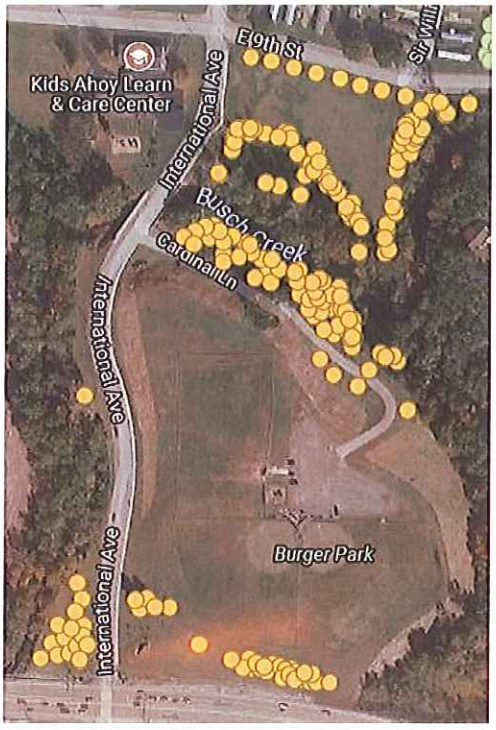
Davey Resource Group

Burger Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Burger Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Burger Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:



- A total of 196 trees were inventoried within the Park.
- The inventory found 32 species representing 22 genera.
- The genus *Quercus* (oak) comprised 34% of the tree population, followed by *Acer* (maple), 16%; *Populus* (poplar), 5%; *Cercis* (redbud), 5%; *Ulmus* (elm), 5%; *Pinus* (pine), 5%; and all other species, 31%.
- There were 152 trees found to be in Good condition (78%), 32 in Fair condition (16%), 10 in Poor condition (5%), and 1 in Critical condition (less than 1%). There was 1 Dead tree (less than 1%).
- The Trees in Burger Park provide $8,214.38 in Annual Benefits
  - $64.30 in Carbon avoidance and sequestration.
  - $1,389.02 in Stormwater runoff reduction.
  - $470.21 in Energy savings.
  - $146.81 in Air quality benefits.
  - $6,144.03 in Aesthetic and Property benefits.
- All 196 trees were found to be Low Risk trees.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

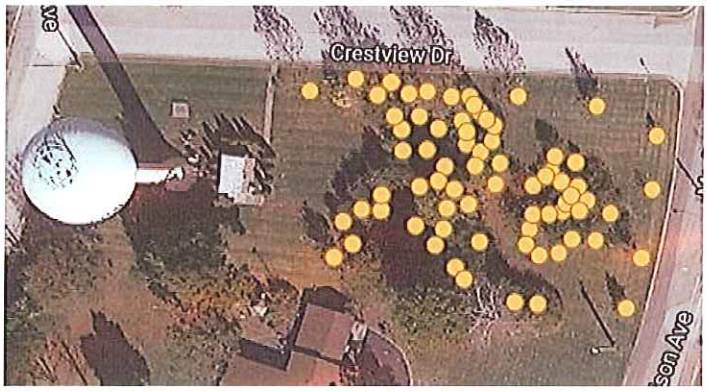
Crestview Water Tower Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Crestview Water Tower in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Crestview Water Tower, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 73 trees were inventoried within the Park.
- The inventory found 28 species representing 20 genera.
- The genus *Quercus* (oak) comprised 12% of the tree population, followed by *Viburnum* (viburnum), 11%; *Pinus* (pine), 10%; *Cornus* (dogwood), 8%; *Cercis* (redbud), 8%; *Platanus* (sycamore), 7%; and all other species, 44%.
- There were 67 trees found to be in Good condition (92%), 4 in Fair condition (5%), and 2 in Poor condition (3%). There were 0 Dead trees (0%).
- The Trees at Crestview Water Tower provide $1,969.68 in Annual Benefits
    - $13.89 in Carbon avoidance and sequestration.
    - $212.84 in Stormwater runoff reduction.
    - $77.00 in Energy savings.
    - $28.62 in Air quality benefits.
    - $1,637.33 in Aesthetic and Property benefits.
- All 73 trees were found to be Low Risk trees.



