

Arborist Report

To: City of Seattle; EA Engineering; Seattle Pacific University
Site: Seattle Pacific University
Re: SPU MIMP/EIS
Date: November 18, 2021
Revised: June 1, 2022
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Referenced Documents: Seattle Pacific University Concept Plan
Attached: Table of Trees
Tree Site Map

Summary

We inventoried and assessed 1070 trees, 1069 of which remain, within the 2000 Major Institution Overlay (MIO). Additionally, we inventoried an additional 158 trees in the proposed MIO, for a total of 1227 inventoried trees.

Of the trees assessed in the 2000 MIO, 252 met the exceptional tree criteria outlined in the Seattle Director's Rule 16-2008, 158 of which are located within exceptional groves. Twenty-seven grove trees are also exceptional by size. In the expanded MIO, 15 met the exceptional tree criteria by size, for a total of 267 exceptional trees.

In some areas access was limited or properties were not owned by Seattle Pacific University (SPU) and tree sizes were estimated.

One tree (1025) was removed since the original inventory and is not included in the tree counts.

Assignment and Scope of Work

This report documents the visits by Josh Petter, Tyler Bunton, Andrea Starbird, Connor McDermott, and Katie Hogan, of Tree Solutions Inc., in March and April, 2021 to the above referenced site. We were asked to complete a tree inventory and assessment by EA Engineering in preparation for the expanded MIO and revised Major Institution Master Plan (MIMP).

Trees were located using the Global Position System and GLONASS with a Trimble TDC600. This produced a tree map with approximately 1.5 meter accuracy. Tree points were manually adjusted based on the aerial imagery as needed. On parcels that were not owned by the university, or were restricted due to access, tree measurements and locations were estimated from public property.

Observations and Discussion

Site and Trees

The 44 acre university campus is located in the Queen Anne neighborhood and is comprised of numerous buildings and green space.

The understory was a mix of native, ornamental, and invasive plants. There is invasive ivy (*Hedera* spp.), Himalayan blackberry (*Rubus bifrons*), and bindweed (*Convolvulus* spp.) located throughout the campus and existing MIO.

According to Seattle Department of Construction and Inspection (SDCI) GIS map there are two environmentally critical areas (ECA) distributed across much of the campus. There are numerous Steep Slope (40% average)-ECA 1 on the campus. There are also large portions of the site that are classified as Potential Slide Area – ECA2. There are also areas along the ship canal which are within the shoreline designation.

Tree species were varied and included natives, ornamentals, and invasive species. Using i-Tree Eco, the species composition and benefits provided by the trees were calculated and are located in the attached table of trees. The three most common tree species were bigleaf maple (*Acer macrophyllum*), red maple (*Acer rubrum*), and Leyland cypress (*Cuprocyparis leylandii*), at 10.8 percent, 7.2 percent, and 5.1 percent respectively. Increasing tree species diversity is important to urban forest resiliency. New plantings should strive to increase diversity throughout the campus and should avoid these three species. Red maple can be a problematic species in urban areas due to a large concentration of surface and girdling roots, as well as narrow branch unions that are more prone to failure.

There are several exceptional tree groves within the existing MIO. Typically groups of trees provide higher quality habitat have a higher ecological value than individually spaced trees not only due to the trees, but also the forested understory. Large individual exceptional trees also provide habitat and ecological value, however, depending on the surrounding trees and landscaping their influence may be dispersed. Additionally young trees are better able to adapt to construction disturbances than mature exceptional trees and can provide replacement canopy as mature trees decline. When developing the campus the locations of groves in particular, individual exceptional trees, and other trees of all sizes should be taken into consideration to ensure a diversity of size, age, and species on campus.

The current MIO is proposed to be expanded in the revised MIMP; this proposes an increase in building height and in some areas vacating street and alley requirements. There are five additional alternatives that are explored in the case that the proposed MIMP is not approved.

Trees: 2000 MIO

There are a total of 1069 trees within the 2000 MIO. Of those trees 802 are estimated to be on private property, which is regulated by SDCI. There are 266 that are estimated to be growing partially or fully in the right-of-way (ROW), these trees are regulated by Seattle Department of Transportation (SDOT).

There are a total of 252 exceptional trees within the 2000 MIO. One hundred and fifty eight of the exceptional trees are growing within exceptional groves, 27 of which are also exceptional by size. There are a total of 121 trees within the 2000 MIO that are exceptional by size.

Exceptional groves were determined by drawing the measured driplines of all trees 8-inches diameter at standard height (DSH) on a map and assessing whether at least eight trees had overlapping canopies. Trees which appeared to have overlapping canopies in satellite imagery, but did not have overlapping drawn canopies were confirmed to either overlap or not overlap with google street view images where possible.

Within the 2000 MIO there are a total of 580 trees within a steep slope ECA, steep slope buffer, or potential slide area ECA; 182 of these trees are located within both a steep slope ECA/steep slope buffer and a potential slide area ECA. There is one tree within the shoreline area in the 2000 MIO.

