

Key Findings

This summary provides street tree inventory results compiled for the Jade Business District, along with Portland Parks & Recreation (PP&R) Urban Forestry staff recommendations for the Jade District street tree planning. Data on each of the neighborhood's 251 street trees has been extracted from complete inventories for Montavilla, South Tabor, and Powellhurst-Gilbert neighborhoods.

URBAN FOREST STRUCTURE

- **The Jade District's street tree population is dominated by pear, red maple, Norway maple, and cherry, and does not meet recommended species diversity guidelines.** While 34 tree types were found in this inventory, only two families, Rosaceae and Sapindaceae, account for 74% of the street tree resource. Furthermore, at more than triple the recommended threshold, the *Acer* (maple) genus is over represented leaving the Jade District's street tree population vulnerable to pests, pathogens, and effects of a changing climate.
- **The dominance of broadleaf deciduous trees (93%) points to a need to plant more evergreen trees for year-round benefits and to help create a more resilient, sustainable urban forest.**
- **Only 23.9% of trees in the Jade District are young (<3" DBH), leaving few trees to offset mortality as the population ages. Frequent planting of young trees help to ensure a stable street tree population with a healthier age distribution in the future.**
- **Only 12% of the Jade District's street trees are large form variety.** Large form trees are necessary to increase canopy cover and the benefits they provide for the Jade District's residents. Replacing poor condition, undersized trees in large planting sites with large form trees will ensure that maximum benefits are provided as the canopy develops.

TREE CONDITION

- **The majority of trees inventoried in the Jade District are in fair or good condition,** however, 47.6% of the trees that are rated poor are in the Rosaceae family and 37.5% of the trees that are rated poor are in the Sapindaceae family. A third of all cherry trees are in poor condition.