The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

Eckelcamp Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Eckelcamp Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Eckelcamp Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 24 trees were inventoried within the Park.
- The inventory found 14 species representing 11 genera.
- The genus *Quercus* (oak) comprised 21% of the tree population, followed by *Pinus* (pine), 17%; *Platanus* (sycamore), 13%; *Acer* (maple), 8%; *Ulmus* (elm), 7%; and all other species, 33%.
- There were 19 trees found to be in Good condition (79%), and 5 in Fair condition (21%). There were 0 Dead trees (0%).
- The Trees in Eckelcamp Park provide $1,635.16 in Annual Benefits
    - $23.23 in Carbon avoidance and sequestration.
    - $534.04 in Stormwater runoff reduction.
    - $158.25 in Energy savings.
    - $58.38 in Air quality benefits.
    - $861.27 in Aesthetic and Property benefits.
- All 24 trees were found to be Low Risk trees.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

Heritage Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Heritage Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Heritage Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 6 trees were inventoried within the Park.
- The inventory found 3 species representing 3 genera.
- The genus *Cercis* (redbud) comprised 50% of the tree population, followed by *Gymnocladus* (coffeetree), 33%; and *Malus* (crabapple), 17%.
- All 6 trees were found to be in Good condition (100%). There were 0 Dead trees (0%).
- The Trees in Heritage Park provide $112.77 in Annual Benefits
    - $0.45 in Carbon avoidance and sequestration.
    - $5.08 in Stormwater runoff reduction.
    - $1.97 in Energy savings.
    - $0.84 in Air quality benefits.
    - $104.43 in Aesthetic and Property benefits.
- All 6 trees were found to be Low Risk trees.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

Hillermann Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Hillermann Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Hillermann Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 868 trees were inventoried within the Park.
- The inventory found 74 species representing 42 genera.
- The genus *Quercus* (oak) comprised 29% of the tree population, followed by *Acer* (maple), 14%; *Platanus* (sycamore), 9%; *Taxodium* (cypress), 6%; *Ulmus* (elm), 5%; *Juglans* (walnut), 5%: and all other species, 32%.
- There were 2 trees found to be in Excellent condition (less than 1%), 662 in Good condition (76%), 172 in Fair condition (20%), 27 in Poor condition (3%), and 1 in Critical condition (less than 1%). There were 4 Dead trees (less than 1%).
- The Trees in Hillermann Park provide $50,696.76 in Annual Benefits
    - $690.17 in Carbon avoidance and sequestration.
    - $12,903.16 in Stormwater runoff reduction.
    - $4,524.11 in Energy savings.
    - $1,435.28 in Air quality benefits.
    - $31,144.04 in Aesthetic and Property benefits.
- There were 8 trees found to have Moderate Risk and 860 with Low Risk trees.

Hillermann Park is a highly used Park that includes the Fairgrounds. Its central lake and walking trails provide a scenic and calm place to relax. Because it is so highly used, removals and maintenance of Moderate Risk trees should take place as soon as possible.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