Trees: 2021 MIO

There are a total of 158 trees in the expanded or 2021 MIO. Of those trees, 102 are estimated to be on private property, which is regulated by SDCI. There are 56 that are estimated to be growing partially or fully in the ROW, these trees are regulated by SDOT.

There are 15 exceptional trees by size in the proposed MIO.

Within the 2021 MIO there are a total of 79 trees within a steep slope ECA, steep slope buffer, or potential slide area ECA; 12 of these trees are located within both a steep slope ECA/steep slope buffer and a potential slide area ECA. There are 29 trees within the shoreline area in the 2021 MIO.

Discussion—Construction Impacts

This report provides a high-level analysis of tree impacts based on building schematics. Tree removals listed are an estimate; specific tree removal, retention, and replacement numbers for each building must be revised based on tree inventories for each project and design and construction plans prior to construction.

Planned Projects

There are three planned projects, an expanded student center, demolition of a 3-story building (Marston Site Future Open Space), and renovation of Moyer Hall.

Expanded Student Center

This plan will include the demolition of Weter Memorial Hall and construction of a 4-story building.

Trees 291 through 308, 334 and 335 are located approximately within the footprint of the expanded student center, necessitating removal. Trees 309 through 311 would also likely require removal due to proximity to construction activities.

Trees 291 through 299 and 306 through 311 are located within a steep slope ECA/steep slope buffer or a potential landslide area ECA.

The construction of the student center would likely necessitate the removal of trees **291 through 311, 334, and 335**. Trees 292, 308, and 311 are exceptional due to size and/or grove status.

Marston Site Future Open Space

Marston Hall is planned to be demolished and converted into open space. Trees 570, 573, 574, 576, 584, 585, 598, and 599 have canopies that are touching Marston Hall. Tree protection must be in place and demolition will have to occur very carefully to preserve these trees. It is likely that these trees will have to be pruned in order to minimize disturbance during development. Additionally, it is possible that some of these trees may have to be removed during demolition.

Once removed there will be an increased amount of open space and improved growing conditions for existing and new trees within this location.

Renovation of Moyer Hall

An interior renovation and repurposing is planned for this building. No substantial impacts to trees are anticipated in the renovation.

Proposed MIMP Expansion

There are 47 potential projects proposed, in these projects buildings would be renovated or constructed in the proposed MIMP. Potential projects **1, 10, 30, and 34** would be additions to existing buildings. Potential projects **13, 23, 24, and 25** would be renovated, and the remainder of the projects would be new buildings.

The renovated buildings would have the least impact on existing trees and depending on the renovations could lead to little or no impact on tree retention. These buildings are not discussed in-depth as there is not enough information to quantify the impacts to those trees.

For new buildings and additions we assume that trees that are within the building footprints or directly adjacent to the buildings would require removal. Depending on the final configuration of the building, grading, utilities, and construction feasibility other trees may also require removal.

The cumulative impact of this construction would result an estimated **250 tree removals, of which 47 are exceptional by size and/or grove**.

A total of 154 of the 250 trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA. One of the trees proposed for removal is located within the shoreline area.

Potential Project 1

The expansion around building 1 would likely necessitate the removal of trees **293 through 311, 334 through 336, 340, 342, 347, and 348**. This includes the student center planned project. Trees 292, 303, 308, 311, and 340 are exceptional due to size and/or grove status.

Trees 291 through 299, 306 through 311, 342, and 347 are located within a steep slope ECA/steep slope buffer or a potential landslide area ECA.

Potential Project 2

This is an L-shaped building along W Dravus St and would require the removal of trees **354 through 356, 433 through 447, and 454 through 470**. Trees 354, 355, 356, 433, 454, 467, and 469 are exceptional due to size and/or grove status. Construction of this building may also impact additional trees in the exceptional grove to the east of the proposed building.

All trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 3

This is a new building along W Etruria St that involves the demolition of three existing buildings and the construction of a new building. Trees **111 through 113, 120, 122 through 131, 133, and 134** would need to be removed to accommodate this building. Trees 111 and 113 are exceptional due to size.

All trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 4 and 5

These are two new adjacent campus housing buildings along W Dravus St. The construction of these buildings would require the removal of trees **720, 721, 723, 729 through 737**. Trees 721 and 734 are exceptional due to size.

All trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 6 and 7

These are two new adjacent campus housing buildings along W Dravus St. These two buildings would require the removal of trees **708, 710, and 715**. Tree 708 is of exceptional size.

All trees proposed for removal are located within a potential landslide area ECA.

Potential Project 8

This building is proposed within an existing parking lot and may not require the removal of any trees.

Potential Project 9

This building would be constructed to the north of building 8, with a portion of the building being constructed on an existing parking area. The construction of this education and general building would require the removal of trees **521, and 535 through 562**. Trees 543 and 553 are of exceptional size.

All trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 10

Building 10 would be a small expansion on the southern side of an existing building. There are no regulated trees within the footprint of the proposed expansion.

Potential Project 11

This would be a new building along W Dravus St and involve the removal of three existing houses; the eastern portion of the building would be constructed on a gravel parking area. In order to construct this building trees **639 through 648** would have to be removed; trees 641 through 645, and 648 are exceptional grove trees.

All trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 12

Building 12 would involve the removal of an existing building and construction of a new building along 3rd Ave W. This would be constructed adjacent to the Tiffany Loop trees, specifically trees 678 through 680 which are large-statured trees overhanging the existing building. In order to retain these trees the height of the new building would have to remain the same and very careful construction methods would have to be employed. Trees **633 through 637** would have to be removed to accommodate the construction of this new building. Trees 635 and 637 are of exceptional size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 13

This building is proposed to be renovated with no changes to the footprint. It is assumed that no trees would be removed in the renovation process.

Potential Project 14

This building would be constructed between W Dravus St and W Cremona St. In order to construct this building trees **818 to 821, 824 to 830, 848 to 852, and 872 to 874** would require removal, none of which are exceptional. Additional trees may have to be removed depending on the final parking configuration in this area.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 15, 16, and 17

These are three new residential buildings along W Dravus St. These would require the removal of trees **772, 780, and 782**. Trees 772, and 780 are of exceptional size.

All three trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 18

This is a new building proposed along W Cremona St and would require the removal of trees **853, 876, and 877**.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 19 and 20

These two buildings would involve the removal of two existing buildings along Queen Anne Ave N and replacement of new buildings in approximately the same location.

The demolition and construction of building 20 would likely require the removal of trees **855 through 861**. No trees would be required for removal and replacement of building 19. Tree 861 is of exceptional size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 21 and 22

These two buildings are proposed along the east side of Queen Anne Ave N between W Dravus St and W Nickerson St. There are no trees within the proposed footprints of these buildings.

Potential Projects 23, 24, and 25

These three buildings are proposed for renovation and it is assumed that no tree removal would be required.

Potential Project 26

This building would be constructed along W Nickerson St and includes parking that fronts W Cremona St. This would require the removal of trees **887, 888, 924, and 925**. Tree 887 is exceptional by size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 27 and 28

These two buildings would be constructed on an existing parking lot to the north of W Cremona St. The construction of these two building would necessitate the removals of trees **914, 915, 926 through 929**, none of which are exceptional. There are numerous right-of-way trees that would require protection during construction, however, since these buildings would be constructed in an already disturbed area it should be feasible to retain the trees on the perimeter.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 29

Building 29 would involve the removal and replacement of an existing building along W Bertona St and the northern portion of Tiffany Loop. The demolition and construction would require the removal of trees **699, 700, 703, and 704**. Tree 699 is exceptional by size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 30

This is an addition to an existing building along W Bertona St that would require the demolition of an existing building. In order to accommodate this addition trees **593 through 597** would have to be removed. Tree 595 is exceptional by size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 31 through 34

These four buildings would be an expansion of housing with three new buildings (31 through 33) and an addition (34). The construction of these four buildings would require the removal of trees **249 through 261**. Trees 255, 257, 258, and 261 are exceptional by size.

All trees proposed for removal are located within a potential landslide area ECA.

Potential Project 35

This building would involve the demolition of two buildings and the construction of one building in the same location. The demolition and construction of a new building would require the removal of tree **270**, which is not exceptional.

Tree 270 is located within a potential landslide area ECA.

Potential Projects 36 and 37

Two buildings would be demolished and replaced with expanded footprints along W Emerson St. Building 36 would require the removal of trees **1218, 1219, and 1223 through 1227**. The construction of building 37 would require the removal of trees **271 through 275, 278, and 279**. The construction of buildings 36 and 37 would not require removal of exceptional trees.

All trees proposed for removal for projects 36 and 37 are located within a potential landslide area ECA.

Potential Project 38

This would be a new building along the corner of 6th Ave W and W Nickerson St. Two buildings would be demolished and replaced with one building. This would necessitate the removal of trees **283 and 284**. Tree 283 is exceptional by size.

Tree 284 is located within a potential landslide area ECA.

Potential Project 39

Building 39 would be built along W Nickerson St and would be constructed on an existing parking lot. The construction of this building would require the removal of trees **998, 999, and 1005 through 1007**. Trees 1005 through 1007 are exceptional by size.

Tree 998 is located within a steep slope ECA/steep slope buffer.

Potential Project 40

This building would front W Nickerson St. The construction of this building would require the removal of trees **1011 through 1013, and 1020 through 1025**. Trees 1011 and 1013 are exceptional by size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 41

This building would be directly to the east of building 40 along W Nickerson St. The demolition of an existing building and construction of a new building would require the removals of trees **1019, and 1026 through 1028**. Trees 1026 and 1028 are exceptional by size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 42

This would involve the demolition of two connected buildings and the construction of a new building with a modified footprint. This would be constructed between W Nickerson St. and W Bertona St. The demolition and construction of a new building would require the removal of trees **945, 947, 949, 951, 952, and 1031 through 1037**. Trees 945 and 1035 are exceptional by size.

