quercus rubra*	Approved Mit Plan	Planted	3	3.6	0.55	0.8					F
14	*Quercus rubra*	Approved Mit Plan	Planted	4.7	5.1	0.72	0.7					I
14	*Quercus alba*	Approved Mit Plan	Planted	7	7	0.35	0.5					M
14	*Quercus phellos*	Approved Mit Plan	Planted	9.4	9.3	0.5	0.5					P
14	*Quercus rubra*	Approved Mit Plan	Planted	4.6	9	0.48	0.65					J
14	*Quercus rubra*	Approved Mit Plan	Planted	4.2	7.7	0.5	0.9					H
14	*Quercus rubra*	Approved Mit Plan	Planted	3.5	7.5	0.58	0.9					G
14	Diospyros virginiana	Approved Mit Plan	Planted	2.1	6.1	0.51	1					E
14	*Diospyros virginiana*	Approved Mit Plan	Planted	0.8	4.7	0.6	0.9					B
14	*Quercus alba*	Approved Mit Plan	Planted	1.9	8.4	0.3	0.45					D

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
15	*Platanus occidentalis*	Approved Mit Plan	Planted	0.3	0.2	0.4	0.32					A
15	*Quercus phellos*	Approved Mit Plan	Planted	0.6	7.4	0.4	0					C
15	*Quercus alba*	Approved Mit Plan	Planted	0.5	8.5	0.3	0.3					B
15	*Liriodendron tulipifera*	Approved Mit Plan	Planted	2.4	9.8	0.45	0					D
15	*Diospyros virginiana*	Approved Mit Plan	Planted	2.7	7.8	0.4	0.5					E
15	*Liriodendron tulipifera*	Approved Mit Plan	Planted	4.1	6.5	0.56	0.25					H
15	*Betula nigra*	Approved Mit Plan	Planted	6	5.4	0.49	0					K
15	*Quercus lyrata*	Approved Mit Plan	Planted	4.7	4.5	0.81	0					J
15	*Betula nigra*	Approved Mit Plan	Planted	4.3	3.1	0.5	0.63					I
15	*Quercus rubra*	Approved Mit Plan	Planted	4.1	2.1	0.65	0.75					G
15	*Quercus rubra*	Approved Mit Plan	Planted	3.8	0.8	0.52	0.6					F
15	*Quercus rubra*	Approved Mit Plan	Planted	8.7	0.1	0.91	0.65					P
15	*Quercus rubra*	Approved Mit Plan	Planted	7.4	0.7	0.79	0.7					L
15	*Quercus rubra*	Approved Mit Plan	Planted	8.3	2	0.5	0.55					N
15	Platanus occidentalis	Approved Mit Plan	Planted	9.1	2.3	0.5	0.45					Q
15	*Quercus lyrata*	Approved Mit Plan	Planted	9.5	3.6	0.8	0.61					R
15	*Quercus alba*	Approved Mit Plan	Planted	9.5	6	0.5	0.7					S
15	*Quercus phellos*	Approved Mit Plan	Planted	8.2	6.7	0.42	0.5					O
15	*Quercus alba*	Approved Mit Plan	Planted	7.8	8.3	0.32	0.45					M
15	*Quercus phellos*	Approved Mit Plan	Planted	9.8	9.8	0.5	0.85					R

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
16	*Liriodendron tulipifera*	Approved Mit Plan	Planted	0.1	0.1	0.45	0.7					A
16	*Platanus occidentalis*	Approved Mit Plan	Planted	1.2	3.8	0.42	0.85					D
16	*Platanus occidentalis*	Approved Mit Plan	Planted	1.1	5.1	0.51	0.7					B
16	*Cornus florida*	Approved Mit Plan	Planted	1	7	0.58	0.8					C
16	*Platanus occidentalis*	Approved Mit Plan	Planted	2.2	9	0.6	0.7					E
16	*Quercus phellos*	Approved Mit Plan	Planted	2.9	6.9	0.6	0.7					F
16	*Quercus rubra*	Approved Mit Plan	Planted	3.4	5.1	0.7	1					G
16	*Platanus occidentalis*	Approved Mit Plan	Planted	3.7	3.1	0.55	0.7					H
16	*Quercus alba*	Approved Mit Plan	Planted	6.8	6.7	0.8	0.95					J
16	*Liriodendron tulipifera*	Approved Mit Plan	Planted	4.9	8.9	0.7	1.4					I
16	*Platanus occidentalis*	Approved Mit Plan	Planted	9	9.4	0.43	0.6					L
16	*Platanus occidentalis*	Approved Mit Plan	Planted	9.7	7.1	0.45	0.6					N
16	*Betula nigra*	Approved Mit Plan	Planted	9.8	5.6	0.38	0.5					O
16	*Quercus lyrata*	Approved Mit Plan	Planted	9	3.7	0.6	0.65					K
16	Quercus lyrata	Approved Mit Plan	Planted	9.7	2.2	0.58	0.75					M

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
17	*Betula nigra*	Approved Mit Plan	Planted	0.2	0.3	0.5	0.6					A
17	*Platanus occidentalis*	Approved Mit Plan	Planted	2.6	7.9	0.47	0.85					B
17	*Quercus lyrata*	Approved Mit Plan	Planted	3	9.2	0.6	0.8					C
17	*Quercus phellos*	Approved Mit Plan	Planted	4.8	9.9	0.5	0.6					H
17	*Platanus occidentalis*	Approved Mit Plan	Planted	4.9	9.3	0.51	0.7					G
17	*Quercus lyrata*	Approved Mit Plan	Planted	4.1	8.2	0.5	0.55					D
17	*Platanus occidentalis*	Approved Mit Plan	Planted	4.3	6.9	0.5	1					E
17	*Liriodendron tulipifera*	Approved Mit Plan	Planted	4.5	2.2	0.5	0.65					F
17	*Platanus occidentalis*	Approved Mit Plan	Planted	5.2	0.3	0.48	1.25					I
17	*Diospyros virginiana*	Approved Mit Plan	Planted	7.1	0.8	0.55	0.65					M
17	*Diospyros virginiana*	Approved Mit Plan	Planted	6.5	2.5	0.55	0.75					L
17	*Quercus rubra*	Approved Mit Plan	Planted	6	4.4	0.6	0.65					K
17	*Quercus rubra*	Approved Mit Plan	Planted	5.5	6	0.67	0.8					J

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
18	*Betula nigra*	Approved Mit Plan	Planted	0.2	0.3	0.4	0.55					A
18	*Quercus rubra*	Approved Mit Plan	Planted	0.3	4.2	0.58	0.7					B
18	*Betula nigra*	Approved Mit Plan	Planted	0.3	7.4	0.41	0.55					C
18	*Liriodendron tulipifera*	Approved Mit Plan	Planted	0.2	9.9	0.42	0.65					D
18	*Platanus occidentalis*	Approved Mit Plan	Planted	4.2	9.3	0.53	1.05					G
18	*Quercus lyrata*	Approved Mit Plan	Planted	5.6	9.3	0.49	0.65					J
18	*Quercus lyrata*	Approved Mit Plan	Planted	5.8	7.2	0.5	0.6					K
18	*Quercus phellos*	Approved Mit Plan	Planted	5.2	5	0.45	0.5					I
18	*Quercus rubra*	Approved Mit Plan	Planted	4.4	3	0.95	1.1					H
18	*Platanus occidentalis*	Approved Mit Plan	Planted	3.3	1.9	0.55	0.8					E
18	*Platanus occidentalis*	Approved Mit Plan	Planted	3.7	0.3	0.51	1					F
18	*Quercus phellos*	Approved Mit Plan	Planted	6.2	0.2	0.45	0.55					L
18	*Quercus phellos*	Approved Mit Plan	Planted	6.5	1.9	0.42	0.55					M
18	*Quercus rubra*	Approved Mit Plan	Planted	7	4.4	1.01	1.1					N
18	Quercus rubra	Approved Mit Plan	Planted	7.7	6.9	0.72	0.9					O
18	*Quercus rubra*	Approved Mit Plan	Planted	8.4	4.4	0.82	0.25					R
18	*Quercus rubra*	Approved Mit Plan	Planted	8.1	2.4	0.89	1.05					P
18	*Betula nigra*	Approved Mit Plan	Planted	8.2	0.5	0.45	0.55					Q

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
19	*Quercus rubra*	Approved Mit Plan	Planted	0.1	0.4	0.95	0.92					A
19	*Betula nigra*	Approved Mit Plan	Planted	0.1	1	0.45	0.3					B
19	*Quercus rubra*	Approved Mit Plan	Planted	0.1	4.6	0.35	0.5					C
19	*Quercus lyrata*	Approved Mit Plan	Planted	1.1	3.4	0.8	0.85					D
19	*Platanus occidentalis*	Approved Mit Plan	Planted	2.1	2	0.5	0.5					F
19	*Diospyros virginiana*	Approved Mit Plan	Planted	2.9	1	0.42	0					I
19	*Quercus rubra*	Approved Mit Plan	Planted	6.1	0.9	0.9	1.4					O
19	*Quercus phellos*	Approved Mit Plan	Planted	4.2	1.8	0.7	0					L
19	*Liriodendron tulipifera*	Approved Mit Plan	Planted	3.3	3.7	0.52	1.15					J
19	*Quercus phellos*	Approved Mit Plan	Planted	2.6	5.4	0.6	0					H
19	*Platanus occidentalis*	Approved Mit Plan	Planted	2.1	7.8	0.45	0.4					G
19	*Liriodendron tulipifera*	Approved Mit Plan	Planted	1.9	9.6	0.12	0					E
19	*Platanus occidentalis*	Approved Mit Plan	Planted	5.3	9.4	0.38	0					M
19	*Liriodendron tulipifera*	Approved Mit Plan	Planted	6	5.1	0.48	0.4					P
19	Quercus phellos	Approved Mit Plan	Planted	6.8	3.4	0.5	0.6					Q
19	*Quercus lyrata*	Approved Mit Plan	Planted	7.7	1.6	0.5	0.5					R
19	*Diospyros virginiana*	Approved Mit Plan	Planted	8.9	0.2	0.3	0					U
19	*Quercus lyrata*	Approved Mit Plan	Planted	9.9	1	0.45	0.6					V
19	*Quercus phellos*	Approved Mit Plan	Planted	8.7	4.9	0.52	0					T
19	*Diospyros virginiana*	Approved Mit Plan	Planted	8.4	7.1	0.3	0.32					S
19	*Quercus lyrata*	Approved Mit Plan	Planted	3.7	2.2	0	0.6					K
19	*Liriodendron tulipifera*	Approved Mit Plan	Planted	5.7	2.6	0	0.65					N

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
20	*Quercus lyrata*	Approved Mit Plan	Planted	0.1	0.1	0.37	0.55					A
20	*Quercus rubra*	Approved Mit Plan	Planted	2.5	0.1	0.51	0.65					D
20	*Quercus lyrata*	Approved Mit Plan	Planted	4.6	0.1	0.5	0.7					H
20	*Quercus lyrata*	Approved Mit Plan	Planted	7.5	0.3	0.57	0.55					M
20	*Quercus rubra*	Approved Mit Plan	Planted	9.1	0.5	0.6	0.7					O
20	*Diospyros virginiana*	Approved Mit Plan	Planted	8.7	2.4	0.6	0.7					N
20	*Quercus phellos*	Approved Mit Plan	Planted	6.1	2.3	0.5	0.7					K
20	*Quercus phellos*	Approved Mit Plan	Planted	4.6	2	0.3	0.7					I
20	*Betula nigra*	Approved Mit Plan	Planted	2.7	2	0.55	0					E
20	*Quercus alba*	Approved Mit Plan	Planted	0.4	1.9	0.25	0					B
20	*Platanus occidentalis*	Approved Mit Plan	Planted	0.6	4	0.2	0					C
20	*Quercus phellos*	Approved Mit Plan	Planted	3.5	4.5	0.67	0.95					F
20	*Platanus occidentalis*	Approved Mit Plan	Planted	5.8	5.5	0.58	0.9					J
20	*Quercus alba*	Approved Mit Plan	Planted	9.1	6	0.35	0					P
20	Diospyros virginiana	Approved Mit Plan	Planted	7.2	7.6	0.57	0.65					L
20	*Diospyros virginiana*	Approved Mit Plan	Planted	4.4	8.8	0.55	0.35					G

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
21	*Quercus rubra*	Approved Mit Plan	Planted	0.3	0.3	0.5	0.25					A
21	*Betula nigra*	Approved Mit Plan	Planted	0.8	2.7	0.2	0.35					C
21	*Quercus phellos*	Approved Mit Plan	Planted	2.8	1.5	0.37	0.55					F
21	*Diospyros virginiana*	Approved Mit Plan	Planted	4.8	0.7	0.28	0.35					K
21	*Quercus phellos*	Approved Mit Plan	Planted	6.9	0.3	0.35	0.55					N
21	*Diospyros virginiana*	Approved Mit Plan	Planted	9.2	1.8	0.15	0.1					S
21	*Quercus lyrata*	Approved Mit Plan	Planted	7.2	2.6	0.42	0.6					P
21	*Betula nigra*	Approved Mit Plan	Planted	5.1	3.3	0.5	0.8					L
21	*Quercus phellos*	Approved Mit Plan	Planted	2.9	4	0.5	0.6					G
21	*Quercus rubra*	Approved Mit Plan	Planted	1.3	6	0.52	0.5					D
21	*Quercus lyrata*	Approved Mit Plan	Planted	3.3	6.3	0.5	0.6					H
21	*Platanus occidentalis*	Approved Mit Plan	Planted	4.7	5.8	0.6	0.75					J
21	*Platanus occidentalis*	Approved Mit Plan	Planted	6.8	4.9	0.4	0.9					O
21	*Quercus lyrata*	Approved Mit Plan	Planted	8.8	4.1	0.5	0.8					R
21	Liriodendron tulipifera	Approved Mit Plan	Planted	8.6	8.1	0.5	1					Q
21	*Liriodendron tulipifera*	Approved Mit Plan	Planted	6.7	8.3	0.5	1.25					M
21	*Liriodendron tulipifera*	Approved Mit Plan	Planted	4.4	8.6	0.5	1.3					I
21	*Platanus occidentalis*	Approved Mit Plan	Planted	2.3	8.7	0.48	1.25					E
21	*Platanus occidentalis*	Approved Mit Plan	Planted	0.5	8.9	0.32	0.7					B
21	*Diospyros virginiana*	Approved Mit Plan	Planted	9.9	9.9	0.4	0.55					T

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
22	*Quercus rubra*	Approved Mit Plan	Planted	8.7	0.3	0.5	1.73					U
22	*Platanus occidentalis*	Approved Mit Plan	Planted	8.1	1.8	0.52	0.6					S
22	*Platanus occidentalis*	Approved Mit Plan	Planted	6.1	1.5	0.58	0.75					N
22	*Platanus occidentalis*	Approved Mit Plan	Planted	4.1	1.2	0.58	0.55					J
22	*Quercus lyrata*	Approved Mit Plan	Planted	2.3	0.7	0.55	0.8					F
22	*Platanus occidentalis*	Approved Mit Plan	Planted	0.3	0.1	0.6	0.7					A
22	*Platanus occidentalis*	Approved Mit Plan	Planted	7.5	3.7	0.38	0.5					Q
22	*Platanus occidentalis*	Approved Mit Plan	Planted	8.5	4.4	0.42	0.6					T
22	*Platanus occidentalis*	Approved Mit Plan	Planted	6.2	5.5	0.5	0.8					O
22	*Platanus occidentalis*	Approved Mit Plan	Planted	4.3	5	0.4	0.8					K
22	*Platanus occidentalis*	Approved Mit Plan	Planted	2.4	4.4	0.55	0.5					G
22	*Platanus occidentalis*	Approved Mit Plan	Planted	0.6	4.2	0.51	0.5					B
22	*Betula nigra*	Approved Mit Plan	Planted	1	5.8	0.23	0.75					C
22	*Betula nigra*	Approved Mit Plan	Planted	3.8	6.4	0.48	0.7					I
22	Betula nigra	Approved Mit Plan	Planted	4.4	7	0.39	0.7					L
22	*Diospyros virginiana*	Approved Mit Plan	Planted	5.6	7.5	0.28	0.45					M
22	*Betula nigra*	Approved Mit Plan	Planted	7.4	8.1	0.42	0.1					R
22	*Betula nigra*	Approved Mit Plan	Planted	9.1	8.6	0.48	0.8					V
22	*Quercus rubra*	Approved Mit Plan	Planted	7.1	9.7	0.42	0.4					P
22	*Liriodendron tulipifera*	Approved Mit Plan	Planted	2.4	8.6	0.31	0.45					H
22	*Betula nigra*	Approved Mit Plan	Planted	1	8.5	0.41	0					D
22	*Platanus occidentalis*	Approved Mit Plan	Planted	1	9.6	0.35	0.5					E

