

**Arborist Report for Project Site Located at:**

**1645 Strawberry Rd**

**Yorktown, NY 10547**

**Prepared for:**



**1 Landmark Square, Suite 320**

**Stamford, CT 06901**

**Prepared by:**



**PLANIT GEO™**  
mapping a greener future

**7878 Wadsworth Blvd, Suite 340**

**Arvada, CO 80003**

**(303)214-5067**

**[info@planitgeo.com](mailto:info@planitgeo.com)**

**Contact: Nathan Cummings**

**ISA Certified Arborist #NY-6214A**

May 25, 2021

On May 17, 2021, PlanIT Geo's ISA Certified Arborist Nathan Cummings met with Brian Matthews from Green Street Power Partners at the project site located at 1645 Strawberry Rd in Yorktown, New York to review the site and discuss the project scope and boundaries for an inventory of trees on the property.

While on site, Mr. Matthews walked the project boundaries with Mr. Cummings and discussed overall goals of the project. Data was collected on-site using a handheld mobile device and PlanIT Geo's tree inventory software, TreePlotter. Data collected during the project included: tree location (latitude and longitude), species, condition rating (Excellent, Good, Fair, Poor), diameter at breast height (DBH) measured to the nearest inch, as well as standard arboriculture observations. Upon initial walkthrough, it was determined and agreed upon that 8" DBH would be the threshold for inclusion in the survey. This size threshold was agreed upon to include an accurate representation of trees within the canopy and tree species diversity on-site. Dead trees were not included in the inventory.

The inventory area at the project site located at 1645 Strawberry Rd encompasses 15 acres. While conducting the inventory, it was observed that the upper (emergent) layer of the canopy consisted mainly of sugar maple (*Acer saccharum*) and red maple (*Acer rubrum*), with smaller percentages of black locust (*Robinia pseudoacacia*) and tulip tree (*Liriodendron tulipifera*). The understory is mainly sugar maple (*Acer saccharum*) and red maple (*Acer rubrum*), with smaller percentages of black locust (*Robinia pseudoacacia*), Norway maple (*Acer platanoides*), and shagbark hickory (*Carya ovata*). There is spotty ground cover throughout the inventory area of wild rose (*Rosa spp.*) and Japanese barberry (*Berberis thunbergii*), which is listed as a "prohibited and regulated invasive plant" per New York State Department of Environmental Conservation.

The tree inventory of the property identified a total of 638 trees within the canopy measuring 8" or larger in DBH. Composition and condition of the 638 inventoried trees is shown in Table 1 below:

**Table 1: Tree Inventory Composition & Condition**

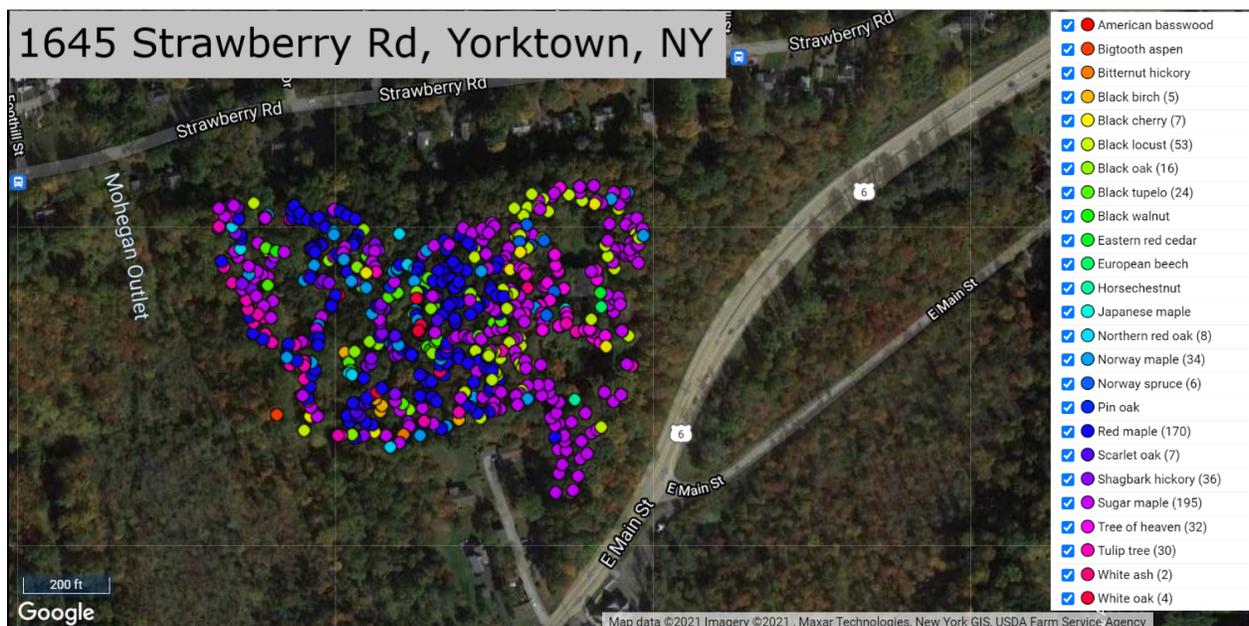
Common Name	Total	Percent (%)	Excellent	Good	Fair	Poor
Sugar maple	195	30.56	0	179	12	4
Red maple	170	26.65	0	154	11	5
Black locust	53	8.31	0	5	11	37
Shagbark hickory	36	5.64	0	31	5	0
Norway maple	34	5.33	0	31	3	0
Tree of heaven	32	5.02	0	0	31	1
Tulip tree	30	4.70	0	26	3	1
Black tupelo	24	3.76	0	18	6	0
Black oak	16	2.51	0	16	0	0
Northern red oak	8	1.25	0	8	0	0
Black cherry	7	1.10	0	6	1	0
Scarlet oak	7	1.10	0	7	0	0

