

Native Tree Society BioBlitz Report for Burbank Park, Pittsfield, MA

By Robert T. Leverett

106 Morningside Drive, Florence, MA

dbhguru@comcast.net

413-584-3017 hm, 413-320-8894 cell

Species Identified:

Scientific name	Common name	Representation	Old specimens
Acer saccharum	Sugar maple	Common	Common
Acer rubrum	Red maple	Scattered	Scattered
Acer pensylvanicum	Striped maple	Infrequent	Not observed
Carya glabra	Pignut hickory	Infrequent	Not observed
Prunus serotina	Black cherry	Scattered	Small number
Betula alleghaniensis	Yellow birch	Infrequent	Two seen
Betula lenta	Black birch	Common	Common
Betula papyrifera	White birch	Infrequent	A few
Betula populifolia	Gray birch	Rare	Not observed
Ulmus rubra	Slippery elm	Scattered	Not observed
Fraxinus Americana	White ash	Scattered	Scattered
Tilia Americana	American basswood	Rare	Not observed
Populus deltoides	Eastern cottonwood	Scattered	Not observed
Populus grandidentata	Bigtooth aspen	Scattered	Scattered
Tsuga Canadensis	Eastern hemlock	Scattered	Not observed
Pinus strobus	Eastern white pine	Clustered	Rare
Hamamelis virginiana	Witch Hazel	Scattered	Not observed
Quercus rubra	Northern red oak	Common	Scattered
Fagus grandifolia	American beech	Common	Scattered
Rhus typhina	Staghorn sumac	Clustered	Not observed
Cornus sericea (?)	Redosier dogwood	Clustered	Not observed
	Willow	ecotone	Not observed
Populus alba	White poplar	Rare	One observed

(over)

Measurement Summary

Common name	Largest Girth Measured	Tallest Measured
Sugar maple	11.0 ft	106.5 ft
Black cherry		107.0 ft
White birch	7.5 ft	88.0 ft
White ash		99.0 ft
Eastern white pine	10.0 ft	134.5 ft
N. red oak	12.2 ft	108.8 ft
White poplar	11.0 ft	112.5 ft

Notes:

1. A sample of conspicuous trees of several species were measured for either girth, height, or both dimensions. The results follow.
 - a. The heights of 12 white pines were measured. Three exceed 130 feet, with 134.5 being the maximum. Six others are between 120 and 129.9 feet. The age of the stand appears to be between 115 and 140 years. However, this needs to be confirmed. Overall, the pines have a lot of growth left in them.
 - b. The Park has an impressive collection of big girth, tall northern red oaks. This species may be the most outstanding of all represented species. Ten oaks were measured. Two have girths that exceed 12 feet. Two more exceed 11. A large double-trunked northern red oak measured 16 feet in girth.
 - c. Heights exceed 100 feet for probably a dozen or more on the property. However, these broad-crowned hardwoods cannot be easily measured when leafed out. When the leaves fall, measuring all the larger and/or older oaks would be a worthwhile project. Four sugar maples were measured to heights between 100 and 106.5 feet. Many of the maples appear to be over 200 years in age.
 - d. Based on what we saw, white pine, hemlock, northern red oak, sugar maple, white ash, and black cherry exceed 100 feet in height. A single white poplar reaches 112.5 feet. Red maple and black birch may make 100 feet. A worthwhile project would be to confirm all the species that reach specified height and girth thresholds to provide a basis of comparing the Park's woods to other important stands of trees elsewhere.