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
23	*Quercus alba*	Approved Mit Plan	Planted	0.1	0.2	0.58	0.75					A
23	*Platanus occidentalis*	Approved Mit Plan	Planted	0.1	2.6	0.38	0.5					B
23	*Quercus rubra*	Approved Mit Plan	Planted	0.3	4.7	0.45	0.6					C
23	*Quercus rubra*	Approved Mit Plan	Planted	0.2	6.7	0.6	0.65					D
23	*Platanus occidentalis*	Approved Mit Plan	Planted	1.8	7.1	0.48	0.9					G
23	*Platanus occidentalis*	Approved Mit Plan	Planted	1.9	5.1	0.5	0.6					F
23	*Platanus occidentalis*	Approved Mit Plan	Planted	1.8	2.2	0.49	0.9					E
23	*Quercus alba*	Approved Mit Plan	Planted	4.3	0.7	0.6	0.7					J
23	*Diospyros virginiana*	Approved Mit Plan	Planted	4.2	2.5	0.3	0					K
23	*Quercus rubra*	Approved Mit Plan	Planted	4.1	4.5	0.5	0.6					H
23	*Quercus lyrata*	Approved Mit Plan	Planted	4.1	6.9	0.5	0.65					I
23	*Quercus phellos*	Approved Mit Plan	Planted	6.1	7.9	0.5	0.5					M
23	*Quercus rubra*	Approved Mit Plan	Planted	6	6.3	0.7	0.85					L
23	*Quercus phellos*	Approved Mit Plan	Planted	6.2	3.9	0.54	0.6					O
23	Quercus alba	Approved Mit Plan	Planted	6.3	1.7	0.41	0.7					N
23	*Diospyros virginiana*	Approved Mit Plan	Planted	8.3	0.5	0.2	0.3					P
23	*Quercus rubra*	Approved Mit Plan	Planted	8.3	1.9	0.5	0.9					Q
23	*Quercus phellos*	Approved Mit Plan	Planted	8.4	3.8	0.6	0.7					S
23	*Quercus alba*	Approved Mit Plan	Planted	8.2	5.7	0.95	1					R
23	*Diospyros virginiana*	Approved Mit Plan	Planted	8.9	7.8	0.25	0.4					T
23	*Quercus alba*	Approved Mit Plan	Planted	8.8	9.2	0.95	1.2					U
23	*Quercus rubra*	Approved Mit Plan	Planted	9.6	4.2	0.55	0.8					V

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
24	*Quercus rubra*	Approved Mit Plan	Planted	0.4	0	0.5	0.65					B
24	*Liriodendron tulipifera*	Approved Mit Plan	Planted	1.1	2	0.3	0.45					C
24	*Quercus phellos*	Approved Mit Plan	Planted	2.4	0.7	0.45	0.7					G
24	*Quercus phellos*	Approved Mit Plan	Planted	5.2	0.8	0.4	0.55					L
24	*Betula nigra*	Approved Mit Plan	Planted	3.9	2.2	0.3	0.45					J
24	*Betula nigra*	Approved Mit Plan	Planted	2.7	4.8	0.15	0.32					H
24	*Betula nigra*	Approved Mit Plan	Planted	1.2	5.6	0.32	0.65					D
24	*Platanus occidentalis*	Approved Mit Plan	Planted	0.1	7.5	0.48	0.65					A
24	*Platanus occidentalis*	Approved Mit Plan	Planted	1.2	8.6	0.48	0.5					E
24	*Betula nigra*	Approved Mit Plan	Planted	2.3	7.1	0.45	0.75					F
24	*Quercus phellos*	Approved Mit Plan	Planted	3.6	5.6	0.35	0					I
24	*Diospyros virginiana*	Approved Mit Plan	Planted	5.2	3.7	0.15	0					M
24	*Quercus rubra*	Approved Mit Plan	Planted	6.5	2	0.4	0.55					O
24	*Platanus occidentalis*	Approved Mit Plan	Planted	7.9	0.7	0.3	0					S
24	Platanus occidentalis	Approved Mit Plan	Planted	8.8	2.4	0.42	0.55					U
24	*Platanus occidentalis*	Approved Mit Plan	Planted	7.7	3.9	0.41	0.2					R
24	*Quercus phellos*	Approved Mit Plan	Planted	6.5	5.8	0.42	0.5					P
24	*Platanus occidentalis*	Approved Mit Plan	Planted	5.2	7.5	0.4	0.55					N
24	*Platanus occidentalis*	Approved Mit Plan	Planted	3.8	9.3	0.45	0.7					K
24	*Quercus rubra*	Approved Mit Plan	Planted	7	8.8	0.5	0.75					Q
24	*Quercus rubra*	Approved Mit Plan	Planted	8.3	7	0.45	0.5					T
24	*Quercus alba*	Approved Mit Plan	Planted	9.3	5.5	0.12	0.3					V
24	*Betula nigra*	Approved Mit Plan	Planted	9.7	9.9	0.32	0.5					W

Plot ID	Scientific Name	Performance Standard Approval	Planted or Volunteer?	X Coordinate (m)	Y Coordinate (m)	MY0 Height	MY1 Height	MY2 Height	MY3 Height	MY5 Height	MY7 Height	Map_ID
25	*Quercus rubra*	Approved Mit Plan	Planted	0.2	0.3	0.49	0					A
25	*Quercus lyrata*	Approved Mit Plan	Planted	2.8	1.2	0.45	0.95					E
25	*Quercus rubra*	Approved Mit Plan	Planted	5.1	2.2	0.52	0.6					H
25	*Quercus rubra*	Approved Mit Plan	Planted	7.5	3.3	0.45	0					K
25	*Quercus lyrata*	Approved Mit Plan	Planted	9.9	4.3	0.55	0.7					O
25	*Quercus phellos*	Approved Mit Plan	Planted	9.7	9.5	0.5	0.6					N
25	*Quercus phellos*	Approved Mit Plan	Planted	8.5	7.4	0.36	0.6					M
25	*Quercus rubra*	Approved Mit Plan	Planted	6.3	5.5	0.5	0.6					J
25	*Platanus occidentalis*	Approved Mit Plan	Planted	4	4.4	0.42	0.53					G
25	*Quercus rubra*	Approved Mit Plan	Planted	1.9	3.6	0.58	0.95					B
25	*Quercus alba*	Approved Mit Plan	Planted	3.4	7.9	0.28	0.4					F
25	*Platanus occidentalis*	Approved Mit Plan	Planted	7.6	9.6	0.35	0.55					L
25	*Quercus phellos*	Approved Mit Plan	Planted	6	9.8	0.4	0.5					I
25	*Quercus alba*	Approved Mit Plan	Planted	2.1	9.7	0.35	0.5					D
25	Quercus phellos	Approved Mit Plan	Planted	1.9	8.4	0.42	0					C

Visual Vegetation Assessment

Planted acreage **30.6**

Vegetation Category	Definitions	Mapping Threshold	Combined Acreage	% of Planted Acreage
Bare Areas	Very limited cover of both woody and herbaceous material.	0.10 acres	0.00	0.0%
Low Stem Density Areas	Woody stem densities clearly below target levels based on current MY stem count criteria. *The acreage noted has been supplementally planted in December 2023	0.10 acres	2.26*	7.4%
	Total		2.26	7.4%
Areas of Poor Growth Rates	Planted areas where average height is not meeting current MY Performance Standard.	0.10 acres	0.00	0.0%
	Cumulative Total		2.26	7.4%

Easement Acreage **49.26**

Vegetation Category	Definitions	Mapping Threshold	Combined Acreage	% of Easement Acreage
Invasive Areas of Concern	Invasives may occur outside of planted areas and within the easement and will therefore be calculated against the total easement acreage. Include species with the potential to directly outcompete native, young, woody stems in the short-term or community structure for existing communities. Species included in summation above should be identified in report summary. **The acreage noted is the area that has been treated in 2023 and will continue to be treated as needed. The invasives acerage had varying degrees of densities through out.	0.10 acres	27.87**	56.6%
Easement Encroachment Areas	Encroachment may be point, line, or polygon. Encroachment to be mapped consists of any violation of restrictions specified in the conservation easement. Common encroachments are mowing, cattle access, vehicular access. Encroachment has no threshold value as will need to be addressed regardless of impact area. ***The encroachments noted have been supplemental planted and/or extra signage has been put up in 2023	none	11 Encroachments noted***	

Plot (continued): 103271-01-0001					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0001

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 20

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
RM	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
1	Diospyros virginiana	y	R	9.9	0.4	50.0		☐	57		☐	3		
2	Quercus rubra	w	R	8.6	2.2	35.0		☐	40		☐	3		
3	Quercus rubra	r	R	6.7	0.8	55.0		☐	67		☐	3		
4	Platanus occidentalis	i	R	3.4	0.4	45.0		☐	160	0.2	☐	4		
5	Quercus lyrata	n	R	4.9	1.7	50.0		☐	72		☐	3		
6	Betula nigra	s	R	6.7	2.9	35.0		☐	73		☐	3		
7	Betula nigra	v	R	8.2	4.5	40.0		☐	91		☐	3		
8	Quercus phellos	z	R	9.8	5.9	42.0		☐	80		☐	3		
9	Platanus occidentalis	x	R	9.1	7.0	52.0		☐	112		☐	3		
10	Betula nigra	u	R	7.6	6.3	40.0		☐	30		☐	3		
11	Betula nigra	q	R	5.8	5.0	38.0		☐	60		☐	3		
12	Betula nigra	m	R	4.7	3.9	48.0		☐	82		☐	3		
13	Betula nigra	j	R	3.2	2.7	51.0		☐	92		☐	3		
14	Betula nigra	e	R	1.5	1.5	40.0		☐	90		☐	3		
15	Betula nigra	a	R	0.2	0.3	47.0		☐	115		☐	4		
16	Quercus alba	b	R	0.2	2.9	10.0		☐	45		☐	3		
17	Quercus alba	g	R	2.0	4.5	20.0		☐	29		☐	3		
18	Quercus lyrata	l	R	3.7	6.0	38.0		☐	42		☐	3		
19	Betula nigra	p	R	5.4	7.2	20.0		☐	m		☐	m		
20	Quercus alba	t	R	7.1	8.6	28.0		☐	30		☐	3		
21	Quercus alba	o	R	5.3	9.4	35.0		☐	50		☐	3		
22	Quercus alba	k	R	3.5	8.2	27.0		☐	50		☐	3		
23	Quercus rubra	f	R	1.9	6.9	39.0		☐	43		☐	3		
24	Quercus lyrata	c	R	0.4	5.6	45.0		☐	51		☐	3		
25	Betula nigra	d	R	0.7	8.5	46.0		☐	90		☐	3		
26	Quercus phellos	h	R	2.4	9.8	48.0		☐	50		☐	3		

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0001					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage* Notes

 # stems: 26 New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES				SAPLINGS — DBH			TREES — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

Form WS2, ver 9.1

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

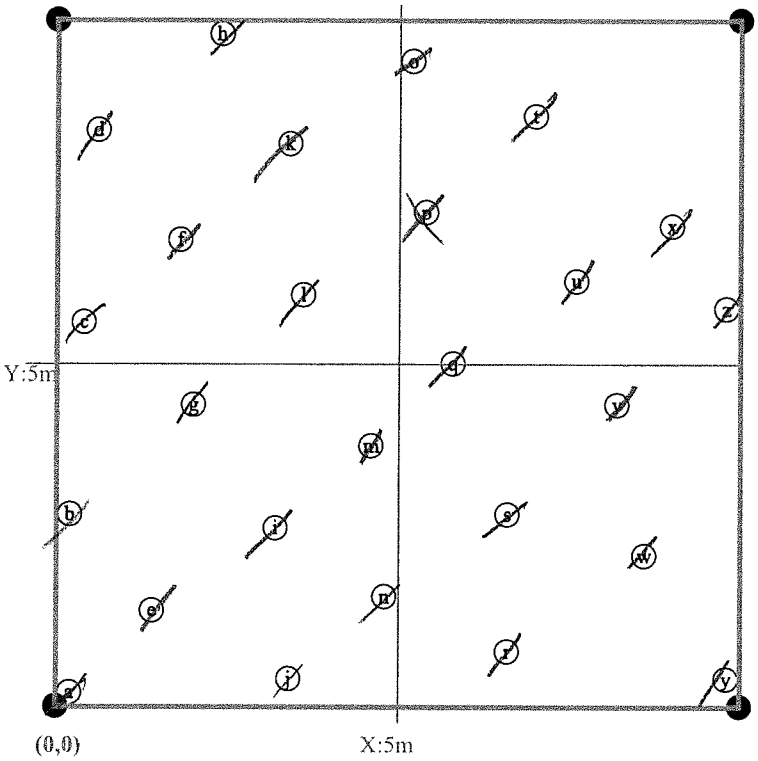
*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Map of stems on plot 103271-01-0001

X-axis: 20°

N

 # stems: 26
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Printed in the CVS-EEP Entry Tool ver. 2.3.1

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0002

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 290

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
RM	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
27	Quercus rubra	a	R	0.5	0.1	50.0		☐	50		☐	3		
28	Quercus alba	b	R	0.6	2.2	20.0		☐	21		☐	3		
29	Quercus rubra	c	R	0.8	4.2	47.0		☐	50		☐	3		
30	Fraxinus pennsylvanica	e	R	0.9	6.3	20.0		☐	51		☐	3		
31	Quercus alba	d	R	0.9	5.3	21.0		☐	22		☐	3		
32	Quercus alba	h	R	2.3	9.8	23.0		☐	22		☐	3		
33	Quercus rubra	g	R	2.3	7.4	52.0		☐	62		☐	3		
34	Quercus lyrata	f	R	2.3	4.6	40.0		☐	42		☐	3		
35	Betula nigra	i	R	2.4	1.8	25.0		☐	43		☐	3		
36	Liriodendron tulipifera	j	R	4.2	1.0	10.0		☐	22		☐	3		
37	Quercus lyrata	l	R	4.4	4.0	42.0		☐	42		☐	3		
38	Fraxinus pennsylvanica	k	R	4.2	6.9	30.0		☐	43		☐	3		
39	Fraxinus pennsylvanica	m	R	4.8	9.4	29.0		☐	65		☐	3		
40	Quercus rubra	q	R	6.8	9.5	48.0		☐	50		☐	3		
41	Platanus occidentalis	p	R	6.6	7.0	40.0		☐	65		☐	3		
42	Platanus occidentalis	o	R	6.3	3.6	50.0		☐	90		☐	3		
43	Platanus occidentalis	n	R	6.1	0.7	43.0		☐	82		☐	3		
44	Betula nigra	r	R	8.1	0.6	47.0		☐	61		☐	3		
45	Platanus occidentalis	s	R	8.3	2.8	50.0		☐	85		☐	3		
46	Platanus occidentalis	t	R	8.5	5.1	50.0		☐	110		☐	4		
47	Fraxinus pennsylvanica	u	R	8.7	7.6	41.0		☐	35		☐	3		
48	Quercus alba	v	R	8.9	9.6	29.0		☐	32		☐	3		

 # stems: 22

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0002					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES				SAPLINGS — DBH			TREES — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