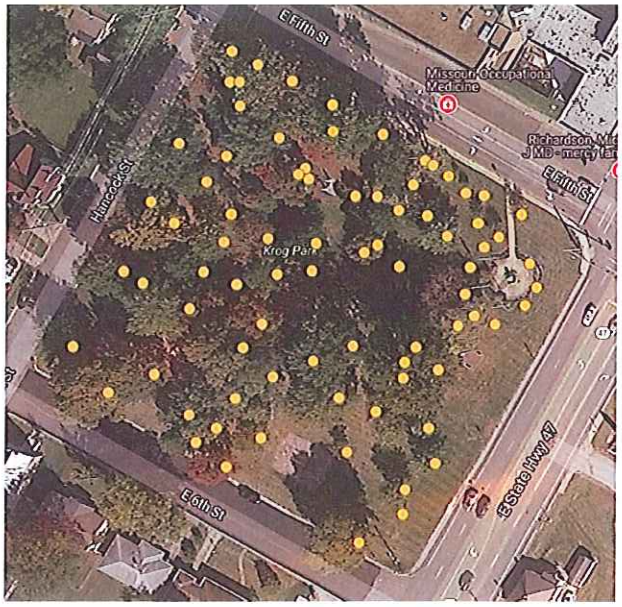
Krog Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Krog Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Krog Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 81 trees were inventoried within the Park.
- The inventory found 26 species representing 18 genera.
- The genus *Acer* (maple) comprised 19% of the tree population, followed by *Quercus* (oak), 17%; *Cornus* (dogwood), 11%; *Sassafrass* (sassafrass), 9%; *Celtis* (hackberry), 7%; and all other species, 33%.
- There were 61 trees found to be in Good condition (75%), 16 in Fair condition (20%), and 4 in Poor condition (5%). There were 0 Dead trees (0%).
- The Trees in Krog Park provide $5,341.56 in Annual Benefits
    - $82.91 in Carbon avoidance and sequestration.
    - $1,671.59 in Stormwater runoff reduction.
    - $579.36 in Energy savings.
    - $183.25 in Air quality benefits.
    - $2,824.45 in Aesthetic and Property benefits.
- All 81 trees were found to be Low Risk trees.



The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

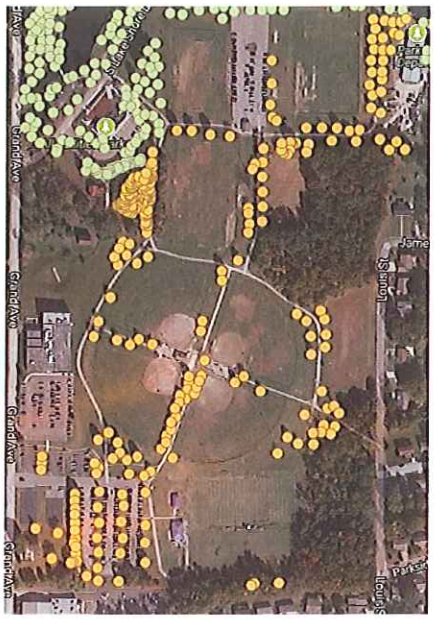
Lakeview Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Lakeview Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Lakeview Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 329 trees were inventoried within the Park.
- The inventory found 50 species representing 30 genera.
- The genus *Quercus* (oak) comprised 23% of the tree population, followed by *Acer* (maple), 15%; *Pinus* (pine), 9%; *Fraxinus* (ash), 8%; *Ulmus* (elm), 5%; *Celtis* (hackberry), 5%; and all other species, 34%.
- There were 219 trees found to be in Good condition (67%), 85 in Fair condition (26%), and 18 in Poor condition (5%). There were 7 Dead trees (2%).
- The Trees in Lakeview Park provide $18,058.46 in Annual Benefits
    - $235.08 in Carbon avoidance and sequestration.
    - $3,489.08 in Stormwater runoff reduction.
    - $1,256.57 in Energy savings.
    - $405.91 in Air quality benefits.
    - $12,671.83 in Aesthetic and Property benefits.
- All 329 trees were found to be Low Risk trees.