None of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Projects 43, 44, and 45

These three projects are a cluster of buildings that would be to the north of W Nickerson St along the Ship Canal Trail. These three buildings are proposed to replace an area that is largely paved and includes various existing buildings. Tree **1164** is the only tree growing in the vicinity and would require removal for the construction of building 44. Based on the schematic this area could increase the amount of green space present. Tree 1164 is not an exceptional tree.

Tree 1164 is the only tree proposed for removal in the shoreline area.

Potential Project 46

This building would be constructed on the western corner of W Nickerson St and 3rd Ave W. The construction of this building would be largely in an area occupied by parking and existing buildings, resulting in only the removal of trees **1044 and 1051**. Based on the schematic design this area could increase the amount of green space present. Tree 1044 is exceptional by size.

Neither of the trees proposed for removal are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential Project 47

The proposed building is to the west of the playfield along W Nickerson St. The construction of this building would include the demolition and replacement of a new building in approximately the same footprint. It is possible that this would not require the removal of any trees.

Parking

One structured parking area (A), two surface parking areas (E and F) and a number of underground parking structures are proposed within the MIMP, labeled as B, C, D, and G through P. Some of the tree removals discussed below are also encompassed within the potential projects, however, these are broken out for clarity and are included in a separate tab within the table of trees.

Structures A through C will be constructed between W Cremona and W Bertona. Structures B and C will be partially constructed under proposed buildings. These will require the removal of trees **887 through 889, 894, 897 through 902, 914, 915, 924 through 929**. Trees 887, 889, and 900 are exceptional by size.

None of the trees proposed for removal for structures A through C are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Structure D will require the removal of trees **1005 through 1007**, which are exceptional by size. Trees 1005 through 1007 are not located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Parking structures E and F are surface parking north of W Nickerson St and will be constructed in a similar location to existing parking. This is not anticipated to have impacts on tree retention.

Parking structures G and H are underground structures proposed within an area of an existing parking structure. These structures will be partially under proposed buildings. The construction of these two structures would likely result in the removal of trees **471 through 479, 481, 489, 551, 552, 556 through 561**. Tree 477 is exceptional by size.

All trees proposed for removal for parking structures G and H are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Parking structure I would be an underground parking structure constructed along 3rd Ave W. This will be partially under a proposed building and would likely require the removal of trees **636, 639 through 659**. Trees 641 through 645, 648 through 652, and 655 through 658 are exceptional grove trees.

Trees 639 through 659 proposed for removal for parking structure I are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Underground parking structure J will be constructed partially over an existing alley and surface parking. This would likely require the removal of trees **1008 through 1010, and 1026**. Tree 1026 is exceptional by size. None of the trees which would require removal for structure J are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Parking structure K would be constructed along 6th Ave W and W Dravus St under a proposed building. This construction would require the removal of trees **354 through 356, 433 through 447, and 454 through 470**. Trees 354, 355, 356, 433, 454, 467, and 469 are exceptional by size and/or their location within a grove.

All trees which would require removal for structure K are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Underground parking structure L would be constructed along W Etruria St. This would be constructed under a proposed building and would require the removal of trees **109 through 116**. Trees 110, 111, and 113 are exceptional by size. Trees 109 through 116 are located within a steep slope ECA/steep slope buffer.

Underground parking structures M and N would be constructed along W Dravus St. Construction of parking structure M would require the removal of trees **718 through 721, 723, 726 through 728, and 733 through 737**. For construction of parking structure N it would likely require the removal of trees **708 through 710, and 715**. Trees 708, 709, 718, 721, and 734 are exceptional by size.

All trees which would be removed for parking structures M and N are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Parking structure O is oriented north to south between W Cremona St and W Dravus St. This will be constructed below ground, partially under proposed buildings. This would likely require the removal of trees **855 through 861**. Tree 861 is exceptional by size. Trees 855 through 861 are not located in any ECAs.

Underground parking structure P is proposed between W Cremona St and W Dravus St. **Trees 821, 824 through 830, 848 through 850, and 874**, none of which are exceptional, would likely require removal. None of the trees which would be removed for structure P are located within ECAs.

Parking structures would require removal of approximately **145 trees** and **38 trees that are exceptional by size and/or their location within a grove**. They would also require the removal of 100 trees located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA. No trees located within the shoreline area would be removed for parking structures.

Alternative 1 – No Action

This alternative retains the current MIO with two new planned developments, numbered 1 and 2. Building 1 would be an expansion and connected to an existing building. The construction of this building would require the removal of trees **293 through 311, 334 to 336, and 340 to 342**. Trees 303, 308, 311, and 340 are exceptional by size and/or their location within a grove.