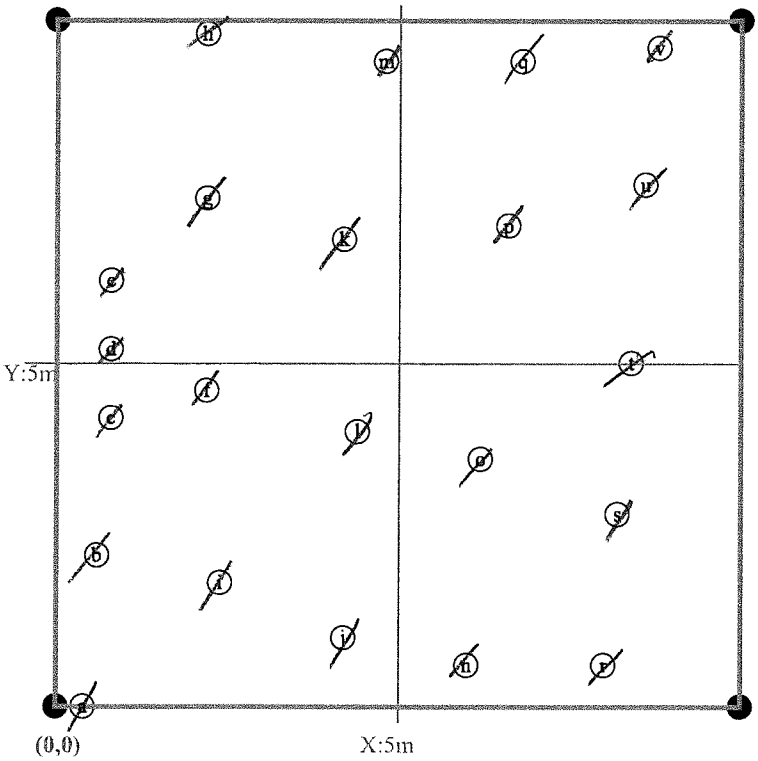
Form WS2, ver 9.1

Map of stems on plot 103271-01-0002

X-axis: 290 °

 # stems: 22
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0003

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 195

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
pm	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
49	Betula nigra	a	R	0.2	0.3	25.0		☐	25		☐	3		
50	Quercus rubra	h	R	2.5	0.5	70.0		☐	65		☐	3		
51	Quercus phellos	e	R	1.7	2.1	48.0		☐	48		☐	3		
52	Quercus phellos	c	R	0.9	3.8	48.0		☐	46		☐	3		
53	Quercus lyrata	b	R	0.4	5.5	66.0		☐	70		☐	3		
54	Diospyros virginiana	d	R	0.9	8.2	55.0		☐	52		☐	3		
55	Cornus florida	f	R	2.0	6.2	20.0		☐	22		☒	3		
56	Quercus rubra	i	R	2.7	4.3	35.0		☐	40		☐	3		
57	Cornus florida	k	R	3.8	2.4	20.0		☐	22		☐	3		
58	Quercus phellos	n	R	5.0	0.2	45.0		☐	55		☐	3		
59	Quercus rubra	q	R	6.2	2.3	47.0		☐	45		☐	3		
60	Diospyros virginiana	o	R	5.2	4.1	45.0		☐	46		☐	3		
61	Platanus occidentalis	l	R	4.1	5.9	45.0		☐	73		☐	3		
62	Platanus occidentalis	j	R	3.1	7.5	50.0		☐	55		☐	3		
63	Diospyros virginiana	g	R	2.3	9.3	66.0		☐	62		☐	3		
64	Platanus occidentalis	m	R	4.9	8.9	52.0		☐	62		☐	3		
65	Platanus occidentalis	p	R	5.9	6.9	45.0		☐	105		☐	4		
66	Fraxinus pennsylvanica	r	R	6.8	5.0	40.0		☐	52		☐	3		
67	Diospyros virginiana	t	R	7.7	2.9	42.0		☐	55		☐	3		
68	Diospyros virginiana	v	R	8.6	1.0	60.0		☐	60		☐	3		
69	Betula nigra	y	R	9.4	3.9	40.0		☐	90		☐	3		
70	Betula nigra	w	R	8.8	5.7	46.0		☐	45		☐	3		
71	Betula nigra	u	R	7.8	7.0	50.0		☐	50		☐	3		
72	Quercus rubra	s	R	6.9	8.6	47.0		☐	M		☐	M		
73	Platanus occidentalis	x	R	9.2	9.1	48.0		☐	77		☐	3		

 # stems: 25

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Printed in the CVS-EEP Entry Tool ver. 2.3.1

Plot (continued): 103271-01-0003					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES				SAPLINGS — DBH			TREES — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

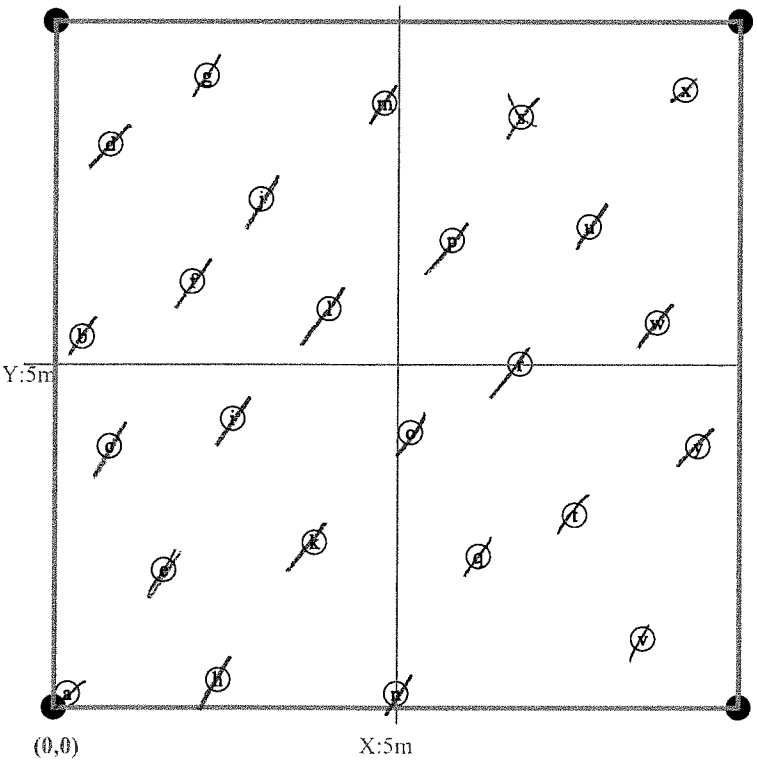
Form WS2, ver 9.1

Map of stems on plot 103271-01-0003

X-axis: 195 °

N

 # stems: 25
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Printed in the CVS-EEP Entry Tool ver. 2.3.1

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0004

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 350

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
PM	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
74	Fraxinus pennsylvanica	v	R	8.7	0.7	40.0		☐	50		☐	3		
75	Quercus phellos	u	R	8.4	2.3	56.0		☐	62		☐	3		
76	Quercus rubra	p	R	6.6	1.6	23.0		☐	28		☐	3		
77	Cornus florida	n	R	5.5	1.4	22.0		☐	20		☐	3		
78	Cornus florida	f	R	2.4	0.7	10.0		☐	13		☐	3		
79	Quercus alba	a	R	0.4	0.3	45.0		☐	49		☐	3		
80	Quercus alba	g	R	2.5	2.2	20.0		☐	25		☐	3		
81	Platanus occidentalis	k	R	4.6	3.0	48.0		☐	100		☐	4		
82	Platanus occidentalis	q	R	6.6	3.6	50.0		☐	75		☐	3		
83	Quercus alba	w	R	8.7	4.5	32.0		☐	35		☐	3		
84	Quercus phellos	y	R	9.9	7.1	50.0		☐	51		☐	3		
85	Diospyros virginiana	x	R	8.6	6.2	63.0		☐	60		☐	3		
86	Quercus phellos	r	R	7.0	5.7	58.0		☐	56		☐	3		
87	Diospyros virginiana	m	R	5.3	5.2	54.0		☐	60		☐	3		
88	Diospyros virginiana	j	R	3.5	4.7	52.0		☐	52		☐	3		
89	Fraxinus pennsylvanica	e	R	1.7	4.0	48.0		☐	60		☐	3		
90	Quercus rubra	b	R	0.7	5.6	36.0		☐	40		☐	3		
91	Quercus phellos	h	R	2.6	6.4	55.0		☐	52		☐	3		
92	Quercus lyrata	l	R	5.0	7.4	45.0		☐	41		☐	3		
93	Quercus phellos	t	R	7.7	8.4	30.0		☐	30		☐	3		
94	Fraxinus pennsylvanica	s	R	7.5	9.8	40.0		☐	57		☐	3		
95	Cornus florida	o	R	5.4	9.1	42.0		☐	40		☐	3		
96	Cornus florida	i	R	3.3	8.3	20.0		☐	m		☐	m		
97	Cornus florida	c	R	1.2	7.7	46.0		☐	m		☐	m		
98	Quercus alba	d	R	1.4	9.6	20.0		☐	m		☐	m		

 # stems: 25

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0004					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage* Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes				Saplings — DBH			Trees — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)

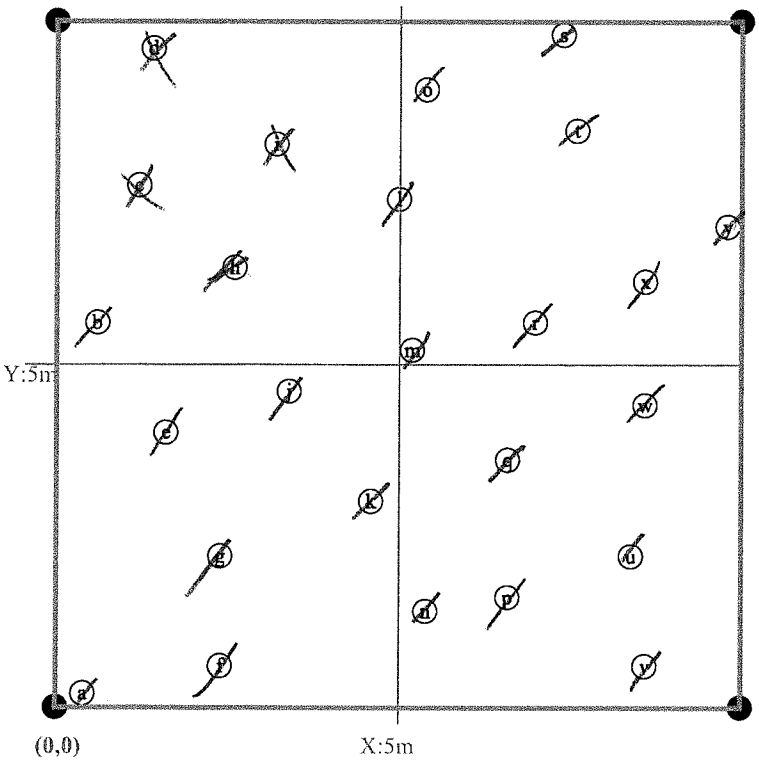
**Required if cut-off >10cm or subsample ? 100%. ●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10 Form WS2, ver 9.1

Map of stems on plot 103271-01-0004

X-axis: 350°

stems: 25
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0005

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 70

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
PM	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
99	Quercus phellos	a	R	0.5	0.1	48.0		☐	53		☐	3		
100	Quercus rubra	e	R	2.7	0.1	25.0		☐	32		☐	3		
101	Quercus rubra	d	R	2.3	2.5	40.0		☐	47		☐	3		
102	Platanus occidentalis	c	R	1.5	5.1	50.0		☐	75		☐	3		
103	Fraxinus pennsylvanica	b	R	0.8	7.8	35.0		☐	35		☐	3		
104	Betula nigra	f	R	2.8	8.1	50.0		☐	62		☐	3		
105	Diospyros virginiana	g	R	3.4	5.7	50.0		☐	60		☐	3		
106	Diospyros virginiana	h	R	3.8	3.6	52.0		☐	53		☐	3		
107	Betula nigra	i	R	4.4	1.2	50.0		☐	80		☐	3		
108	Quercus alba	m	R	6.6	1.5	20.0		☐	5		☒	2		
109	Quercus lyrata	l	R	5.9	4.1	40.0		☐	50		☐	3		
110	Betula nigra	k	R	5.3	6.3	40.0		☐	30		☐	3		
111	Betula nigra	j	R	4.7	8.6	42.0		☐	75		☐	3		
112	Quercus rubra	n	R	7.0	9.1	48.0		☐	50		☐	3		
113	Quercus alba	o	R	7.6	6.9	20.0		☐	20		☐	3		
114	Quercus phellos	p	R	8.0	4.6	40.0		☐	40		☐	3		
115	Quercus lyrata	q	R	8.4	2.2	45.0		☐	45		☐	3		
116	Quercus alba	r	R	8.9	0.2	30.0		☐	41		☐	3		
117	Quercus phellos	s	R	9.6	9.7	75.0		☐	82		☐	3		

 # stems: 19

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0005

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data: ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA: ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ?100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

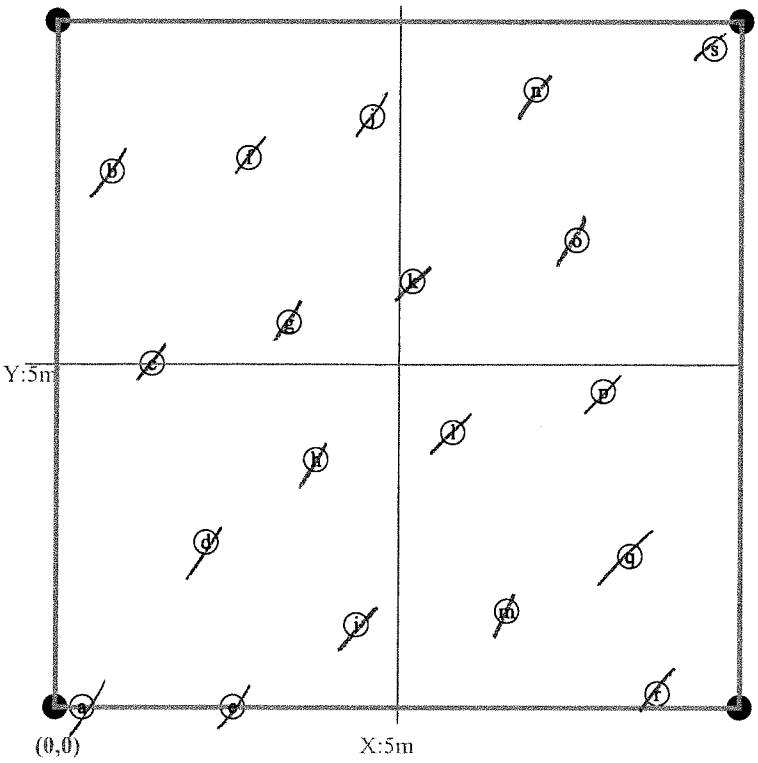
Form WS2, ver 9.1

Map of stems on plot 103271-01-0005

→ X-axis: 70°

N

 # stems: 19
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0006

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 315

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
RVM	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
118	Platanus occidentalis	a	R	0.3	0.3	40.0		☐	40		☐	3		
119	Betula nigra	g	R	2.9	0.3	51.0		☐	50		☐	3		
120	Cornus florida	d	R	1.4	2.5	20.0		☐	15		☐	2	deer	
121	Quercus rubra	e	R	1.5	2.8	58.0		☐	60		☐	3	deer	
122	Fraxinus pennsylvanica	c	R	1.2	5.7	32.0		☐	55		☐	3		
123	Quercus phellos	h	R	2.8	5.0	63.0		☐	55		☐	3		
124	Diospyros virginiana	l	R	6.1	2.7	52.0		☐	60		☐	3		
125	Quercus rubra	p	R	8.9	0.2	48.0		☐	50		☐	3		
126	Quercus rubra	o	R	8.0	2.4	53.0		☐	53		☐	3		
127	Betula nigra	n	R	7.8	4.3	62.0		☐	m		☐	m		
128	Quercus lyrata	j	R	5.1	5.2	57.0		☐	57		☐	3		
129	Quercus alba	i	R	3.9	7.5	55.0		☐	62		☐	3		
130	Quercus phellos	f	R	2.6	9.2	53.0		☐	m		☐	m		
131	Quercus rubra	b	R	0.9	9.9	55.0		☐	53		☒	3		
132	Platanus occidentalis	k	R	5.3	9.7	51.0		☐	47		☐	3		
133	Quercus alba	m	R	6.0	7.4	25.0		☐	31		☐	3		
134	Diospyros virginiana	q	R	9.0	9.7	43.0		☐	42		☐	3		

 # stems: 17

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0006

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Saplings — DBH: Sub-Sapl	0-1 cm	1-2.5	Trees — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