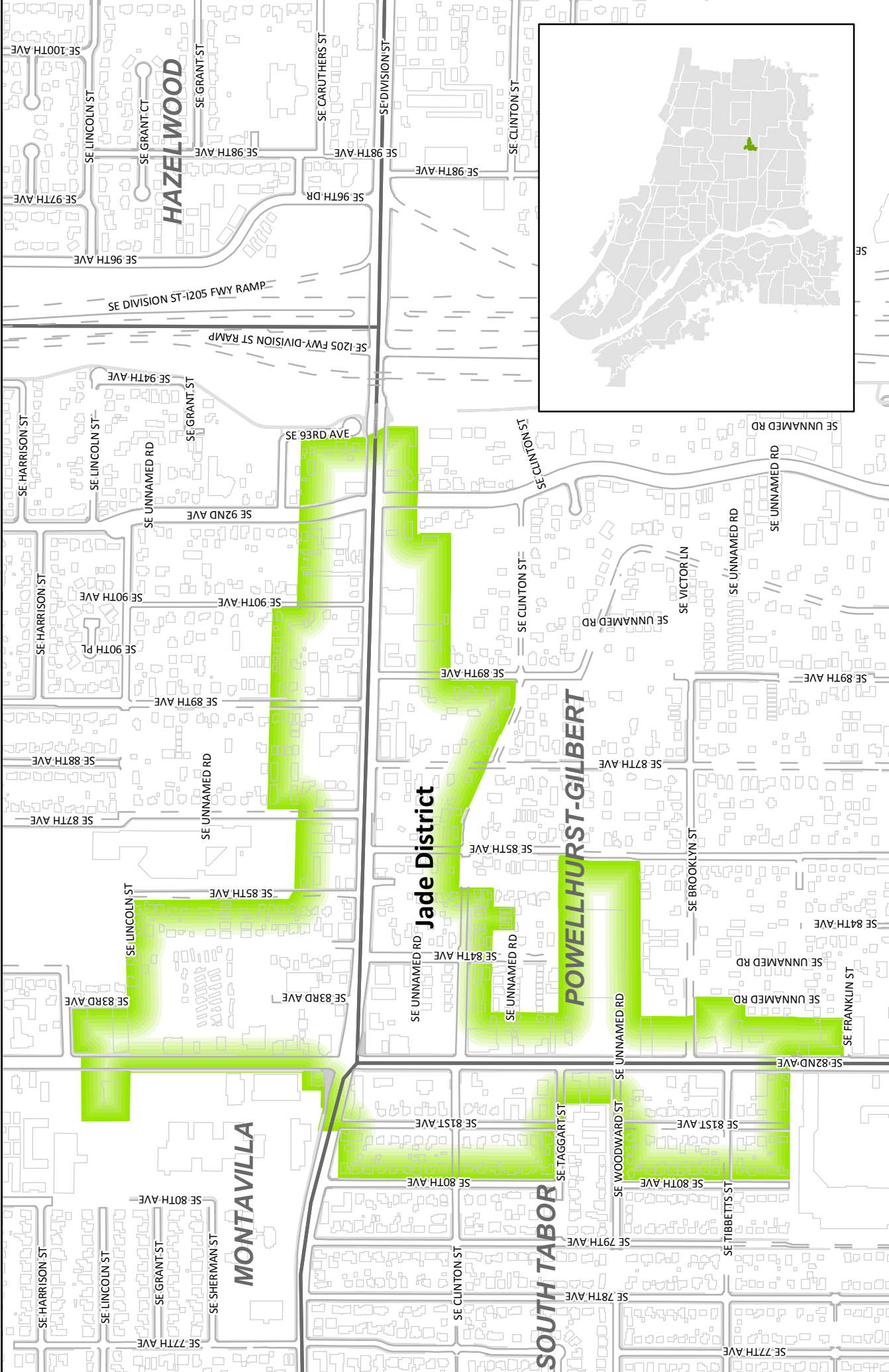
PLANTING SITES AND STOCKING LEVEL

- **Only 48% of street tree planting sites have trees in the Jade District. There are 221 sites that are empty and ready for planting.**
- **Only 20% percent of large planting sites contain trees large enough for the site in the Jade District.** Planting of large trees in large sites is decreasing while medium and small form trees make up over 90% of recently planted trees in large sites. Small form trees planted in large planting sites are a missed opportunity because larger trees contribute many times more benefits than do smaller ones.

URBAN FOREST VALUE AND BENEFITS

- **The Jade District's street trees produce an estimated \$27,265 annually in environmental and aesthetic benefits.** The replacement value of this resource is \$699,308. Planting efforts focused on appropriately sized trees distributed across the neighborhood will ensure that future benefits are equitably distributed among all residents.

Portland Urban Forestry Jade District



Jade District Street Tree Inventory

Trees by size



Jade District Street Tree Inventory

Tree canopy



PORTLAND PARKS & RECREATION

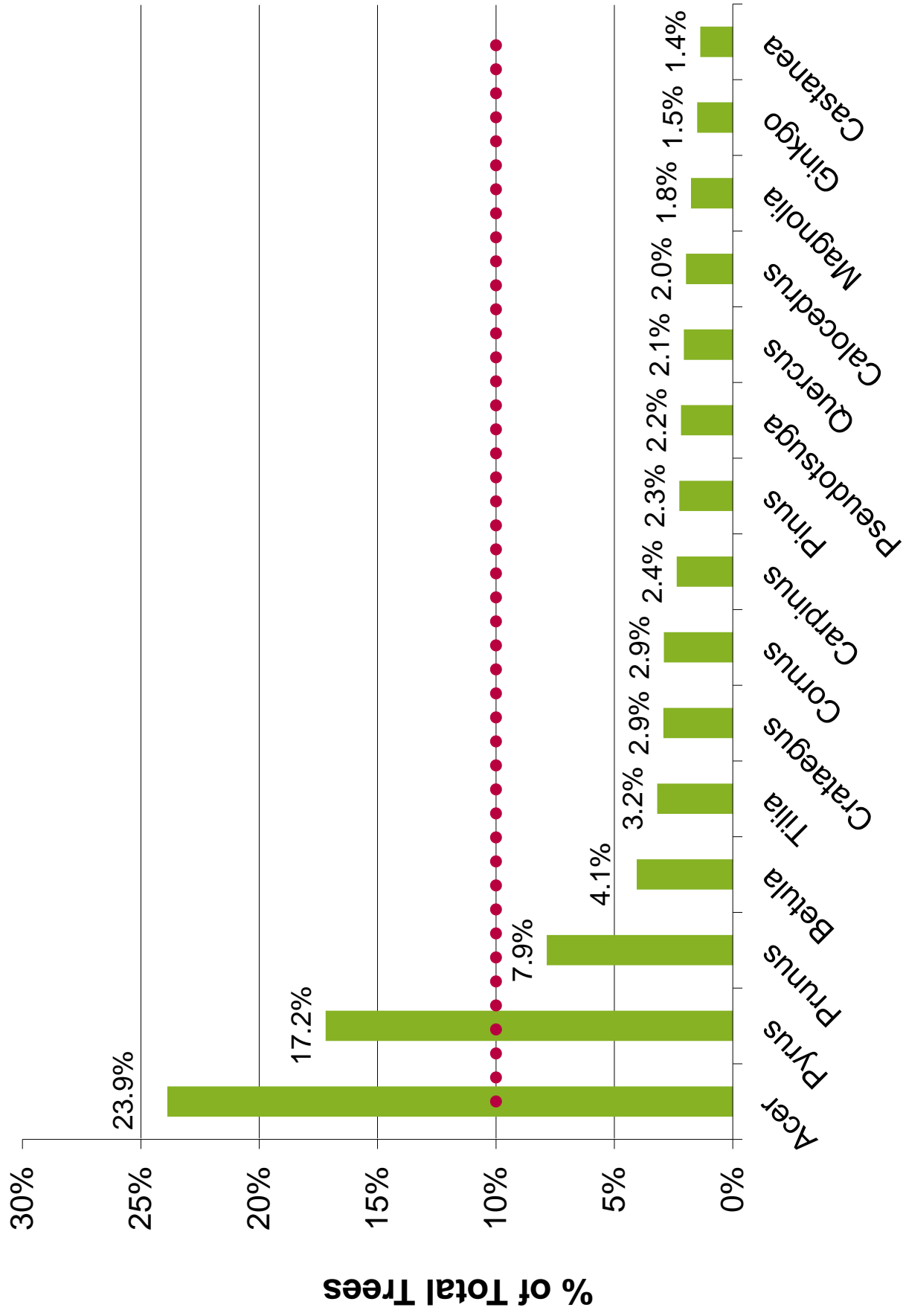
Healthy Parks, Healthy Portland
<http://portlandoregon.gov/parks/recreinventory>