Trees 293 through 299, 306 through 311, and 342 which would be removed for building 1 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

The second building would be constructed to the south of Tiffany Loop and would replace a number of existing buildings. This would involve the demolition of a building that has overhanging canopy from trees 678 to 680. These are three integral trees in Tiffany Loop and careful construction methods would be required in order to retain these trees. Trees **633 to 637 and 639 to 657** would have to be removed to accommodate the construction. Trees 635, 637, 641 through 645, 648 through 652, and 655 through 657 are exceptional by size or their location within a grove.

Trees 639 through 657 which would be removed for building 2 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

This alternative would not remove Marston Hall, which would reduce the amount of future open space in this area. Additionally, this would mean that Moyer Hall would not be demolished, which was assessed as having no impact on tree retention.

This alternative has the least amount of trees removed as little construction is planned and there are no proposed projects. The cumulative impact of this construction would result in an estimated **51 tree**

removals, 19 of which are exceptional by size and/or their location within a grove. A total of 35 trees within ECAs and no shoreline area trees would be removed for alternative 1.

Alternative 2 – No Boundary Expansion and No Change to Height Limits

This alternative retains the existing MIO and height limitations. Additional buildings would be constructed within the current MIO. This would include some of the potential projects/buildings in the MIMP. Potential projects 1 to 13, 15 to 20, 26, 28 to 35, 37 to 42, and 47 would have the same footprint in this scenario as in the potential MIMP and therefore are assumed to have the same impact to tree retention in this alternative.

Potential projects 21, 22, 36, 44, and 45 are outside of the existing MIO and would not be constructed.

Potential projects 23 through 25 are leased by SPU and would not be renovated without an expanded MIO.

The footprint of potential project 43 would be reduced to remain within the existing MIO and connect to building 46.

Twelve potential projects, referenced as 2.1 through 2.12 below, would be constructed in addition to those within the proposed in the MIMP.

The student center and Moyer Hall renovation would still occur under this alternative, however, Marston Hall would not be demolished.

The cumulative impact of this construction would result in an estimated **279 tree removals, 65 of which are exceptional by size and/or their location within a grove.** Of the trees that would be removed for alternative 2, 167 trees are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA. No shoreline area trees would be removed for alternative 2.

Potential projects 2.1 through 2.3

This is a cluster of buildings that have a similar footprint to building 14 in the proposed MIMP. The construction of these buildings would have a similar impact to building 14 and would require the removal of trees **818 to 821, 824 to 830, 848 to 852, and 872 to 874**, none of which are exceptional nor located within ECAs.

Potential project 2.4

Building 27 would be replaced by building 2.4, which has a slightly different footprint. The revised footprint would require the same number of trees as in the proposed MIMP, which are trees **914, 915, and 926 through 929**, none of which are exceptional.

None of the trees which would be removed for project 2.4 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential project 2.5

This building would be constructed to the north of W Dravus St and to the south of Tiffany Loop. Trees **488, 657, 660, and 661** would require removal to accommodate this building. Trees 657 and 661 are exceptional due to their location within a grove.

All trees which would be removed for project 2.5 are located within a potential landslide area ECA.

Potential project 2.6

This building would be constructed along the southeastern edge of Tiffany Loop and require the removal of trees **678 to 682**. These are some of the largest and most prominent trees on the campus, and are all exceptional due to size and their location within a grove.

Trees 678 through 682 are not located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential project 2.7

This building would involve the demolition and construction of a building to the west of Tiffany Loop. Trees **570, 573, 574, 576, 584, 598, and 599** would require removal. Trees 570, 573, and 584 are exceptional by size.

Trees 570, 573, 574, and 576 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential project 2.8

This building would be constructed at the corner of 7th Ave W and W Dravus St in a grassy patch, which would require the removals of trees **152, 153, and 156 through 159**. Tree 153 is exceptional by size.

Trees 153, and 156 through 159 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential project 2.9

This is a building proposed to the south of W Dravus St on the western edge of the current MIO. Construction of this building would require the removal of trees **145 to 149, 151, and 243 to 247**. Trees 145, 147, 244, and 247 are exceptional by size.

Trees 147 and 244 through 247 are located within a steep slope ECA/steep slope buffer.

Potential project 2.10

This building would largely be constructed on an existing parking area, and may require the removal of tree **241**, which is exceptional by size and its location within a grove. Tree 241 is not located within any ECAs.

Potential project 2.11

This building would be constructed along W Nickerson St on an existing parking area and would require the removal of tree **1044**, an exceptional tree by size.

Potential project 2.12

This would involve the construction of a building along 3rd Ave W, within the northeastern portion of Tiffany Loop. This would likely require the removal of trees **702 and 703**, neither of which are located in ECAs. Tree 702 is an exceptional tree by size. Additionally, ROW trees 624 through 627 would likely be impacted by construction.