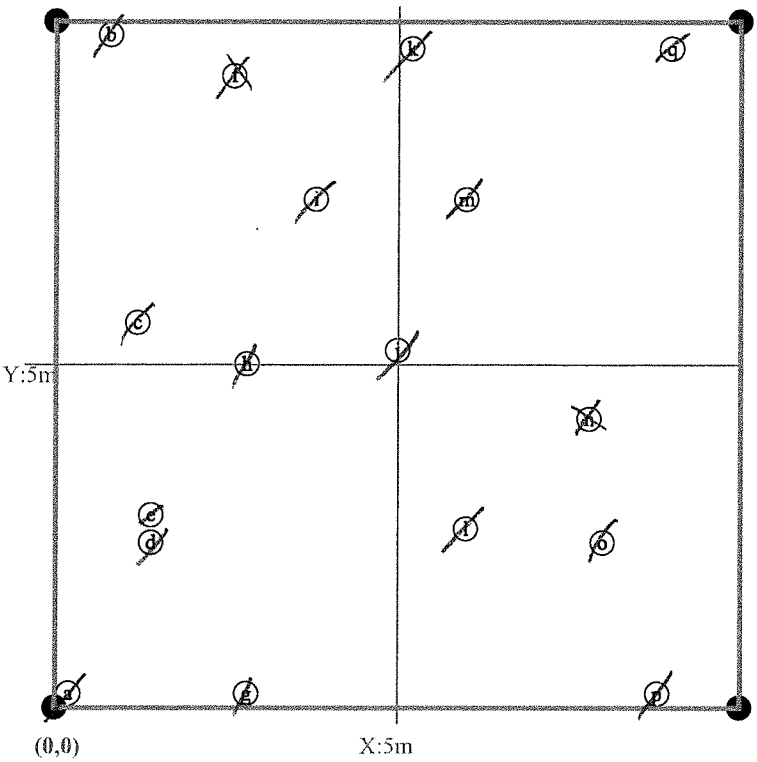
Form WS2, ver 9.1

Map of stems on plot 103271-01-0006

→ X-axis: 315°

 # stems: 17
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0007

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 210

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
RM	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
135	Quercus phellos	c	R	0.4	0.3	70.0		☐	62		☐	3		
136	Quercus alba	g	R	2.1	1.0	33.0		☐	40		☐	3		
137	Quercus phellos	l	R	4.2	1.9	63.0		☐	60		☐	3		
138	Quercus lyrata	p	R	6.1	2.7	48.0		☐	50		☐	3		
139	Quercus phellos	r	R	7.7	3.5	55.0		☐	55		☐	3		
140	Quercus lyrata	v	R	9.6	4.8	55.0		☐	65		☐	3		
141	Betula nigra	u	R	9.5	6.8	40.0		☐	60		☐	3		
142	Betula nigra	s	R	7.8	5.8	53.0		☐	55		☐	3		
143	Betula nigra	n	R	5.3	4.7	41.0		☐	68		☐	3		
144	Platanus occidentalis	j	R	3.4	3.6	46.0		☐	55		☐	3		
145	Betula nigra	e	R	1.2	2.7	41.0		☐	67		☐	3		
146	Platanus occidentalis	a	R	0.3	4.7	50.0		☐	83		☐	3		
147	Betula nigra	h	R	2.1	5.6	46.0		☐	62		☐	3		
148	Liriodendron tulipifera	m	R	4.3	6.8	48.0		☐	56		☐	3		
149	Liriodendron tulipifera	q	R	6.2	8.1	42.0		☐	35		☐	3		
150	Diospyros virginiana	t	R	8.1	8.8	65.0		☐	60		☐	3		
151	Betula nigra	o	R	5.9	9.3	45.0		☐	90		☐	3		
152	Betula nigra	k	R	3.9	8.7	26.0		☐	56		☐	3		
153	Betula nigra	f	R	1.8	7.5	50.0		☐	72		☐	3		
154	Betula nigra	b	R	0.2	6.5	26.0		☐	25		☐	3		
155	Betula nigra	d	R	0.5	9.0	40.0		☐	70		☐	3		
156	Cornus florida	i	R	2.3	9.9	10.0		☐	M		☐	M		

 # stems: 22

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0007

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

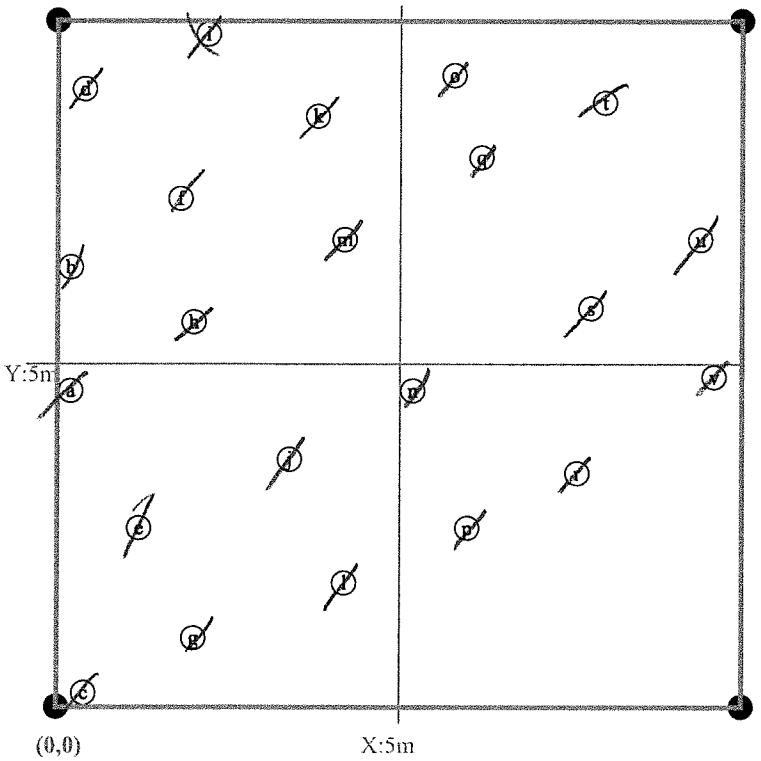
**Required if cut-off >10cm or subsample ? 100%. ●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10 Form WS2, ver 9.1

Map of stems on plot 103271-01-0007

→ X-axis: 210°

 # stems: 22
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0008

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 225

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
RM	
JD	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
157	Quercus phellos	r	R	9.5	0.6	52.0		☐	65		☐	3		
158	Betula nigra	s	R	9.6	4.7	55.0		☐	65		☐	3		
159	Platanus occidentalis	o	R	7.9	3.3	51.0		☐	92		☐	4		
160	Quercus rubra	a	R	0.2	0.3	48.0		☐	51		☐	3		
161	Diospyros virginiana	e	R	1.9	1.4	51.0		☐	55		☐	3		
162	Quercus rubra	i	R	3.8	2.8	50.0		☐	50		☐	3		
163	Quercus lyrata	l	R	5.0	3.6	35.0		☐	65		☐	3		
164	Quercus alba	m	R	6.0	4.8	35.0		☐	57		☐	3		
165	Quercus phellos	q	R	9.0	7.8	52.0		☐	62		☐	3		
166	Quercus phellos	p	R	8.5	9.9	55.0		☐	57		☐	3		
167	Quercus alba	n	R	6.7	8.6	32.0		☐	50		☐	3		
168	Platanus occidentalis	k	R	4.9	7.1	58.0		☐	87		☐	3		
169	Betula nigra	h	R	3.6	6.1	41.0		☐	M		☐	M		
170	Betula nigra	g	R	2.6	5.1	41.0		☐	70		☐	3		
171	Betula nigra	c	R	1.0	3.7	42.0		☐	67		☐	3		
172	Quercus phellos	b	R	0.6	5.8	58.0		☐	56		☐	3		
173	Quercus lyrata	f	R	2.2	7.5	48.0		☐	75		☐	3		
174	Quercus lyrata	j	R	4.3	9.5	40.0		☐	48		☐	3		
175	Platanus occidentalis	d	R	1.0	8.7	45.0		☐	70		☐	3		

 # stems: 19

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes
1 Oak				75		3		

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0008

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data: ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA: ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

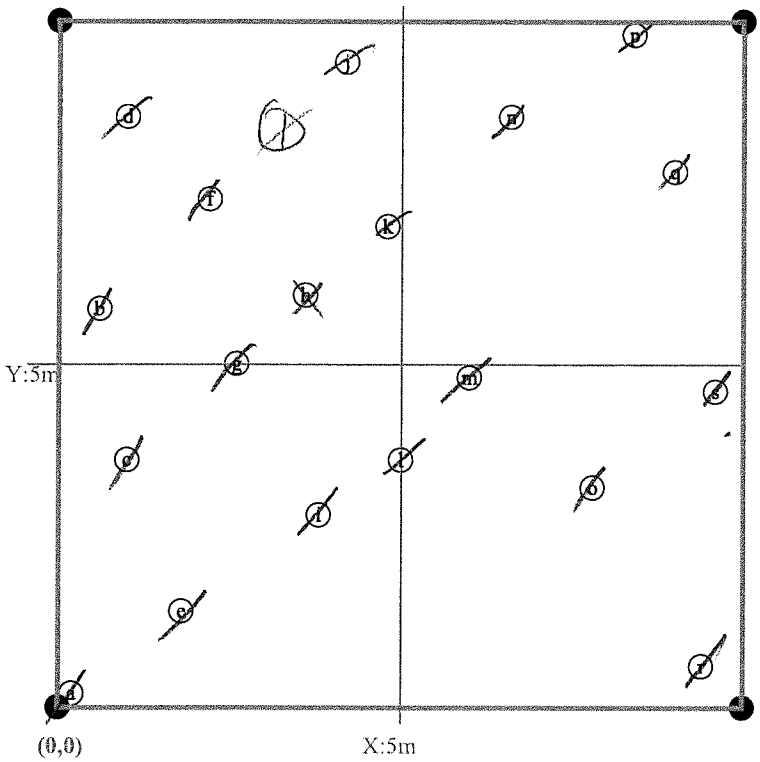
Form WS2, ver 9.1

Map of stems on plot 103271-01-0008

X-axis: 225°

 # stems: 19
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0009

VMD Year (1-5): 1 Date: 12/20/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 290

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
176	Liriodendron tulipifera	a	R	0.2	0.2	55.0		☐	120		☐	3		
177	Cornus florida	c	R	1.4	2.1	35.0		☐	35		☐	1		
178	Platanus occidentalis	d	R	1.9	5.6	32.0		☐	55		☐	3		
179	Fraxinus pennsylvanica	b	R	0.5	7.1	40.0		☐	45		☐	3		
180	Diospyros virginiana	e	R	2.9	9.8	45.0		☐	X		☐	M		
181	Platanus occidentalis	f	R	3.4	7.7	52.0		☐	80		☐	3		
182	Diospyros virginiana	g	R	4.0	5.2	28.0		☐	35		☐	3		
183	Quercus rubra	h	R	5.7	3.3	68.0		☐	75		☐	3		
184	Quercus rubra	i	R	6.1	1.7	70.0		☐	70		☐	2		
185	Quercus rubra	j	R	7.0	0.1	80.0		☐	90		☐	3		
186	Quercus phellos	l	R	9.9	3.2	55.0		☐	25		☒	2		
187	Quercus phellos	m	R	9.9	5.6	50.0		☐	60		☐	3		
188	Quercus alba	n	R	9.9	7.4	70.0		☐	80		☐	3		
189	Quercus rubra	k	R	8.8	9.3	60.0		☐	70		☐	3		

 # stems: 14

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0009

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Apr 2023 Data Height (cm)	Apr 2023 Data DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	THIS YEAR'S DATA Height (cm)	THIS YEAR'S DATA DBH (cm)	THIS YEAR'S DATA Re-sprout	THIS YEAR'S DATA Vigor*	THIS YEAR'S DATA Damage*	THIS YEAR'S DATA Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

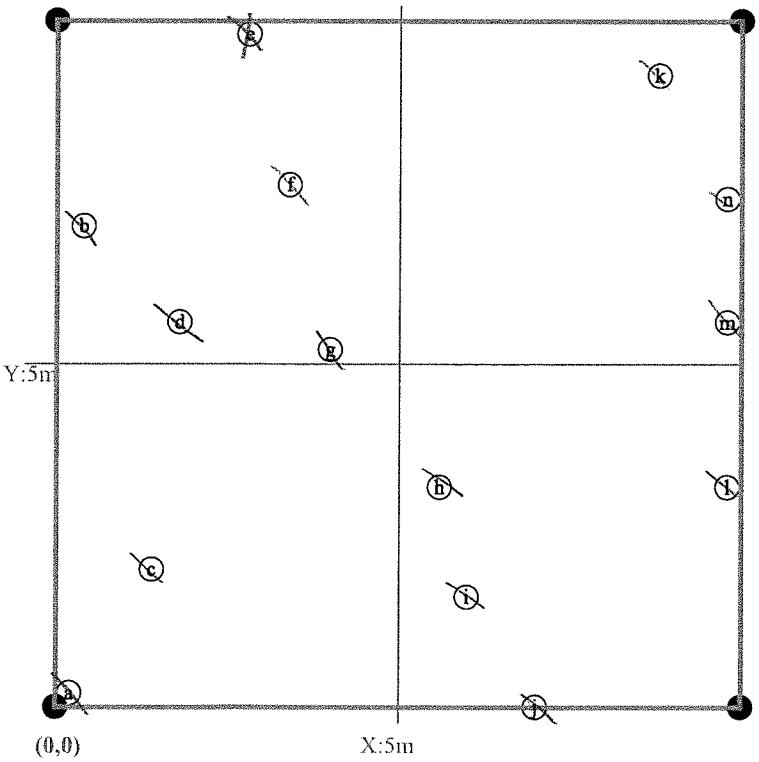
Form WS2, ver 9.1

Map of stems on plot 103271-01-0009

X-axis: 290°

 # stems: 14
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0010

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 125

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
EM	
JO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
190	Quercus rubra	a	R	0.3	0.3	57.0		☐	60		X	3		
191	Betula nigra	e	R	2.4	0.4	40.0		☐	40		☐	3		
192	Quercus rubra	g	R	4.8	0.4	48.0		☐	45		☐	3		
193	Quercus rubra	k	R	7.2	0.4	47.0		☐	57		☐	3		
194	Quercus lyrata	m	R	9.7	0.5	40.0		☐	40		☐	3		
195	Quercus lyrata	j	R	7.0	3.0	57.0		☐	62		☐	3		
196	Betula nigra	h	R	5.5	2.9	39.0		☐	m		☐	m		
197	Quercus alba	f	R	3.1	2.9	30.0		☐	32		☐	3		
198	Betula nigra	c	R	0.8	3.1	45.0		☐	60		☐	3		
199	Platanus occidentalis	b	R	0.5	6.8	45.0		☐	m		☐	m		
200	Fraxinus pennsylvanica	d	R	2.1	6.8	42.0		☐	65		☐	3		
201	Quercus rubra	i	R	5.7	6.8	52.0		☐	55		☐	3		
202	Platanus occidentalis	l	R	7.8	6.8	50.0		☐	70		☐	3		
203	Platanus occidentalis	n	R	9.8	6.8	48.0		☐	122		☐	4		

 # stems: *14*

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0010					Apr 2023 Data				THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)	Notes*	ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

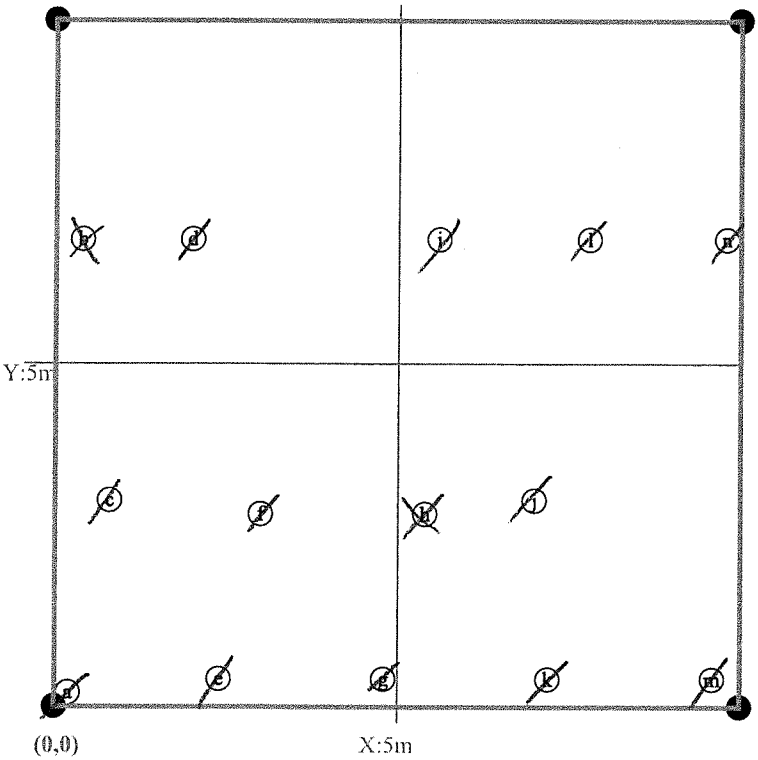
Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES				SAPLINGS — DBH			TREES — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%. ●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10 Form WS2, ver 9.1

Map of stems on plot 103271-01-0010

X-axis: 125 ° N

 # stems: 14
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0011

VMD Year (1-5): 1 Date: 12/20/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 250