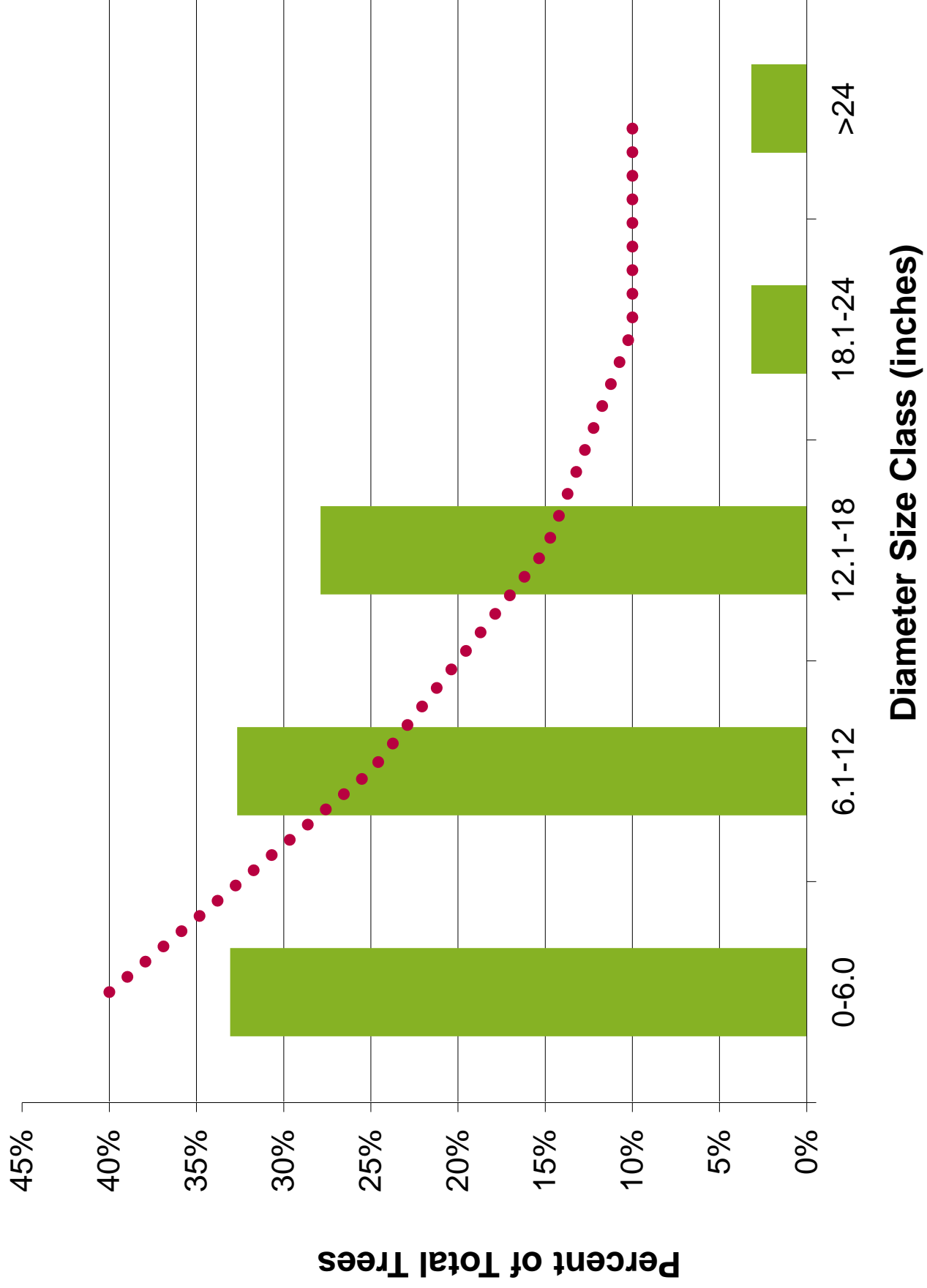


1,000



Feet





Jade District Street Tree Inventory

Available street tree planting sites