The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

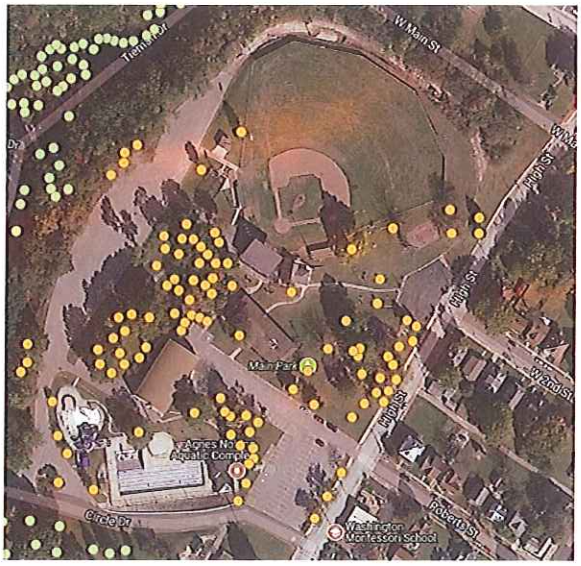
Washington City Main Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Washington City Main Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Washington City Main Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 105 trees were inventoried within the Park.
- The inventory found 26 species representing 19 genera.
- The genus *Acer* (maple) comprised 21% of the tree population, followed by *Quercus* (oak), 19%; *Ulmus* (elm), 12%; *Pinus* (pine), 9%; *Cercis* (redbud), 7%; and all other species, 32%.
- There were 64 trees found to be in Good condition (61%), 32 in Fair condition (31%), and 9 in Poor condition (8%). There were 0 Dead trees (0%).
- The Trees in Washington City Main Park provide $6,890.60 in Annual Benefits
  - $97.27 in Carbon avoidance and sequestration.
  - $2,504.10 in Stormwater runoff reduction.
  - $767.88 in Energy savings.
  - $254.32 in Air quality benefits.
  - $3,267.03 in Aesthetic and Property benefits.
- There were 3 trees found to have a Moderate Risk rating, with the remaining 102 having a Low Risk rating.



The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

McLaughlin Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of McLaughlin Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

McLaughlin Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 25 trees were inventoried within the Park.
- The inventory found 8 species representing 5 genera.
- The genus *Quercus* (oak) comprised 52% of the tree population, followed by *Lagerstroemia* (crapemyrtle), 20%; *Ulmus* (elm), 16%; *Pyrus* (pear), 8%; and *Ostrya* (hop hornbeam), 4%.
- There were 22 trees found to be in Good condition (88%), and 3 in Fair condition (12%). There were 0 Dead trees (0%).
- The Trees in McLaughlin Park provide $722.02 in Annual Benefits
    - $2.99 in Carbon avoidance and sequestration.
    - $40.97 in Stormwater runoff reduction.
    - $17.64 in Energy savings.
    - $5.79 in Air quality benefits.
    - $654.64 in Aesthetic and Property benefits.
- All 25 trees were found to be Low Risk trees.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

Optimist Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Optimist Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Optimist Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 78 trees were inventoried within the Park.
- The inventory found 30 species representing 22 genera.
- The genus *Fraxinus* (ash) comprised 21% of the tree population, followed by *Quercus* (oak), 12%; *Betula* (birch), 9%; *Pinus* (pine), 9%; *Gymnocladus* (Kentucky coffeetree), 8%; and all other species, 42%.
- There were 2 trees found to be in Excellent condition (3%), 43 in Good condition (55%), 26 in Fair condition (33%), 6 in Poor condition (8%), and 1 in Critical condition (1%). There were 0 Dead trees (0%).
- The Trees in Optimist Park provide $3,766.14 in Annual Benefits
    - $48.68 in Carbon avoidance and sequestration.
    - $949.87 in Stormwater runoff reduction.
    - $358.68 in Energy savings.
    - $107.67 in Air quality benefits.
    - $2,301.24 in Aesthetic and Property benefits.
- All 78 trees were found to be Low Risk trees.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

Phoenix Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Phoenix Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Phoenix Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 275 trees were inventoried within the Park.
- The inventory found 38 species representing 27 genera.
- The genus *Acer* (maple) comprised 16% of the tree population, followed by *Quercus* (oak), 10%; *Betula* (birch), 10%; *Malus* (crabapple), 9%; *Ulmus* (elm), 7%; and all other species, 37%.
- There were 183 trees found to be in Good condition (66%), 90 in Fair condition (33%), and 2 in Poor condition (1%). There were 0 Dead trees (0%).
- The Trees in Phoenix Park provide $9,252.28 in Annual Benefits
    - $50.15 in Carbon avoidance and sequestration.
    - $596.96 in Stormwater runoff reduction.
    - $219.00 in Energy savings.
    - $80.49 in Air quality benefits.
    - $8,305.67 in Aesthetic and Property benefits.
- All 275 trees were found to be Low Risk trees.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