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
204	Liriodendron tulipifera	a	R	0.2	0.3	50.0		☐	60		☐	3		
205	Platanus occidentalis	b	R	0.2	3.4	50.0		☐	60		☐	3		
206	Liriodendron tulipifera	d	R	0.5	6.5	50.0		☐	110		☐	3		
207	Platanus occidentalis	c	R	0.2	9.7	49.0		☐	X		☐	M		
208	Liriodendron tulipifera	e	R	1.5	8.5	50.0		☐	60		☐	3		
209	Quercus phellos	i	R	5.0	8.3	45.0		☐	80		☐	3		
210	Quercus phellos	h	R	4.2	6.0	47.0		☐	50		☐	3		
211	Diospyros virginiana	g	R	3.9	3.9	30.0		☐	X		☐	M		
212	Diospyros virginiana	f	R	2.9	1.6	40.0		☐	50		☐	3		
213	Platanus occidentalis	j	R	5.3	1.6	32.0		☐	50		☐	3		
214	Quercus lyrata	k	R	6.2	5.0	80.0		☐	95		☐	3		
215	Quercus alba	l	R	7.3	7.3	90.0		☐	110		☐	3		
216	Quercus phellos	n	R	8.1	9.4	81.0		☐	100		☐	3		
217	Quercus phellos	p	R	9.9	6.2	48.0		☐	60		☐	3		
218	Platanus occidentalis	o	R	8.4	4.2	42.0		☐	50		☐	3		
219	Platanus occidentalis	m	R	7.6	1.5	61.0		☐	80		☐	3		

 # stems: 16

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0011

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data: ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA: ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Saplings — DBH: Sub-Sapl	0-1 cm	1-2.5	Trees — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

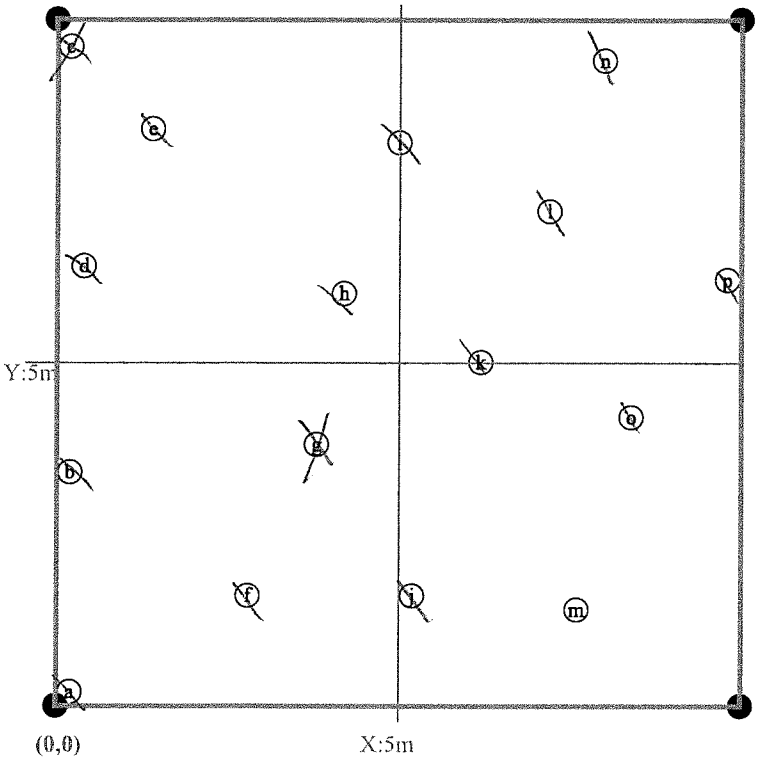
Form WS2, ver 9.1

Map of stems on plot 103271-01-0011

X-axis: 250 °

 # stems: 16
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0012

VMD Year (1-5): 1 Date: 12 / 20 / 23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 340

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes: TOH Small stems

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
220	Diospyros virginiana	a	R	0.3	0.3	50.0		☐	70		☐	3		
221	Platanus occidentalis	b	R	0.5	1.2	40.0		☐	X		☐	M		
222	Quercus alba	c	R	0.5	3.2	45.0		☐	37		☒	2		
223	Platanus occidentalis	e	R	1.8	1.2	55.0		☐	67		☐	3		
224	Quercus phellos	f	R	2.6	1.9	50.0		☐	X		☐	M		
225	Quercus rubra	h	R	3.0	3.0	55.0		☐	67		☐	3		
226	Platanus occidentalis	d	R	1.0	4.8	50.0		☐	60		☐	3		
227	Quercus rubra	j	R	3.2	4.9	97.0		☐	100		☐	3		
228	Quercus rubra	l	R	4.8	3.5	50.0		☐	65		☐	3		
229	Diospyros virginiana	n	R	5.1	2.8	47.0		☐	X		☐	M		
230	Quercus alba	p	R	5.8	1.6	40.0		☐	30		☐	2		
231	Quercus rubra	t	R	6.5	1.1	71.0		☐	80		☐	3		
232	Quercus lyrata	w	R	9.9	3.9	55.0		☐	80		☐	3		
233	Quercus rubra	u	R	7.5	3.8	97.0		☐	110		☐	3		
234	Diospyros virginiana	s	R	6.2	4.8	55.0		☐	65		☐	3		
235	Diospyros virginiana	q	R	5.8	6.1	55.0		☐	70		☐	3		
236	Quercus rubra	o	R	5.3	6.6	47.0		☐	X		☐	M		
237	Quercus rubra	r	R	6.1	7.7	92.0		☐	100		☐	2		
238	Quercus alba	v	R	8.7	8.3	30.0		☐	30		☐	2		
239	Quercus rubra	m	R	4.9	9.9	91.0		☐	100		☐	3		
240	Platanus occidentalis	k	R	4.1	8.3	55.0		☐	70		☐	3		
241	Diospyros virginiana	i	R	3.1	8.2	41.0		☐	X		☐	M		
242	Quercus lyrata	g	R	2.9	9.7	50.0		☐	60		☐	3		

 # stems: 23

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0012					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes				Saplings — DBH			Trees — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

Form WS2, ver 9.1

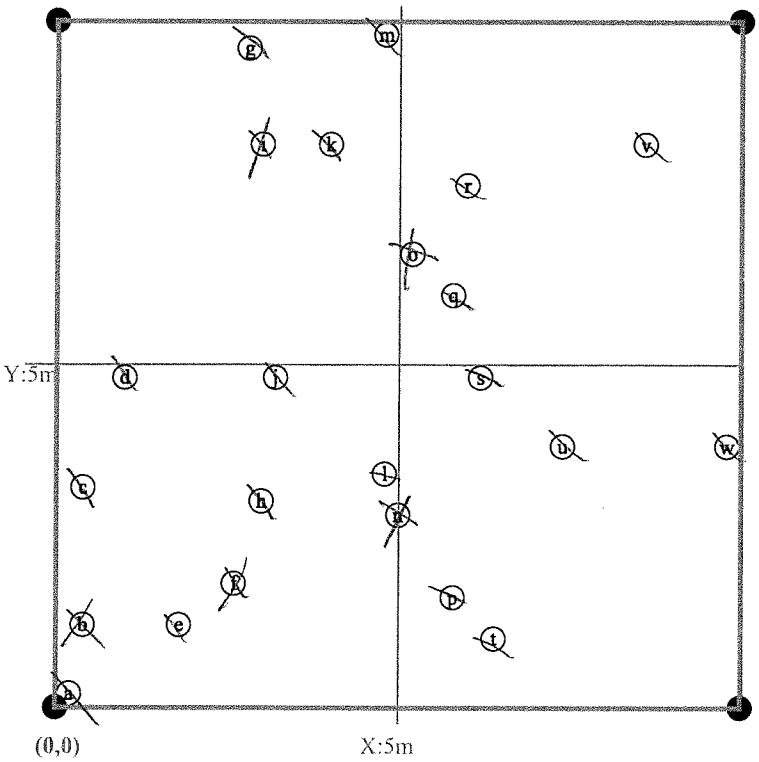
Map of stems on plot 103271-01-0012

→ X-axis: 340°

 # stems: 23

map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0013

VMD Year (1-5): 1 Date: 12/21/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 190

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
EM	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
243	Quercus rubra	a	R	0.4	0.3	50.0		☐	50		☐	2		
244	Platanus occidentalis	d	R	2.1	0.2	28.0		☐	M		☐	M		
245	Platanus occidentalis	i	R	4.2	0.2	45.0		☐	50		☐	3		
246	Platanus occidentalis	n	R	6.1	0.2	25.0		☐	20		☐	3		
247	Platanus occidentalis	r	R	8.0	0.1	57.0		☐	75		☐	3		
248	Betula nigra	l	R	5.5	2.3	40.0		☐	M		☐	M		
249	Betula nigra	f	R	2.8	2.7	35.0		☐	25		☐	3		
250	Liriodendron tulipifera	b	R	0.8	2.7	42.0		☐	42		☐	3		
251	Liriodendron tulipifera	h	R	3.6	4.6	45.0		☐	M		☐	M		
252	Betula nigra	m	R	5.9	4.7	52.0		☐	50		☐	3		
253	Quercus rubra	q	R	7.0	4.6	40.0		☐	35		☐	3		
254	Platanus occidentalis	t	R	9.3	6.6	60.0		☐	100		☐	4		
255	Platanus occidentalis	p	R	6.8	6.6	52.0		☐	70		☐	3		
256	Quercus lyrata	k	R	4.6	6.6	40.0		☐	40		☐	3		
257	Quercus alba	g	R	2.8	6.6	38.0		☐	55		☐	3		
258	Liriodendron tulipifera	c	R	1.0	6.6	30.0		☐	M		☐	M		
259	Quercus alba	e	R	2.6	9.0	25.0		☐	25		☐	3		
260	Quercus alba	j	R	4.3	9.1	25.0		☐	20		☐	2		
261	Platanus occidentalis	o	R	6.4	9.1	42.0		☐	55		☐	3		
262	Diospyros virginiana	s	R	8.4	9.0	45.0		☐	50		☐	3		

 # stems: 20

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0013

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

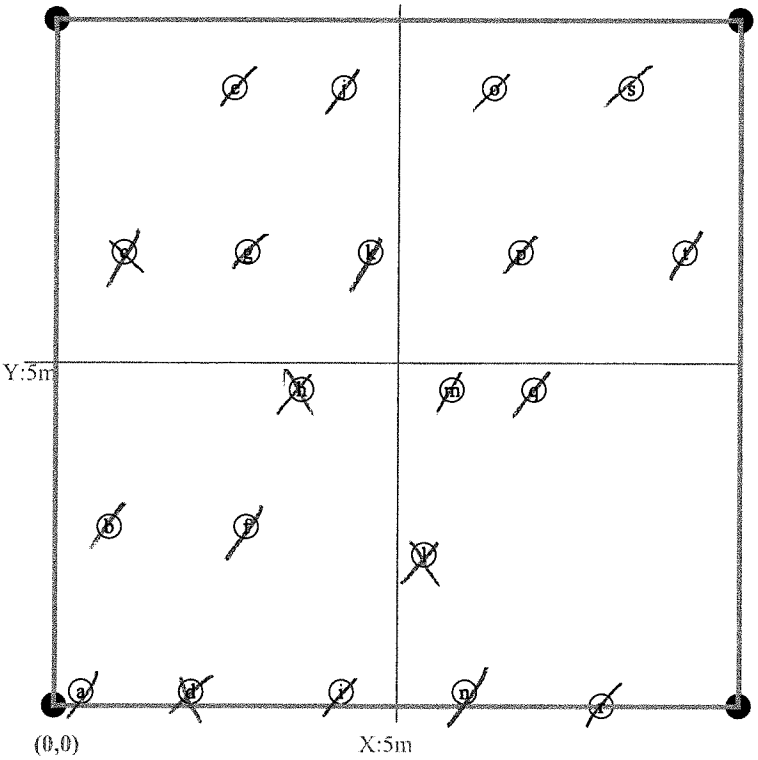
Form WS2, ver 9.1

Map of stems on plot 103271-01-0013

X-axis: 190°

N

 # stems: 20
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0014

VMD Year (1-5): 1 Date: 12 / 20 / 23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 160

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JP	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
263	Quercus rubra	①	R	6.6	1.1	78.0		☐	95		☐	3		
264	Betula nigra	ⓝ	R	8.1	2.8	50.0		☐	90		☐	3		
265	Betula nigra	ⓠ	R	9.8	4.3	48.0		☐	55		☐	3		
266	Quercus lyrata	ⓞ	R	8.0	5.6	61.0		☐	90		☐	3		
267	Quercus rubra	ⓚ	R	6.3	3.9	45.0		☐	65		☐	3		
268	Quercus phellos	ⓐ	R	0.3	0.3	62.0		☐	70		☐	3		
269	Quercus lyrata	ⓒ	R	1.7	1.9	52.0		☐	75		☐	3		
270	Quercus rubra	ⓕ	R	3.0	3.6	55.0		☐	80		☐	3		
271	Quercus rubra	ⓘ	R	4.7	5.1	72.0		☐	70		☐	3		
272	Quercus alba	ⓜ	R	7.0	7.0	35.0		☐	50		☐	3		
273	Quercus phellos	ⓟ	R	9.4	9.3	50.0		☐	50		☐	3		
274	Quercus rubra	ⓙ	R	4.6	9.0	48.0		☐	65		☐	3		
275	Quercus rubra	ⓗ	R	4.2	7.7	50.0		☐	90		☐	3		
276	Quercus rubra	ⓖ	R	3.5	7.5	58.0		☐	90		☐	3		
277	~~Diospyros virginiana~~ PLUC	ⓔ	R	2.1	6.1	51.0		☐	100		☐	3		
278	~~Diospyros virginiana~~ PLUC	ⓑ	R	0.8	4.7	60.0		☐	90		☐	3		
279	~~Quercus alba~~ phellos	ⓓ	R	1.9	8.4	30.0		☐	45		☐	3		

 # stems: 17

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0014

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data: ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA: ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

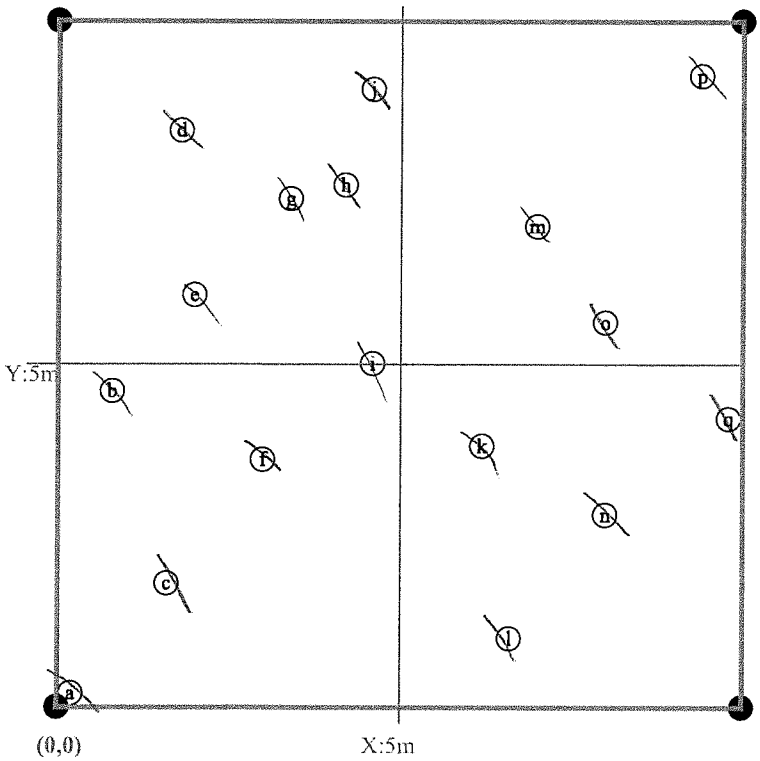
Form WS2, ver 9.1

Map of stems on plot 103271-01-0014

→ X-axis: 160°

N

 # stems: 17
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0015

VMD Year (1-5): 1 Date: 12 / 20 / 23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 310