Common Name	Total	Percent (%)	Excellent	Good	Fair	Poor
Norway spruce	6	0.94	0	3	2	1
Black birch	5	0.78	0	4	1	0
White oak	4	0.63	0	4	0	0
White ash	2	0.31	0	0	0	2
American basswood	1	0.16	0	1	0	0
Bigtooth aspen	1	0.16	0	0	1	0
Bitternut hickory	1	0.16	0	1	0	0
Black walnut	1	0.16	0	1	0	0
Eastern red cedar	1	0.16	0	0	1	0
European beech	1	0.16	0	0	0	1
Horsechestnut	1	0.16	0	0	0	1
Japanese maple	1	0.16	0	1	0	0
Pin oak	1	0.16	0	1	0	0

## Tree Species Composition

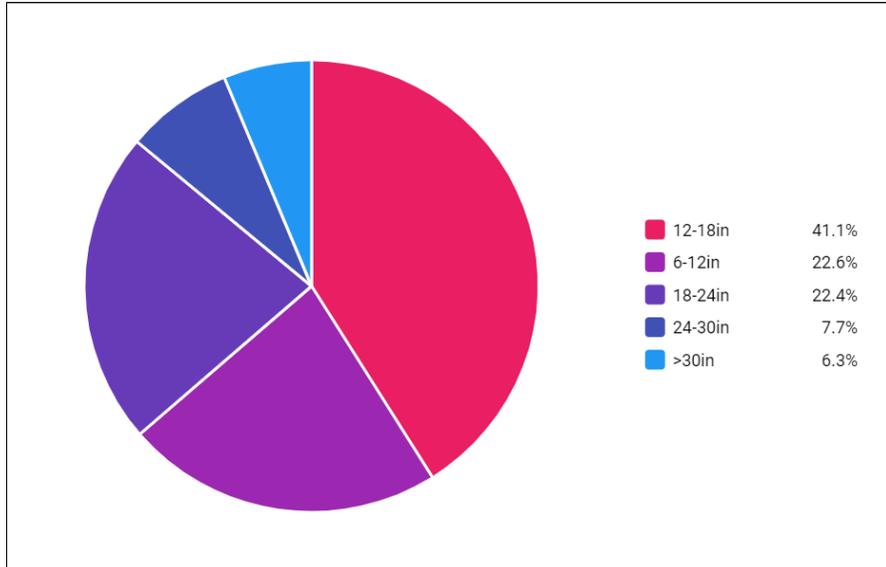
Of the 638 trees inventoried within the inventory area, the predominant species are sugar maple (*Acer saccharum*) and red maple (*Acer rubrum*), comprising over 57% of the total trees inventoried. Black locust (*Robinia pseudoacacia*) accounted for 8.31%. Shagbark hickory (*Carya ovata*), Norway maple (*Acer platanoides*), tree of heaven (*Ailanthus altissima*), and tulip tree (*Liriodendron tulipifera*) accounted for roughly 5% each. The remaining 15% of trees within the inventory area consist of the other 18 species listed in the table above and the site map below.

