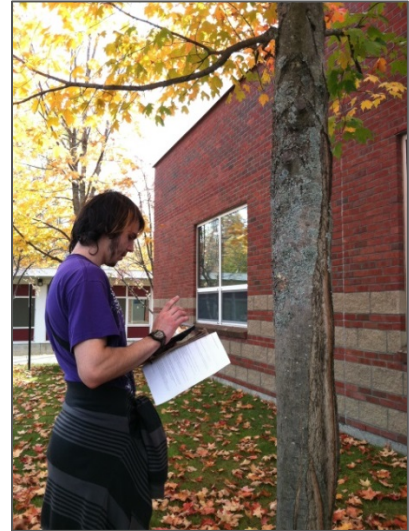


Results from Northfield Schools Tree Inventory

On October 14th, 2014, VT UCF staff trained the Students Taking Alternate Routes (STAR) program participants from Northfield High School in basic tree identification and the VT UCF public tree inventory system. After the training, the students split into small teams and inventoried 85 trees on the Northfield Elementary and Northfield Middle/High School properties.



The 85 Northfield Schools trees were not included in the Northfield Public Tree Inventory and are not included in the results or discussion section of this overall report; they are, however, accessible on ANR Atlas and as part of the Northfield urban forest should be considered in future urban forest decisions and assessments. The results from the Northfield Schools inventory are summarized below.

Forest Diversity

- The 85 Northfield Schools trees inventoried represent 14 species (Figure 15) in 13 genera.
- The most common tree species is crabapple (*Malus spp.*) with 20 trees (24%), followed by American linden (*Tilia americana*) with 15 trees (18%) and northern white-cedar (*Thuja occidentalis*) with 12 trees (14%).

Forest Structure

- 51% (43) of the Northfield Schools trees had a diameter at breast height (DBH) measurement of 6-12". Of the remaining trees, 9% (8) were 0-3", 28% (24) were 3-6", 11% (9) were 12-18", and just one tree (1%) was over 18" in diameter.
- The DBH measurements indicate the age structure of the Northfield Schools trees; most of the trees are young or are approaching maturity and there are few mature trees on the campus.

Forest Health

- The vast majority (87% or 74) of the Northfield Schools trees was assessed to be in “Good” condition, 8% (7) were in “Fair” condition, and 5% (4) were in “Poor” condition (Figure 17).
- There were no “Dead” trees on the Northfield Schools grounds, but 7 trees were recommended for a consultation by a trained arborist or the Northfield Tree Warden.

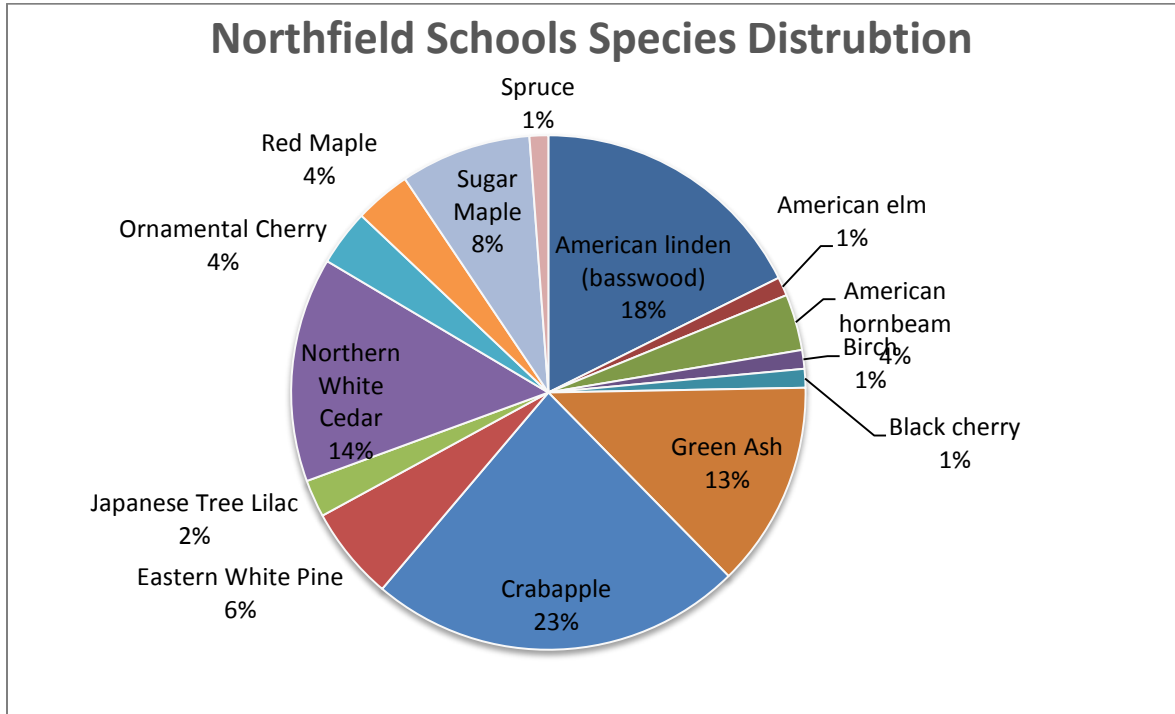


Figure 1: Species distribution of Northfield Schools trees by percent.

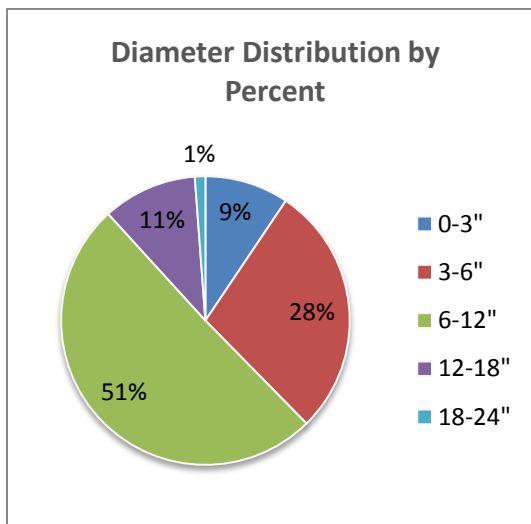


Figure 16: Diameter distribution by percent.

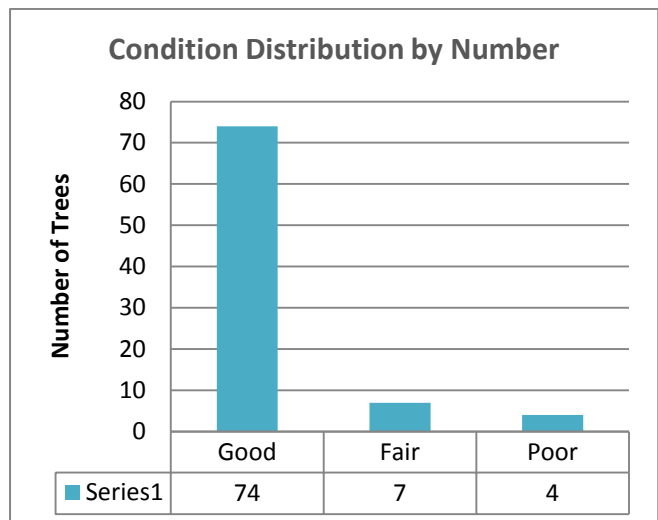


Figure 17: Condition distribution by number.