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
280	~~Platanus occidentalis~~ BENI	a	R	0.3	0.2	40.0		☐	32		☐	3		
281	Quercus phellos	c	R	0.6	7.4	40.0		☐	X		☐	M		
282	Quercus alba	b	R	0.5	8.5	30.0		☐	30		☒	3		
283	Liriodendron tulipifera	d	R	2.4	9.8	45.0		☐	X		☐	M		
284	Diospyros virginiana	e	R	2.7	7.8	40.0		☐	50		☐	3		
285	Liriodendron tulipifera	h	R	4.1	6.5	56.0		☐	25		☐	2	Broken	
286	Betula nigra	k	R	6.0	5.4	49.0		☐	X		☐	M		
287	Quercus lyrata	j	R	4.7	4.5	81.0		☐	X		☐	M		
288	Betula nigra	i	R	4.3	3.1	50.0		☐	63		☐	3		
289	Quercus rubra	g	R	4.1	2.1	65.0		☐	75		☐	3		
290	Quercus rubra	f	R	3.8	0.8	52.0		☐	60		☐	3		
291	Quercus rubra	p	R	8.7	0.1	91.0		☐	65		☐	2		
292	Quercus rubra	l	R	7.4	0.7	79.0		☐	70		☐	2	Broken	
293	Quercus rubra	n	R	8.3	2.0	50.0		☐	55		☐	3		
294	Platanus occidentalis	q	R	9.1	2.3	50.0		☐	45		☐	2		
295	Quercus lyrata	r	R	9.5	3.6	80.0		☐	61		☐	2	Broken	
296	Quercus alba	s	R	9.5	6.0	50.0		☐	70		☐	3		
297	Quercus phellos	o	R	8.2	6.7	42.0		☐	50		☐	3		
298	Quercus alba	m	R	7.8	8.3	32.0		☐	45		☐	3		
299	Quercus phellos	t	R	9.8	9.8	50.0		☐	85		☐	3		

 # stems: 20

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0015

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data: ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA: ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Saplings — DBH: Sub-Sapl	0-1 cm	1-2.5	Trees — DBH: 2.5-	5-	=10 (write DBH)

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10

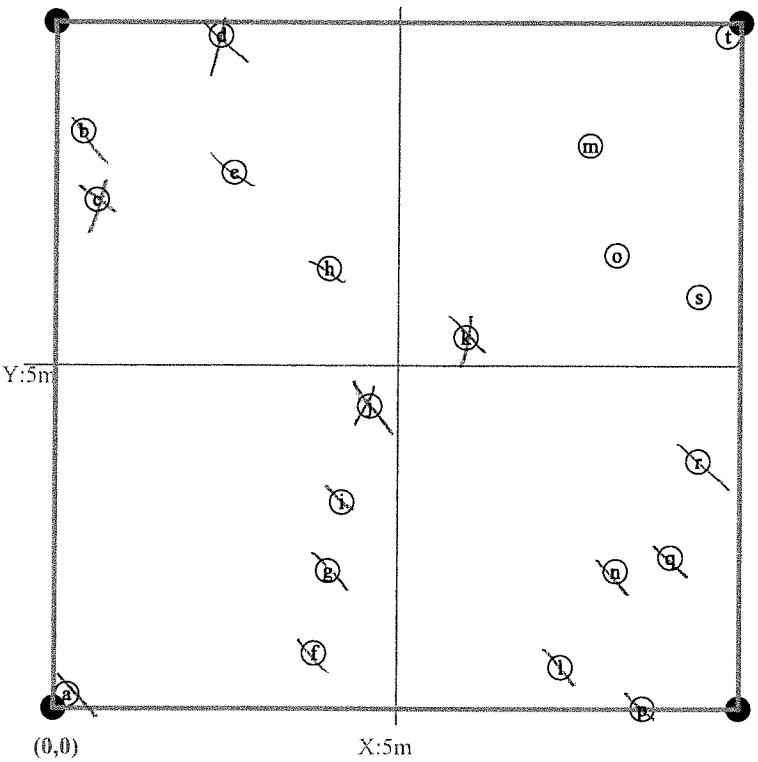
Form WS2, ver 9.1

Map of stems on plot 103271-01-0015

X-axis: 310°

 # stems: 20
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0016

VMD Year (1-5): 1 Date: 12 / 20 / 23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 210

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KU	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
300	Liriodendron tulipifera	a	R	0.1	0.1	45.0		☐	70		☐	3		
301	Platanus occidentalis	d	R	1.2	3.8	42.0		☐	85		☐	3		
302	Platanus occidentalis	b	R	1.1	5.1	51.0		☐	70		☐	3		
303	Cornus florida	c	R	1.0	7.0	58.0		☐	80		☐	3		
304	Platanus occidentalis	e	R	2.2	9.0	60.0		☐	70		☐	3		
305	Quercus phellos	f	R	2.9	6.9	60.0		☐	70		☐	3		
306	Quercus rubra	g	R	3.4	5.1	70.0		☐	100		☐	3		
307	Platanus occidentalis	h	R	3.7	3.1	55.0		☐	70		☐	3		
308	Quercus alba	j	R	6.8	6.7	80.0		☐	95		☐	3		
309	Liriodendron tulipifera	i	R	4.9	8.9	70.0		☐	140	0.4	☐	3		
310	Platanus occidentalis	l	R	9.0	9.4	43.0		☐	60		☐	3		
311	Platanus occidentalis	n	R	9.7	7.1	45.0		☐	60		☐	3		
312	Betula nigra	o	R	9.8	5.6	38.0		☐	50		☐	3		
313	Quercus lyrata	k	R	9.0	3.7	60.0		☐	65		☐	3		
314	Quercus lyrata	m	R	9.7	2.2	58.0		☐	75		☐	3		

 # stems: 15

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0016					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage* Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes				Saplings — DBH			Trees — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
LIST											

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

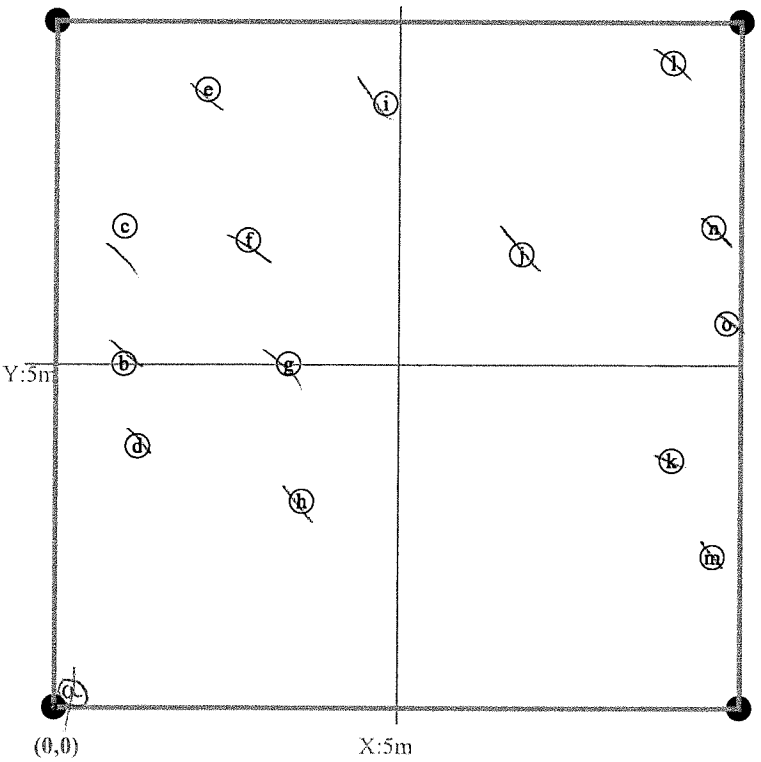
Form WS2, ver 9.1

Map of stems on plot 103271-01-0016

X-axis: 210°

 # stems: 15
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0017

VMD Year (1-5): 1 Date: 12 / 20 / 23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 125

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
315	Betula nigra	ⓐ	R	0.2	0.3	50.0		☐	60		☐	3		
316	Platanus occidentalis	ⓑ	R	2.6	7.9	47.0		☐	85		☐	3		
317	Quercus lyrata	ⓒ	R	3.0	9.2	60.0		☐	60		☐	3		
318	Quercus phellos	ⓗ	R	4.8	9.9	50.0		☐	60		☐	3		
319	Platanus occidentalis	ⓖ	R	4.9	9.3	51.0		☐	70		☐	3		
320	Quercus lyrata	ⓓ	R	4.1	8.2	50.0		☐	55		☐	3		
321	Platanus occidentalis	ⓔ	R	4.3	6.9	50.0		☐	100		☐	3		
322	Liriodendron tulipifera	ⓕ	R	4.5	2.2	50.0		☐	65		☐	3		
323	Platanus occidentalis	ⓘ	R	5.2	0.3	48.0		☐	125		☐	3		
324	Diospyros virginiana	ⓜ	R	7.1	0.8	55.0		☐	65		☐	3		
325	Diospyros virginiana	ⓛ	R	6.5	2.5	55.0		☐	75		☐	3		
326	Quercus rubra	ⓚ	R	6.0	4.4	60.0		☐	65		☐	3		
327	Quercus rubra	ⓙ	R	5.5	6.0	67.0		☐	80		☐	3		

 # stems: 13

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0017

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

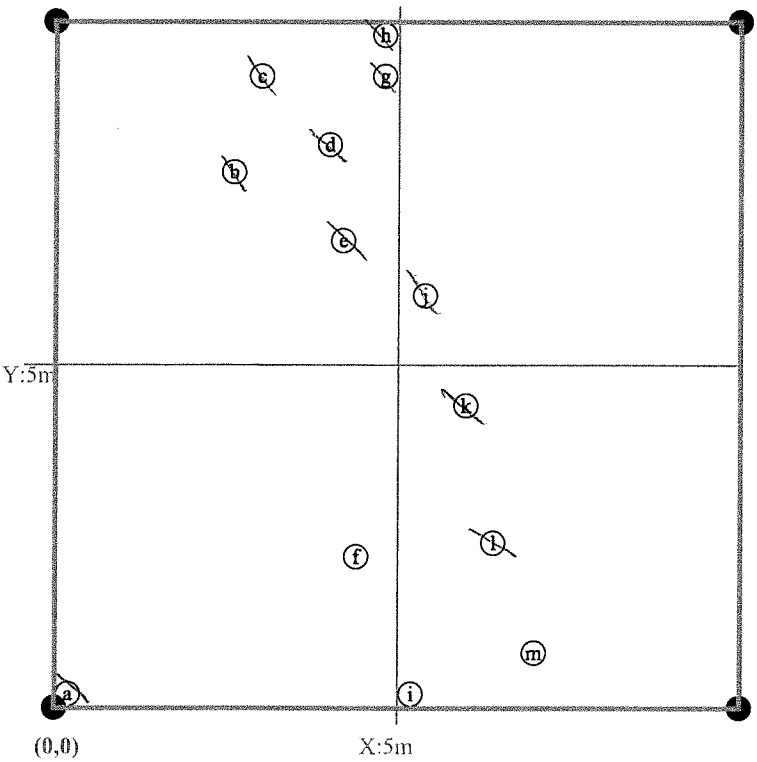
Species Name	☑ c	Seedlings — Height Classes: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Saplings — DBH: Sub-Sapl	0-1 cm	1-2.5	Trees — DBH: 2.5-	5-	=10 (write DBH)
QULY		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%. ●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10 Form WS2, ver 9.1

Map of stems on plot 103271-01-0017

→ X-axis: 125 ° N

 # stems: 13
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0018

VMD Year (1-5): 1 Date: 12/20/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 320

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
328	Betula nigra	a	R	0.2	0.3	40.0		☐	55		☐	3		
329	Quercus rubra	b	R	0.3	4.2	58.0		☐	70		☐	3		
330	Betula nigra	c	R	0.3	7.4	41.0		☐	55		☐	3		
331	Liriodendron tulipifera	d	R	0.2	9.9	42.0		☐	65		☐	3		
332	Platanus occidentalis	g	R	4.2	9.3	53.0		☐	105		☐	3		
333	Quercus lyrata	j	R	5.6	9.3	49.0		☐	65		☐	3		
334	Quercus lyrata	k	R	5.8	7.2	50.0		☐	60		☐	3		
335	Quercus phellos	i	R	5.2	5.0	45.0		☐	50		☐	3		
336	Quercus rubra	h	R	4.4	3.0	95.0		☐	110		☐	3		
337	Platanus occidentalis	e	R	3.3	1.9	55.0		☐	80		☐	3		
338	Platanus occidentalis	f	R	3.7	0.3	51.0		☐	100		☐	3		
339	Quercus phellos	l	R	6.2	0.2	45.0		☐	55		☐	3		
340	Quercus phellos	m	R	6.5	1.9	42.0		☐	55		☐	3		
341	Quercus rubra	n	R	7.0	4.4	101.0	*DBH?*	☐	110		☐	3		
342	Quercus rubra	o	R	7.7	6.9	72.0		☐	90		☐	3		
343	Quercus rubra	r	R	8.4	4.4	82.0		☐	25		☒	2		
344	Quercus rubra	p	R	8.1	2.4	89.0		☐	105		☐	3		
345	Betula nigra	q	R	8.2	0.5	45.0		☐	55		☐	3		

 # stems: *18*

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0018

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data: ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA: ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

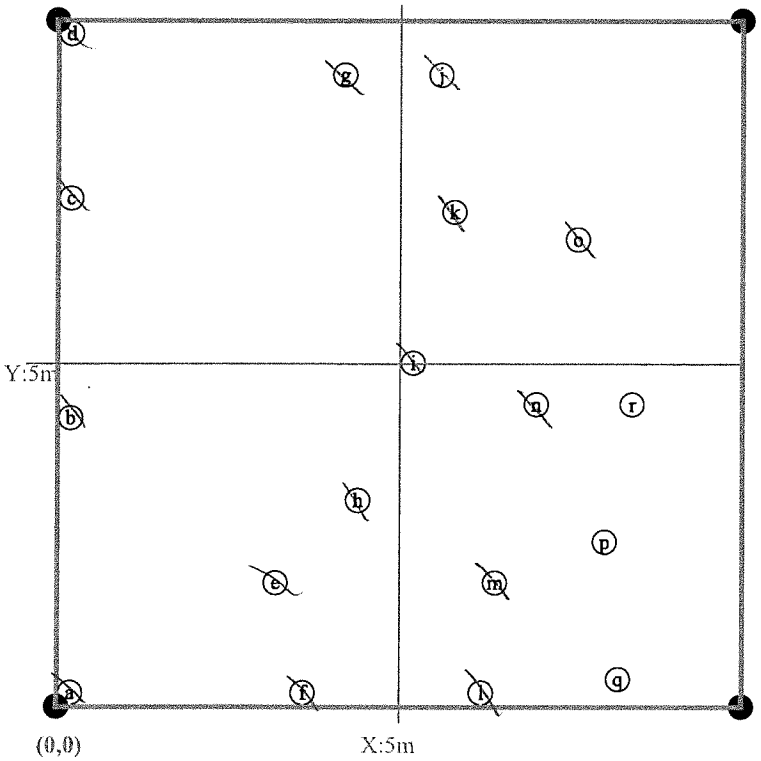
Form WS2, ver 9.1

Map of stems on plot 103271-01-0018

→ X-axis: 320°

 # stems: 18
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0019

VMD Year (1-5): 1 Date: 12 / 20 / 23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 320

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
364	Quercus rubra	ⓐ	R	0.1	0.4	95.0		☐	92		☐	2	broken	
365	Betula nigra	ⓑ	R	0.1	1.0	45.0		☐	30		☐	2		
366	Quercus rubra	ⓒ	R	0.1	4.6	35.0		☐	50		☐	3		
367	Quercus lyrata	ⓓ	R	1.1	3.4	80.0		☐	85		☐	3		
368	Platanus occidentalis	ⓕ	R	2.1	2.0	50.0		☐	50		☐	3		
369	Diospyros virginiana	ⓘ	R	2.9	1.0	42.0		☐	X		☐	M		
370	Quercus rubra	ⓜ	R	6.1	0.9	90.0		☐	140	0.2	☐	3		
371	Quercus phellos	ⓚ	R	4.2	1.8	70.0		☐	X		☐	M		
372	Liriodendron tulipifera	ⓙ	R	3.3	3.7	52.0		☐	115		☐	3		
373	Quercus phellos	ⓗ	R	2.6	5.4	60.0		☐	X		☐	M		
374	Platanus occidentalis	ⓖ	R	2.1	7.8	45.0		☐	40		☐	3		
375	Liriodendron tulipifera	ⓔ	R	1.9	9.6	12.0		☐	X		☐	M		
376	Platanus occidentalis	ⓛ	R	5.3	9.4	38.0		☐	X		☐	M		
377	Liriodendron tulipifera	ⓝ	R	6.0	5.1	48.0		☐	40		☒	2		
378	Quercus phellos	ⓞ	R	6.8	3.4	50.0		☐	60		☐	3		
379	Quercus lyrata	ⓟ	R	7.7	1.6	50.0		☐	50		☐	3		
380	Diospyros virginiana	ⓢ	R	8.9	0.2	30.0		☐	X		☐	M		
381	Quercus lyrata	ⓣ	R	9.9	1.0	45.0		☐	60		☐	3		
382	Quercus phellos	ⓡ	R	8.7	4.9	52.0		☐	X		☐	M		
383	Diospyros virginiana	ⓠ	R	8.4	7.1	30.0		☐	32		☐	2		

 # stems: 20

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

	Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes
1	Qu sp	Map			60				
	LITU				65				