Alternative 3 – Boundary Expansion and No Change to Height Limits

This option expands the MIO but does not change the height limits on buildings. The potential projects 1-26, 28-47 would have the same footprint in this scenario and are assumed to have the same impact to tree retention in this alternative as the proposed MIMP.

An additional six potential projects would be constructed to achieve a similar square footage as the proposed MIMP, these are referred to as buildings 3.1 through 3.6 below.

The student center and Moyer Hall renovation would still occur under this alternative, however, Marston Hall would not be demolished.

The cumulative impact of this construction would result an estimated **275 tree removals, of which 56 are exceptional by size and/or their location within a grove**. One hundred and seventy of the trees which would be removed for alternative 3 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA. One shoreline area tree would be removed for alternative 3.

Potential projects 3.1 and 3.2

Building 27 would have a different footprint than the proposed MIMP. In order to construct buildings 3.1 and 3.2 trees **914, 915, and 926 through 929** would require removal. None of the trees which would be removed are exceptional or located within ECAs.

Potential project 3.3

This building is proposed along 3rd Ave W along the eastern side of Tiffany Loop. The construction of this building would require the removal of tree **702**, which is exceptional by size. Tree 702 is not located in any ECAs.

Potential project 3.4

This building would involve the demolition and construction of a building to the west of Tiffany Loop. Trees **570, 573, 574 576, 584, 598, and 599** would require removal. Trees 570, 573, 584, and 599 are exceptional by size.

Trees 570, 573, 574 and 576 are located within a steep slope ECA/steep slope buffer and a potential landslide area ECA.

Potential project 3.5

This building would be constructed at the corner of 7th Ave W and W Dravus St in a grassy patch, which would require the removals of trees **152, 153, and 156 through 159**. Tree 153 is exceptional by size.

Trees 153 and 156 through 159 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential project 3.6

This is a building proposed to the south of W Dravus St on the western edge of the current MIO. Construction of this building would require the removal of trees **145 to 149, 151, and 243 to 247**. Trees 145, 147, 244, and 247 are exceptional by size.

Trees 146, 147, 149, and 244 through 247 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Alternative 4 – No Boundary Expansion and Increased Height Limits

This option retains the existing MIO but increases the height limits of buildings.

The footprints of potential projects 1 to 20, 26, 28 to 35, 37 to 42, and 47 would be the same in this scenario and are assumed to have the same impact to tree retention in this alternative as the proposed MIMP.

Six additional potential projects would be constructed in this scenario and are referred to as 4.1 through 4.6 below.

Potential projects 21 and 22 are outside the existing MIO and would not be constructed.

Potential projects 23 to 25 are proposed for renovation in the MIMP, but are outside the MIO and would not be renovated in this scenario; no changes to tree impacts would occur.

Potential project 27 would have an additional expansion discussed below as 4.1, but no changes to tree retention are anticipated.

Potential project 36 is outside the existing MIO and would not be constructed in this scenario.

Potential project 43 would have a reduced footprint to fit within the existing MIO.

Potential project 46 would have a modified footprint, with the inclusion of an additional building portion on the southeastern side.

All three planned developments would occur under Alternative 4.

The cumulative impact of this construction would result an estimated **267 tree removals**, of which **55 are exceptional by size and/or their location within a grove**. One hundred and fifty nine of the trees which would be removed for alternative 4 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA. No shoreline area trees would be removed for alternative 4.

Potential project 4.1

Building 27 would have a different footprint than the proposed MIMP, with building 4.1 proposed along W Bertona St, connecting two additional wings. In order to construct building 4.1 and 27, trees **914, 915, and 926 through 929** would require removal, none of which are exceptional or located within ECAs.

Potential project 4.2

This building would be constructed along W Nickerson St on an existing parking area and would require the removal of tree **1044**, and exceptional tree by size. Tree 1044 is not located within any ECAs.

Potential project 4.3

This building would be constructed at the corner of 7th Ave W and W Dravus St in a grassy patch, which would require the removals of trees **152, 153, and 156 through 159**. Tree 153 is an exceptional tree by size.

Trees 153 and 156 through 159 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential project 4.4

This is a building proposed to the south of W Dravus St on the western edge of the current MIO. Construction of this building would require the removal of trees **145 to 149, 151, and 243 to 247**. Trees 145, 147, 244, and 247 are exceptional by size.

Trees 146, 147, 149, and 244 through 247 are located within a steep slope ECA/steep slope buffer.

Potential project 4.5

This building would be constructed at the end of W Etruria St in an existing parking lot and would likely require the removals of trees **103 and 239**. Both of which are exceptional by size and/or due to their location within a grove.

Potential project 4.6

Building 4.6 is connected to building 14. Collectively, this would require the removal of trees **811, 813 to 821, 824 to 830, 832, 848 to 852, and 872 to 874**. Tree 832 is exceptional by size. None of the trees which would be removed are located within any ECAs.