## Site Map - Tree Species (common name)

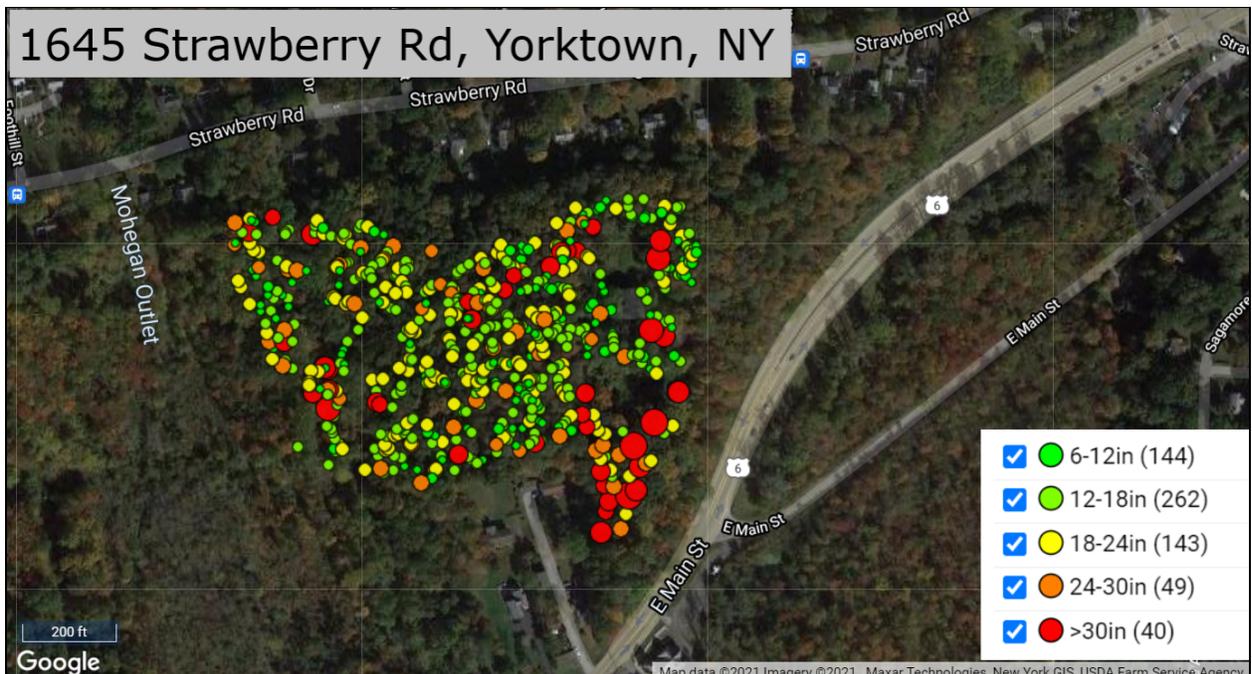


## Tree Size Distribution

Diameter at breast height (DBH) was measured for all trees within the scope of the inventory to the nearest inch and assigned a DBH range. Of the 638 trees inventoried, 144 (22.57%) measured 6-12 inches, 262 (41.07%) measured 12-18 inches, 143 (22.41%) measured 18-24 inches, 49 (7.68%) measured 24-30 inches, and 40 (6.27%) measured 30 inches or greater.



## Site Map - Tree DBH Range



## **Conclusion and Disclaimer**

Arborists are tree specialists who use their education, knowledge, training and experience to examine and identify trees, recommend measures to enhance the beauty and health of trees, or attempt to reduce the risk of living near trees. Arborists cannot detect every condition that could possibly lead to structural failure of a tree or anticipate all environmental factors that could contribute to failure; as a living organism, a tree's condition may change at any time. Since these trees are within the proposed project area and are to be removed, this report does not include any maintenance recommendations or tree risk assessments. This report is solely intended for the purpose of identifying arboricultural resources onsite that may be subject to regulation by the Town of New Castle, NY.