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0019					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes				Saplings — DBH			Trees — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10

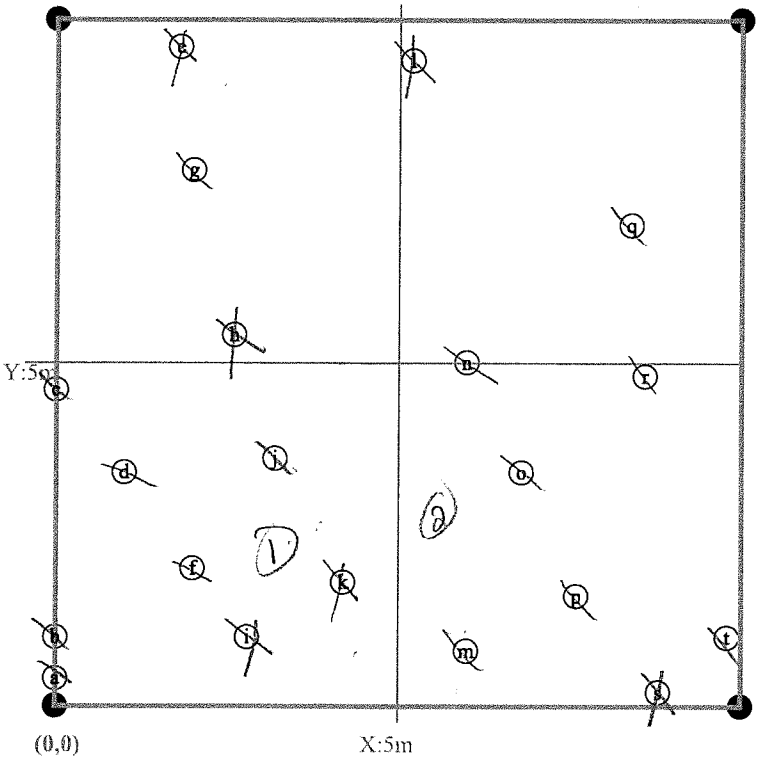
Form WS2, ver 9.1

Map of stems on plot 103271-01-0019

X-axis: 320°

 # stems: 20
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0020

VMD Year (1-5): 1 Date: 12/20/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 190

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
384	Quercus lyrata	a	R	0.1	0.1	37.0		☐	55		☐	3		
385	Quercus rubra	d	R	2.5	0.1	51.0		☐	65		☐	3		
386	Quercus lyrata	h	R	4.6	0.1	50.0		☐	70		☐	3		
387	Quercus lyrata	m	R	7.5	0.3	57.0		☐	55		☐	2		
388	Quercus rubra	o	R	9.1	0.5	60.0		☐	70		☐	3		
389	Diospyros virginiana	n	R	8.7	2.4	60.0		☐	70		☐	3		
390	Quercus phellos	k	R	6.1	2.3	50.0		☐	70		☐	3		
391	Quercus phellos	i	R	4.6	2.0	30.0		☐	70		☐	3		
392	Betula nigra	e	R	2.7	2.0	55.0		☐	X		☐	M		
393	Quercus alba	b	R	0.4	1.9	25.0		☐	X		☐	M		
394	Platanus occidentalis	c	R	0.6	4.0	20.0		☐	X		☐	M		
395	Quercus phellos	f	R	3.5	4.5	67.0		☐	95		☐	3		
396	Platanus occidentalis	j	R	5.8	5.5	58.0		☐	90		☐	3		
397	Quercus alba	p	R	9.1	6.0	35.0		☐	X		☐	M		
398	Diospyros virginiana	l	R	7.2	7.6	57.0		☐	60		☐	3		
399	Diospyros virginiana	g	R	4.4	8.8	55.0		☐	35		☐	1	Broken	

 # stems: 16

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0020

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10

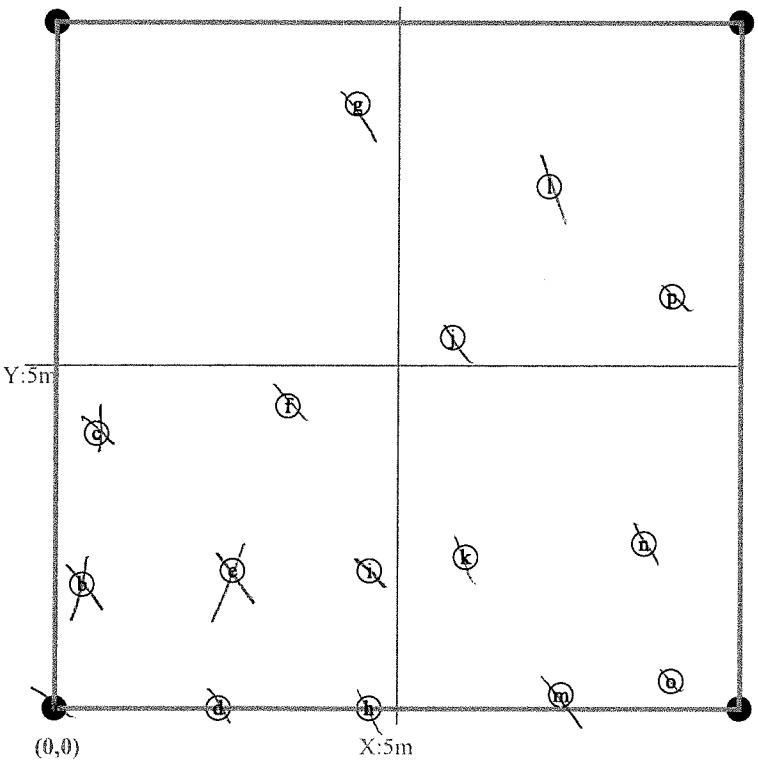
Form WS2, ver 9.1

Map of stems on plot 103271-01-0020

X-axis: 190°

 # stems: 16
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0021

VMD Year (1-5): 1 Date: 12/20/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 22

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
400	Quercus rubra	a	R	0.3	0.3	50.0		☐	75		☐	3		
401	Betula nigra	c	R	0.8	2.7	20.0		☐	35		☐	3		
402	Quercus phellos	f	R	2.8	1.5	37.0		☐	55		☐	3		
403	Diospyros virginiana	k	R	4.8	0.7	28.0		☐	35		☐	3		
404	Quercus phellos	n	R	6.9	0.3	35.0		☐	55		☐	3		
405	Diospyros virginiana	s	R	9.2	1.8	15.0		☐	10		☐	2	Broken	
406	Quercus lyrata	p	R	7.2	2.6	42.0		☐	60		☐	3		
407	Betula nigra	l	R	5.1	3.3	50.0		☐	80		☐	3		
408	Quercus phellos	g	R	2.9	4.0	50.0		☐	60		☐	3		
409	Quercus rubra	d	R	1.3	6.0	52.0		☐	50		☐	2		
410	Quercus lyrata	h	R	3.3	6.3	50.0		☐	60		☐	3		
411	Platanus occidentalis	j	R	4.7	5.8	60.0		☐	75		☐	3		
412	Platanus occidentalis	o	R	6.8	4.9	40.0		☐	90		☐	3		
413	Quercus lyrata	r	R	8.8	4.1	50.0		☐	80		☐	3		
414	~~Liriodendron tulipifera~~ PLOC	q	R	8.6	8.1	50.0		☐	100		☐	3		
415	~~Liriodendron tulipifera~~ PLOC	m	R	6.7	8.3	50.0		☐	125		☐	3		
416	~~Liriodendron tulipifera~~ PLOC	i	R	4.4	8.6	50.0		☐	130		☐	3		
417	Platanus occidentalis	e	R	2.3	8.7	48.0		☐	125		☐	3		
418	Platanus occidentalis	b	R	0.5	8.9	32.0		☐	70		☐	3		
419	Diospyros virginiana	t	R	9.9	9.9	40.0		☐	55		☐	3		

 # stems: 20

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0021					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes				Saplings — DBH			Trees — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%. ●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10 Form WS2, ver 9.1

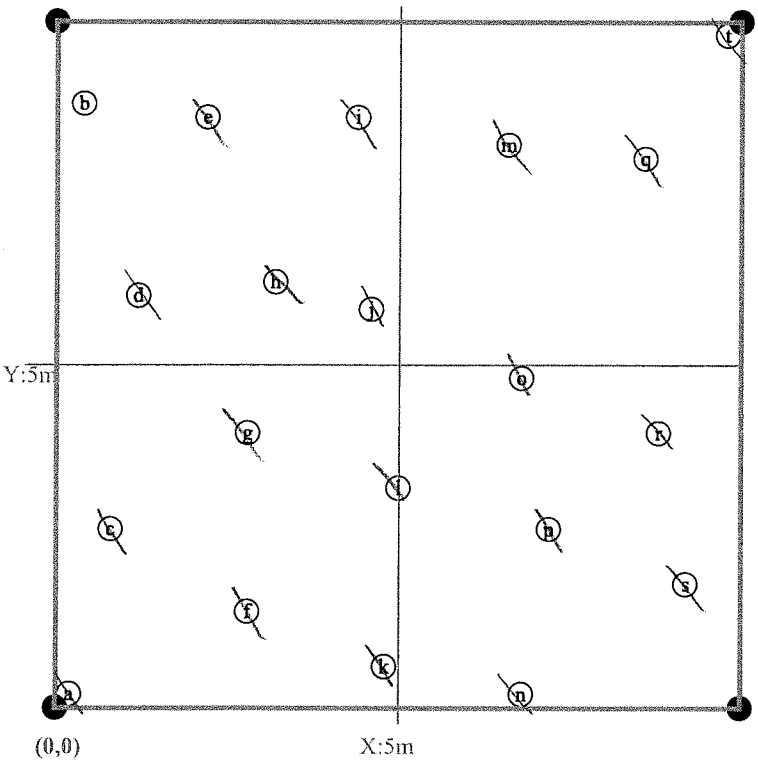
Map of stems on plot 103271-01-0021

X-axis: 22°

N

 # stems: 20

map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0022

VMD Year (1-5): 1 Date: 12 / 20 / 23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 197

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
420	~~Quercus rubra~~ PLOC	u	R	8.7	0.3	50.0		☐	173	0.3	☐	4		
421	Platanus occidentalis	s	R	8.1	1.8	52.0		☐	60		☐	3		
422	Platanus occidentalis	n	R	6.1	1.5	58.0		☐	75		☐	3		
423	Platanus occidentalis	j	R	4.1	1.2	58.0		☐	55		☐	2		
424	Quercus lyrata	f	R	2.3	0.7	55.0		☐	80		☐	3		
425	Platanus occidentalis	a	R	0.3	0.1	60.0		☐	70		☐	3		
426	Platanus occidentalis	q	R	7.5	3.7	38.0		☐	50		☐	3		
427	Platanus occidentalis	t	R	8.5	4.4	42.0		☐	60		☐	3		
428	Platanus occidentalis	o	R	6.2	5.5	50.0		☐	80		☐	3		
429	Platanus occidentalis	k	R	4.3	5.0	40.0		☐	80		☐	3		
430	Platanus occidentalis	g	R	2.4	4.4	55.0		☐	50		☒	3		
431	Platanus occidentalis	b	R	0.6	4.2	51.0		☐	50		☒	3		
432	Betula nigra	c	R	1.0	5.8	23.0		☐	75		☐	3		
433	Betula nigra	i	R	3.8	6.4	48.0		☐	70		☐	3		
434	Betula nigra	l	R	4.4	7.0	39.0		☐	70		☐	3		
435	Diospyros virginiana	m	R	5.6	7.5	28.0		☐	45		☐	3		
436	Betula nigra	r	R	7.4	8.1	42.0		☐	10		☐	3	Broken	
437	Betula nigra	v	R	9.1	8.6	48.0		☐	80		☐	3		
438	Quercus rubra	p	R	7.1	9.7	42.0		☐	40		☐	3		
439	Liriodendron tulipifera	h	R	2.4	8.6	31.0		☐	45		☐	3		
440	Betula nigra	d	R	1.0	8.5	41.0		☐	X		☐	M		
441	Platanus occidentalis	e	R	1.0	9.6	35.0		☐	50		☐	3		

 # stems: 22

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0022					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES				SAPLINGS — DBH			TREES — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●4 ●5 ●6 ●7 ●8 ●9 ●10

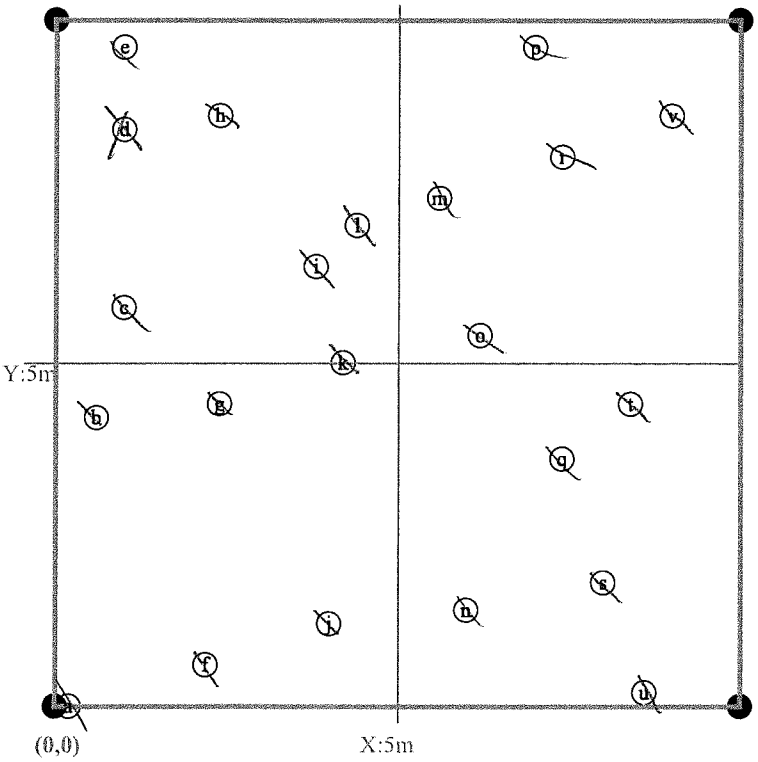
Form WS2, ver 9.1

Map of stems on plot 103271-01-0022

→ X-axis: 197°

 # stems: 22
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0023

VMD Year (1-5): 1 Date: 12/20/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 80

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KC	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
442	Quercus alba	a	R	0.1	0.2	58.0		☐	75		☐	3		
443	Platanus occidentalis	b	R	0.1	2.6	38.0		☐	50		☐	3		
444	Quercus rubra	c	R	0.3	4.7	45.0		☐	60		☐	3		
445	Quercus rubra	d	R	0.2	6.7	60.0		☐	65		☐	3		
446	Platanus occidentalis	g	R	1.8	7.1	48.0		☐	90		☐	3		
447	Platanus occidentalis	f	R	1.9	5.1	50.0		☐	60		☐	3		
448	Platanus occidentalis	e	R	1.8	2.2	49.0		☐	90		☐	3		
449	Quercus alba	j	R	4.3	0.7	60.0		☐	70		☐	3		
450	Diospyros virginiana	k	R	4.2	2.5	30.0		☐	X		☐	M		
451	Quercus rubra	h	R	4.1	4.5	50.0		☐	60		☐	3		
452	Quercus lyrata	i	R	4.1	6.9	50.0		☐	65		☐	3		
453	Quercus phellos	m	R	6.1	7.9	50.0		☐	50		☐	3		
454	Quercus rubra	l	R	6.0	6.3	70.0		☐	85		☐	3		
455	Quercus phellos	o	R	6.2	3.9	54.0		☐	60		☐	3		
456	Quercus alba	n	R	6.3	1.7	41.0		☐	70		☐	3		
457	Diospyros virginiana	p	R	8.3	0.5	20.0		☐	30		☐	3		
458	~~Quercus rubra~~ PLOC	q	R	8.3	1.9	50.0		☐	90		☐	3		
459	Quercus phellos	s	R	8.4	3.8	60.0		☐	70		☐	3		
460	Quercus alba	r	R	8.2	5.7	95.0		☐	100		☐	3		
461	Diospyros virginiana	t	R	8.9	7.8	25.0		☐	40		☐	3		
462	Quercus alba	u	R	8.8	9.2	95.0		☐	120		☐	3		
463	~~Quercus rubra~~ PLOC	v	R	9.6	4.2	55.0		☐	80		☐	3		

 # stems: 22

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0023					Apr 2023 Data			Notes*	THIS YEAR'S DATA						
ID	Species	map char	source	X (m)	Y (m)	ddh (mm)	Height (cm)	DBH (cm)		ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes				Saplings — DBH			Trees — DBH		
		Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Sub-Sapl	0-1 cm	1-2.5	2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