Alternative 5 – Boundary Expansion, Increased Height and No Street / Alley Vacations

This option expands the MIO and increases the height but retains the streets and alleys in their current state. It is likely that the changes in street and alleys would have an impact on tree retention; however, without more detailed plans it is difficult to elaborate on potential impacts.

Four additional potential projects would be constructed in this scenario and are referred to as 5.1 through 5.4 below.

Potential projects 1 to 42, and 47 would be the same in this scenario and are assumed to have the same impact to tree retention in this alternative as the proposed MIMP.

Potential projects 43 through 46 would have modified footprints as the existing alleys would remain in place. This would not change the overall impacts to tree removals.

The cumulative impact of this construction would result an estimated **266 tree removals**, of which **38 are exceptional by size and/or their location within a grove**. One hundred trees which would be removed for alternative 5 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA. One shoreline area tree would be removed for alternative 5.

Potential project 5.1

This building is proposed to the west of Tiffany Loop in approximately the same location as another building. In the proposed MIMP expansion the building would be demolished and returned to green space. However, in alternative 5 the demolition and construction of a new building would necessitate the removal of trees **570 to 576, 598, and 599**. Trees 570 and 573 are exceptional by size.

Trees 570 through 576 are located within a steep slope ECA/steep slope buffer and/or a potential landslide area ECA.

Potential project 5.2

Building 5.2 would be constructed to the south of W Dravus St and just to the east of 7th Ave W. This construction would require the removal of trees **243 through 247**. Trees 243 and 247 are exceptional by size.

Trees 244 through 247 are located within a steep slope ECA/steep slope buffer.

Potential project 5.3

In alternative 5 Building 27 would have a different footprint than the proposed MIMP, with building 5.3 proposed along W Bertona St, connecting two additional wings. In order to construct building 4.1 and 27 trees **914, 915, and 926 through 929** would require removal, none of which are exceptional or located within ECAs.

Potential project 5.4

This building is proposed along W Cremona St and would require the removal of trees **832 and 833**. Tree 832 is exceptional by size. Neither of the trees which would be removed are located in any ECAs.

Conclusions

The proposed MIMP results in less tree removal than alternatives 2 through 5 as it is largely proposing construction in areas that are already dominated by hardscapes and buildings. Alternative 2 has the highest overall tree removal and the greatest number of exceptional tree removals. Additionally, alternative 2 removes some of the most iconic trees in the Tiffany Loop area. Alternative 1 represents the lowest tree removal as there is comparably little proposed development.

Potential project 2 of the proposed MIMP has the potential to impact the largest number of exceptional grove trees depending on the buildings final placement and size. The exceptional grove to the east of the proposed building should be taken into consideration when finalizing a design.

Prior to construction the exact locations of trees should be surveyed and plans should be reviewed by an arborist to determine impacts to trees, final retention numbers, and locations in relation to specific ECAs. It is possible that utilities, demolition, grading, and revised building footprints could have a considerable impact on overall tree retention. Considering tree retention throughout the design and development phase can lead to an increase in overall tree retention.

Table 1. Summary of tree totals in existing MIO.

Site trees	802
ROW trees	266
Exceptional trees by size	121
Exceptional trees by grove	158
Exceptional trees by size within exceptional groves	27
Total exceptional trees	252
Trees within steep slope ECA/buffer (includes trees also in potential landslide area ECA)	356
Trees within potential landslide area ECA (includes trees also in steep slope ECA/buffer)	406
Trees in steep slope/buffer and landslide area ECAs	182
Total trees in ECAs	580
Trees in shoreline area	1
Total trees in existing MIO	1068

Table 2. Summary of tree totals in expanded MIO.

Site trees	102
ROW trees	56
Exceptional trees by size	15
Exceptional trees by grove	0
Exceptional trees by size within exceptional groves	0
Total exceptional trees	15
Trees within steep slope ECA/buffer (includes trees also in potential landslide area ECA)	12
Trees within potential landslide area ECA (includes trees also in steep slope ECA/buffer)	79
Trees in steep slope/buffer and landslide area ECAs	12
Total trees in ECAs	79
Trees in shoreline area	29
Total trees in expanded MIO	158

Table 3. Summary of tree totals in existing and expanded MIO.

Site trees	904
ROW trees	322
Exceptional trees by size	136
Exceptional trees by grove	158
Exceptional trees by size within exceptional groves	27
Total exceptional trees	267
Trees within steep slope ECA/buffer (includes trees also in potential landslide area ECA)	368
Trees within potential landslide area ECA (includes trees also in steep slope ECA/buffer)	485
Trees in steep slope/buffer and potential landslide area ECAs	194
Total trees in ECAs	659
Trees in shoreline area	30
Total trees in existing and expanded MIO	1226

Table 4. Summary of tree removals in the proposed MIMP.

Total trees removed	250
Exceptional trees removed (grove and/or size)	47
ECA trees removed (steep slope/buffer and/or potential landslide area)	154
Shoreline area trees removed	1

Table 5. Summary of tree removals in alternative 1.

