Arboretum Mission: Since 1833, we’ve been committed to the care and diversity of our campus trees.

Normal Operations: Our mission has been to ensure the health and safety of both our collection and the people that live, work and visit Haverford College. We plant and maintain for ourselves, our children and for future generations.

Concerns: We are stewards to an aging tree collection. Recent failures have necessitated the need to evaluate their structural integrity and overall health of various trees on campus.
Rationale for The 2017 Tree Assessment
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Criteria For Assessment

Develop a Risk Assessment Management Plan (RAMP) to ensure the health, safety, review the duty of care, and preservation of campus trees.

Assessment was divided into two parts:
• Core Campus
  • 1,500 trees with a diameter at breast height of 20” +
  • “Level 2” Assessment
  • “Level 3” Assessment as needed
• Nature Trail
  • All trees regardless of size.
Haverford College – Tree Management Schedule - 2017

- **Start of Inspection**: June 21st
- **Meeting to discuss Findings**: June 21st through August 1st
- **RFP**: August 11th
- **Fall**: September
- **Begin Implementation**: Continuation of Assessment
1. Tree Reference Number
2. Species
3. Height in Feet
4. Stem Diameter
5. Physiological Condition
6. Category Grading/Structural Condition
7. Management Recommendations
## Scope of Recommendations

<table>
<thead>
<tr>
<th>Observations</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Condition of Core Campus Collection</td>
<td>Fair</td>
</tr>
<tr>
<td>Generalized Care of Collection</td>
<td>Above Average</td>
</tr>
<tr>
<td>Cultural Practices Implemented (Soil management, mulching, fertilization)</td>
<td>Below Average</td>
</tr>
<tr>
<td>Compaction (PSI)</td>
<td>Average: 400 (Optimal is 200-250)</td>
</tr>
<tr>
<td>Core Campus Trees Reviewed-Level 2</td>
<td>2,376</td>
</tr>
<tr>
<td>Trail System trees reviewed-Level 1</td>
<td>662 Trees</td>
</tr>
<tr>
<td>Trail System trees requiring care</td>
<td>306 Trees</td>
</tr>
</tbody>
</table>
## Scope of Recommendations

<table>
<thead>
<tr>
<th>Task: 5,000 Trees</th>
<th>Tree Canopy Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tree removals over 5-year period</td>
<td>406</td>
</tr>
<tr>
<td>Hazard Pruning Campus Wide</td>
<td>408</td>
</tr>
<tr>
<td>Core Campus Pruning and Removals</td>
<td>Scheduled over the next five years</td>
</tr>
<tr>
<td>Nature Trail Pruning and Removals</td>
<td>Scheduled over the next three years</td>
</tr>
<tr>
<td>Replanting and Soil Remediation Starts</td>
<td>Immediately</td>
</tr>
</tbody>
</table>
Climate Change and Forest Fragmentation

- Making our campus healthier
- Planting for the future
Replanting Scope

An additional $250,000 has been allocated over the next 5 years for replanting and improving cultural practices of the collection.

• Large trees on Founders Green and Commencement area (25’ to 30’ specimens)

• Many smaller specimens across campus (2-3” caliper range).
  • Current Arboretum policy is two trees planted for every one removed.
Replanting: Community Engagement

- Volunteer plantings on the nature trail
- Summer camp planting projects. Serendipity and Carousel Connections.
- Partner with Friends School Haverford on small plant nursery
- Communicate with alumni and friends about the assessment and its implications.
- Communicate with friends and neighbors about this assessment, these recommendations, and support for the project.
Replanting: Campus Engagement

- First year class: end of year planting.
- Student body: Earth Day planting event.
- Residential faculty: offer a “tree adoption” program, i.e. new campus tree for them to plant and care for.
- Departments: offer similar “tree adoption” program
- Alumni body: Earth Day Crowding Event
Thank You!

For Contact Information:
Please visit our contact page.