Form WS2, ver 9.1

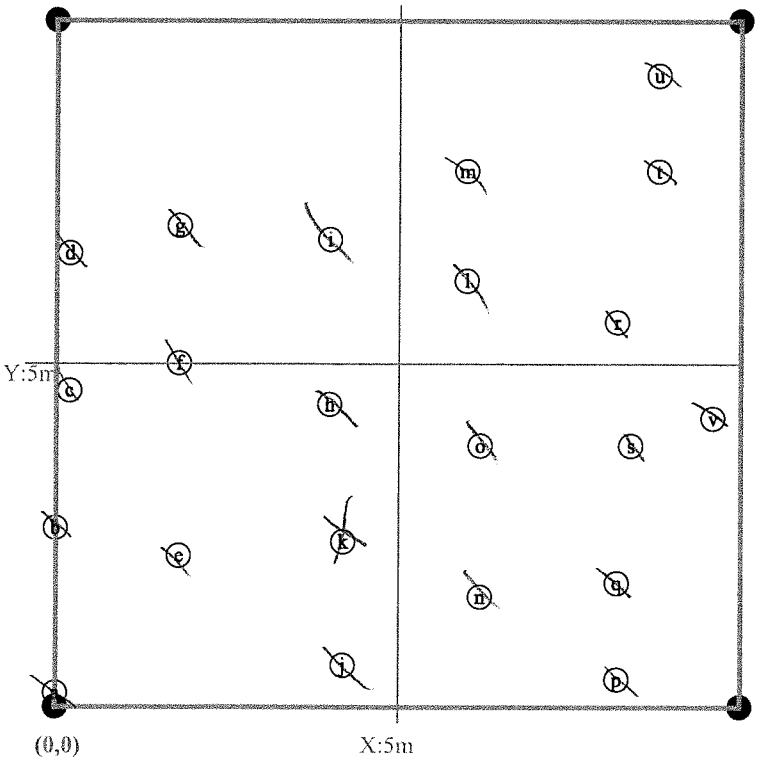
Map of stems on plot 103271-01-0023

X-axis: 80°

N

 # stems: 22

map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0024

VMD Year (1-5): 1 Date: 12/20/23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 145

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
464	Quercus rubra	b	R	0.4	0.0	50.0		☐	65		☐	3		
465	Liriodendron tulipifera	c	R	1.1	2.0	30.0		☐	45		☐	3		
466	Quercus phellos	g	R	2.4	0.7	45.0		☐	70		☐	3		
467	Quercus phellos	l	R	5.2	0.8	40.0		☐	55		☐	3		
468	Betula nigra	j	R	3.9	2.2	30.0		☐	45		☐	3		
469	Betula nigra	h	R	2.7	4.8	15.0		☐	32		☐	3		
470	Betula nigra	d	R	1.2	5.6	32.0		☐	65		☐	3		
471	Platanus occidentalis	a	R	0.1	7.5	48.0		☐	65		☐	3		
472	Platanus occidentalis	e	R	1.2	8.6	48.0		☐	50		☐	3		
473	Betula nigra	f	R	2.3	7.1	45.0		☐	75		☐	3		
474	Quercus phellos	i	R	3.6	5.6	35.0		☐	X		☐	M		
475	Diospyros virginiana	m	R	5.2	3.7	15.0		☐	X		☐	M		
476	Quercus rubra	o	R	6.5	2.0	40.0		☐	55		☐	3		
477	Platanus occidentalis	s	R	7.9	0.7	30.0		☐	X		☐	M		
478	Platanus occidentalis	u	R	8.8	2.4	42.0		☐	55		☐	3		
479	Platanus occidentalis	r	R	7.7	3.9	41.0		☐	20		☐	3		
480	Quercus phellos	p	R	6.5	5.8	42.0		☐	50		☐	3		
481	Platanus occidentalis	n	R	5.2	7.5	40.0		☐	55		☐	3		
482	Platanus occidentalis	k	R	3.8	9.3	45.0		☐	70		☐	3		
483	Quercus rubra	q	R	7.0	8.8	50.0		☐	75		☐	3		
484	Quercus rubra	t	R	8.3	7.0	45.0		☐	50		☐	3		
485	Quercus alba	v	R	9.3	5.5	12.0		☐	30		☐	3		
486	Betula nigra	w	R	9.7	9.9	32.0		☐	50		☐	3		

 # stems: 23

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Printed in the CVS-EEP Entry Tool ver. 2.3.1

Plot (continued): 103271-01-0024

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	Seedlings — Height Classes: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	Saplings — DBH: Sub-Sapl	0-1 cm	1-2.5	Trees — DBH: 2.5-	5-	=10 (write DBH)

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

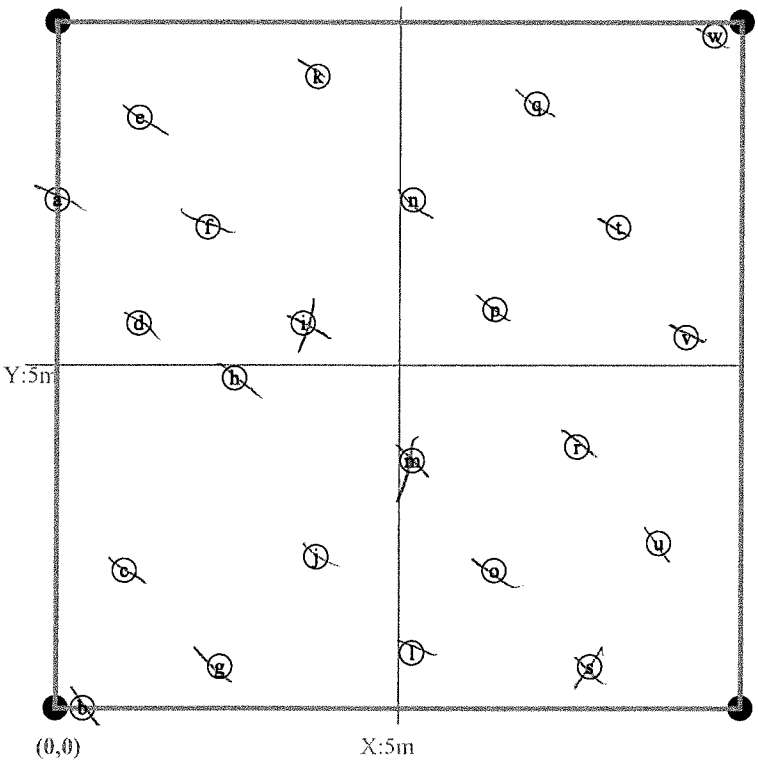
Form WS2, ver 9.1

Map of stems on plot 103271-01-0024

X-axis: 145 °

N

 # stems: 23
map size: small



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Vegetation Monitoring Data (VMD) Datasheet **Please fill in any missing data and correct any errors.**

Plot 103271-01-0025

VMD Year (1-5): 1 Date: 12 /20 /23 - / /

Taxonomic Standard:

Taxonomic Standard DATE:

Latitude or UTM-N: (dec.deg. or m) Datum:

Longitude or UTM-E: UTM Zone:

Coordinate Accuracy (m): X-Axis bearing (deg): 206

Plot Dimensions: X: 10 Y: 10 ☐ Plot has reverse orientation for X and Y axis (Y is 90 degrees to the right of X

Party:	Role:
JD	
KO	

Date last planted:

New planting date m/yy? /

☐ Check box if plot was not sampled, specify reason below

Notes:

ID	Species Name	Map char	Source*	X 0.1m	Y 0.1m	Apr 2023 Data Height 1cm*	Apr 2023 Data DBH 1 cm	Notes*	THIS YEAR'S DATA Height 1cm*	DBH 1 cm	Re-sprout	Vigor*	Damage*	Notes
487	Quercus rubra	a	R	0.2	0.3	49.0		☐	X		☐	M		
488	Quercus lyrata	e	R	2.8	1.2	45.0		☐	95		☐	3		
489	Quercus rubra	h	R	5.1	2.2	52.0		☐	60		☐	3		
490	Quercus rubra	k	R	7.5	3.3	45.0		☐	X		☐	M		
491	Quercus lyrata	o	R	9.9	4.3	55.0		☐	70		☐	3		
492	Quercus phellos	n	R	9.7	9.5	50.0		☐	60		☐	3		
493	Quercus phellos	m	R	8.5	7.4	36.0		☐	60		☐	3		
494	Quercus rubra	j	R	6.3	5.5	50.0		☐	60		☐	3		
495	Platanus occidentalis	g	R	4.0	4.4	42.0		☐	53		☐	3		
496	~~Quercus rubra~~ PLOC	b	R	1.9	3.6	58.0		☐	95		☐	3		
497	Quercus alba	f	R	3.4	7.9	28.0		☐	40		☐	3		
498	Platanus occidentalis	l	R	7.6	9.6	35.0		☐	55		☐	3		
499	Quercus phellos	i	R	6.0	9.8	40.0		☐	50		☐	3		
500	Quercus alba	d	R	2.1	9.7	35.0		☐	50		☐	3		
501	Quercus phellos	c	R	1.9	8.4	42.0		☐	X		☐	M		

 # stems: 15

New Stems, not included last year, but are obviously planted. If more space needed, use blank PWS (Planted Woody Stems) Form:

Species Name	Source*	X (m)	Y (m)	Height 1 cm*	DBH 1 cm	Vigor*	Damage*	Notes

*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Plot (continued): 103271-01-0025

ID	Species	map char	source	X (m)	Y (m)	Apr 2023 Data ddh (mm)	Height (cm)	DBH (cm)	Notes*	THIS YEAR'S DATA ddh (mm)	Height (cm)	DBH (cm)	Re-sprout	Vigor*	Damage*	Notes

Natural Woody Stems - tallied by species

Explanation of cut-off & subsampling**:

Height Cut-Off (All stems shorter than this are ignored. If >10cm, explain why to the right.): ☐ 10cm ☐ 50cm ☐ 100cm ☐ 137cm

Species Name	☑ c	SEEDLINGS — HEIGHT CLASSES: Sub-Seed	10 cm-50 cm	50 cm-100 cm	100 cm-137 cm	SAPLINGS — DBH: Sub-Sapl	0-1 cm	1-2.5	TREES — DBH: 2.5-	5-	=10 (write DBH)
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					
		___				___					

**Required if cut-off >10cm or subsample ? 100%.

●1 ●2 ●3 ●●4 ●●5 ●●6 ●●7 ●●8 ●●9 ●●10

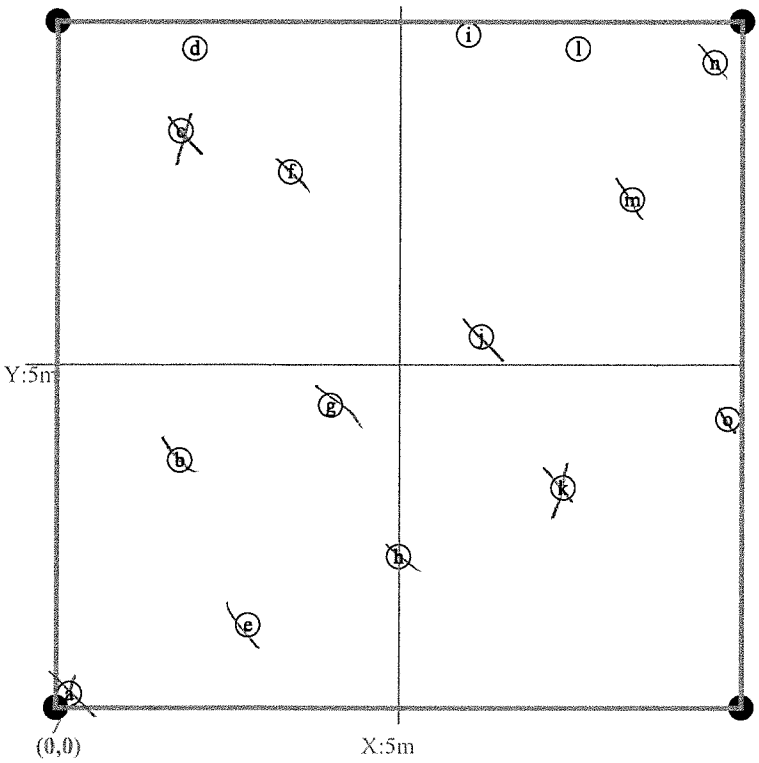
Form WS2, ver 9.1

Map of stems on plot 103271-01-0025

X-axis: 206 °

 # stems: 15
map size: small

N



*SOURCE: Tr=Transplant, L=Live stake, B=Ball and burlap, P=Potted, Tu=Tubling, R=bare Root, M=Mechanically, U=Unknown

*VIGOR: 4=excellent, 3=good, 2=fair, 1=unlikely to survive year, 0=dead, M=missing.

*DAMAGE: REMoval, CUT, MOWing, BEAVer, DEER, RODents, INSects, GAME, LIVESTock, Other/Unknown ANIMal, Human TRAMpled, Site Too WET, Site Too DRY, FLOOD, DROUght, STORM, HURRicane, DISeased, VINE Strangulation, UNKNown, specify other.

*HEIGHT PRECISION drops to 10cm if >2.5m and 50cm if >4m.

Printed in the CVS-EEP Entry Tool ver. 2.3.1

Bare Root Tree Planting List

Common Name	Scientific Name	Mit Plan %	As-Built %	Total Stems Planted
American sycamore	*Platanus occidentalis*	15	15	3800
River birch	*Betula nigra*	15	15	3800
Willow oak	*Quercus phellos*	15	15	3800
Northern red oak	*Quercus rubra*	15	15	3800
White oak	*Quercus alba*	10	10	2550
Overcup oak	*Quercus lyrata*	10	10	2550
Tulip poplar	*Liriodendron tulipifera*	5	5	1300
Green Ash	*Fraxinus pennsylvanica*	5	5	1300
Persimmon	*Diospyros virginiana*	5	5	1300
Flowering dogwood	*Cornus florida*	5	5	1300
			Total	25,500
			Planted Area (Ac.)	30.6
			As-Built Stems/Acre	833

Seed Mix List

Common Name	Scientific Name	% Composition
Virgina Wild Rye	*Elymus virginicus*	25%
Switchgrass	*Panicum virgatum*	25%
Big Bluestem	*Andropogon gerardii*	10%
Lanceleaf Coreopsis	*Coreopsis lanceolata*	10%
Little Bluestem	*Schizachyrium scoparium*	10%
Purple Coneflower	*Echinacea purpurea*	7%
Oxeye Sunflower	*Heliopsis helianthoides*	7%
Butterfly Milkweed	*Asclepias tuberosa*	3%
Narrowleaf Sunflower	*Helianthus angustifolius*	3%

Appendix C

Photos

Chappels Creek General Site Photos MY1 2023

Crossing Along Chappels Creek (4/18/2023)

Easement Marker (12/20/2023)

Chappels Creek MY1 Vegetation Monitoring Plot Photos

Vegetation Plot 1 (12/21/2023)

Vegetation Plot 2 (12/21/2023)

Vegetation Plot 3 (12/21/2023)

Vegetation Plot 4 (12/21/2023)

Vegetation Plot 5 (12/21/2023)

Vegetation Plot 6 (12/21/2023)

Vegetation Plot 7 (12/21/2023)

Vegetation Plot 8 (12/21/2023)

Vegetation Plot 9 (12/21/2023)

Vegetation Plot 10 (12/21/2023)

Vegetation Plot 11 (12/21/2023)

Vegetation Plot 12 (12/21/2023)

Vegetation Plot 13 (12/21/2023)

Vegetation Plot 14 (12/21/2023)

Vegetation Plot 15 (12/21/2023)

Vegetation Plot 16 (12/21/2023)

Vegetation Plot 17 (12/21/2023)

Vegetation Plot 18 (12/21/2023)

Vegetation Plot 19 (4/18/2023)

Vegetation Plot 20 (12/21/2023)

Vegetation Plot 21 (12/21/2023)

Vegetation Plot 22 (12/21/2023)

Vegetation Plot 23 (12/21/2023)

Vegetation Plot 24 (12/21/2023)

Vegetation Plot 25 (12/21/2023)

Chappels Creek MY1 Maintenance Photos

No Motorized Vehicle Signs (11/13/2023)

Debris Cleanup (11/9/2023)

Easement Signage on Encroachment (12/21/2023)

Supplemental Planting on Encroachment (12/18/2023)

Supplemental Planting on Encroachment (12/18/2023)

Supplemental Planting near VP19 (12/20/2023)

Invasives Treated (5/1/2023)

Invasives Treated (9/25/2023)

Invasives Treated (9/26/2023)

Old Fence Removed (10/31/2023)