Rennick Riverfront Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Rennick Riverfront Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Rennick Riverfront Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 123 trees were inventoried within the Park.
- The inventory found 28 species representing 21 genera.
- The genus *Acer* (maple) comprised 23% of the tree population, followed by *Quercus* (oak), 11%; *Populus* (poplar), 11%; *Taxodium* (baldcypress), 11%; *Morus* (mulberry), 7%; *Cercis* (redbud), 7%; and all other species, 33%.
- There were 61 trees found to be in Good condition (50%), 36 in Fair condition (29%), and 25 in Poor condition (20%). There was 1 Dead tree (1%).
- The Trees in Rennick Riverfront Park provide $6,501.34 in Annual Benefits
    - $64.79 in Carbon avoidance and sequestration.
    - $1,823.69 in Stormwater runoff reduction.
    - $697.29 in Energy savings.
    - $182.83 in Air quality benefits.
    - $3,732.75 in Aesthetic and Property benefits.
- There was 1 tree found to have a Moderate Risk, with the remaining 122 trees having a Low Risk.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

Rotary Riverfront Trail Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of Rotary Riverfront Trail in Washington, Missouri in February 2018. All trees within the Park were inventoried.

Rotary Riverfront Trail, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 234 trees were inventoried along the Trail.
- The inventory found 20 species representing 12 genera.
- The genus *Quercus* (oak) comprised 36% of the tree population, followed by *Platanus* (sycamore), 18%; *Populus* (poplar), 17%; *Acer* (maple), 11%; and all other species, 18%.
- There were 160 trees found to be in Good condition (68%), 45 in Fair condition (19%), 18 in Poor condition (8%), and 5 in Critical condition (2%). There were 6 Dead trees (3%).
- The Trees along the Rotary Riverfront Trail provide $12,053.22 in Annual Benefits
    - $101.14 in Carbon avoidance and sequestration.
    - $3,133.88 in Stormwater runoff reduction.
    - $1,142.32 in Energy savings.
    - $307.49 in Air quality benefits.
    - $7,368.39 in Aesthetic and Property benefits.
- There were 3 trees found to have a Moderate Risk, with the remaining 231 trees having a Low Risk.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

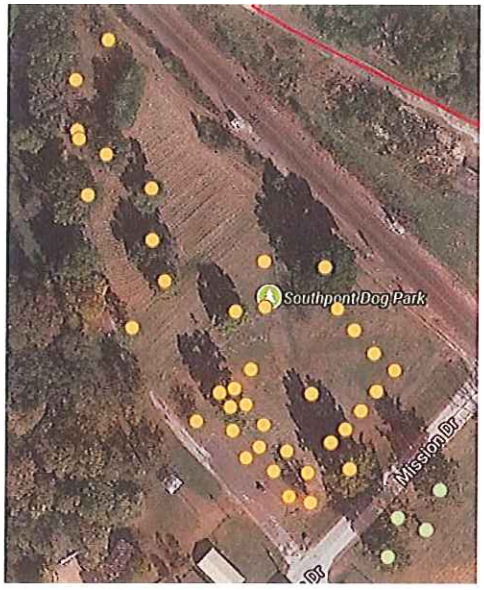
Davey Resource Group

South Point Bark Park Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of South Point Bark Park in Washington, Missouri in February 2018. All trees within the Park were inventoried.

South Point Bark Park, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:



- A total of 39 trees were inventoried within the Park.
- The inventory found 14 species representing 10 genera.
- The genus *Taxodium* (baldcypress) comprised 21% of the tree population, followed by *Acer* (maple), 15%; *Ulmus* (elm), 15%; *Betula* (birch), 13%; *Catalpa* (catalpa), 8%; and all other species, 28%.
- There were 27 trees found to be in Good condition (69%), 9 in Fair condition (23%), and 3 in Poor condition (8%). There were 0 Dead trees (0%).
- The Trees in South Point Bark Park provide $1,774.62 in Annual Benefits
    - $19.86 in Carbon avoidance and sequestration.
    - $550.14 in Stormwater runoff reduction.
    - $193.72 in Energy savings.
    - $56.82 in Air quality benefits.
    - $954.08 in Aesthetic and Property benefits.
- There was 1 tree found to have a Moderate Risk, with the remaining 38 trees having a Low Risk.

The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group

Davey Resource Group

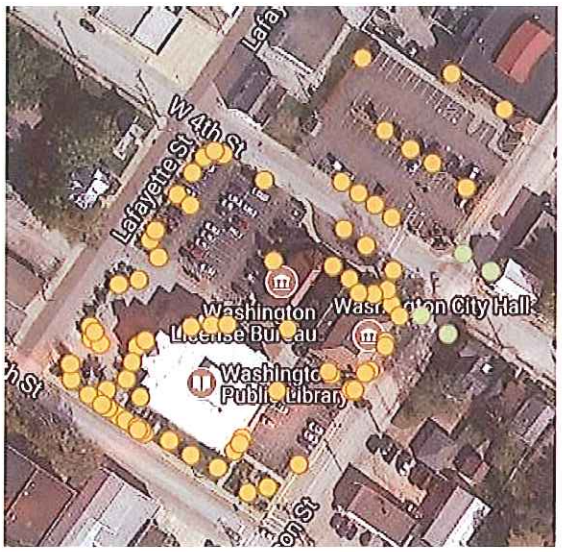
City Hall Tree Inventory
City of Washington, Missouri

Davey Resource Group, Inc. "DRG" completed a geographic information systems-based tree inventory of City Hall in Washington, Missouri in February 2018. All trees within the Park were inventoried.

City Hall, City of Washington, Missouri Tree Inventory

The following statistical summary of the tree population reflects genus and species composition, general condition, tree benefits, and risk ratings:

- A total of 81 trees were inventoried at City Hall.
- The inventory found 20 species representing 16 genera.
- The genus *Lagerstroemia* (crapemyrtle) comprised 16% of the tree population, followed by *Acer* (maple), 12%; *Cercis* (redbud), 11%; *Thuja* (arborvitae), 10%; *Nyssa* (tupelo), 9%; *Ulmus* (elm), 7%; and all other species, 35%.
- There were 69 trees found to be in Good condition (85%), and 12 in Fair condition (15%). There were 0 Dead trees (0%).
- The Trees at City Hall provide $1,920.25 in Annual Benefits
  - $9.21 in Carbon avoidance and sequestration.
  - $166.39 in Stormwater runoff reduction.
  - $58.11 in Energy savings.
  - $21.65 in Air quality benefits.
  - $1,664.89 in Aesthetic and Property benefits.
- All 81 trees were found to be Low Risk trees.



The tree inventory is an important planning tool that should help the Washington Parks establish a systematic program for tree care and determine budget, staff, and equipment needs. Implementation of the maintenance recommendations will improve public safety and help guide future management decisions. When properly maintained, trees return economic, environmental, and social value to the community. These benefits greatly exceed the time and money invested in planting, pruning, protection, and removal.

Some of the environmental benefits trees provide include: shading and acting as windbreaks, which decreases residential energy consumption; slowing and reducing the amount of stormwater that reaches storm drains, rivers, and lakes; reducing noise levels; cleansing atmospheric pollutants; producing oxygen and absorbing carbon dioxide; stabilizing the soil by controlling wind and water erosion; and providing a habitat for wildlife. Additionally, the aesthetic benefits of properly-managed and well-placed trees are numerous. Attractive areas increase property values and appeal to commercial businesses. The shade and beauty trees provide enhance quality of life throughout the Washington Parks.

Davey Resource Group, Inc.
daveyresourcegroup.com
800-828-8312

DAVEY Resource Group