Total trees removed	51
Exceptional trees removed (grove and/or size)	19
ECA trees removed (steep slope/buffer and/or potential landslide area)	35
Shoreline area trees removed	0

Table 6. Summary of tree removals in alternative 2.

Total trees removed	279
Exceptional trees removed (grove and/or size)	65
ECA trees removed (steep slope/buffer and/or potential landslide area)	167
Shoreline area trees removed	0

Table 7. Summary of tree removals in alternative 3.

Total trees removed	275
Exceptional trees removed (grove and/or size)	56
ECA trees removed (steep slope/buffer and/or potential landslide area)	170
Shoreline area trees removed	1

Table 8. Summary of tree removals in alternative 4.

Total trees removed	267
Exceptional trees removed (grove and/or size)	55
ECA trees removed (steep slope/buffer and/or potential landslide area)	159
Shoreline area trees removed	0

Table 9. Summary of tree removals in alternative 5.

Total trees removed	266
Exceptional trees removed (grove and/or size)	52
ECA trees removed (steep slope/buffer and/or potential landslide area)	165
Shoreline area trees removed	1

Table 10. Summary of tree removals for parking.

Total trees removed	145
Exceptional trees removed (grove and/or size)	38
ECA trees removed (steep slope/buffer and/or potential landslide area)	100
Shoreline area trees removed	0

Recommendations

- Site planning around exceptional trees must follow the requirements outlined in SMC 25.11.050.¹
- Site planning around trees in critical areas must follow the requirements outlined in SMC 25.09.070.²
- All pruning required for construction clearance must be performed by an ISA certified arborist conforming to current ANSI A300 standards.
- Trees should be surveyed prior to construction and final impacts analyzed. Tree retention should be considered throughout the design process to ensure that trees with high retention value can be protected.

Respectfully submitted,



Tyler Bunton,
Consulting Arborist

¹ Seattle Municipal Code 25.11.050. General Provisions for Exceptional Trees

² Seattle Municipal Code 25.09.070 Standards for Trees and Vegetation in Critical Areas

Appendix A Glossary

ANSI A300: American National Standards Institute (ANSI) standards for tree care

DBH or DSH: diameter at breast or standard height; the diameter of the trunk measured 54 inches (4.5 feet) above grade (Council of Tree and Landscape Appraisers 2019)

ISA: International Society of Arboriculture

Regulated Tree: A tree required by municipal code to be identified in an arborist report.

Visual Tree Assessment (VTA): method of evaluating structural defects and stability in trees by noting the pattern of growth. Developed by Claus Mattheck (Harris, *et al* 1999)

Appendix B References

Accredited Standards Committee A300 (ASC 300). ANSI A300 (Part 1) Tree, Shrub, and Other Woody Plant Management – Standard Practices (Pruning). Londonderry: Tree Care Industry Association, 2017.

Council of Tree and Landscape Appraisers, Guide for Plant Appraisal, 10th Edition, Second Printing. Atlanta, GA: The International Society of Arboriculture (ISA), 2019.

Mattheck, Claus and Helge Breloer, The Body Language of Trees.: A Handbook for Failure Analysis. London: HMSO, 1994.

Seattle Municipal Code 25.09.070. Standards for Trees and Vegetation in Critical Areas.

Seattle Municipal Code 25.11.050. General Provisions for Exceptional Trees.

Sugimura, D.W. “DPD Director’s Rule 16-2008”. Seattle, WA, 2009

Appendix C Assumptions & Limiting Conditions

- 1 Consultant assumes that the site and its use do not violate, and is in compliance with, all applicable codes, ordinances, statutes or regulations.
- 2 The consultant may provide a report or recommendation based on published municipal regulations. The consultant assumes that the municipal regulations published on the date of the report are current municipal regulations and assumes no obligation related to unpublished city regulation information.
- 3 Any report by the consultant and any values expressed therein represent the opinion of the consultant, and the consultant's fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event, or upon any finding to be reported.
- 4 All photographs included in this report were taken by Tree Solutions, Inc. during the documented site visit, unless otherwise noted. Sketches, drawings and photographs (included in, and attached to, this report) are intended as visual aids and are not necessarily to scale. They should not be construed as engineering drawings, architectural reports or surveys. The reproduction of any information generated by architects, engineers or other consultants and any sketches, drawings or photographs is for the express purpose of coordination and ease of reference only. Inclusion of such information on any drawings or other documents does not constitute a representation by the consultant as to the sufficiency or accuracy of the information.
- 5 Unless otherwise agreed, (1) information contained in any report by consultant covers only the items examined and reflects the condition of those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, climbing, or coring.
- 6 These findings are based on the observations and opinions of the authoring arborist, and do not provide guarantees regarding the future performance, health, vigor, structural stability or safety of the plants described and assessed.
- 7 Measurements are subject to typical margins of error, considering the oval or asymmetrical cross-section of most trunks and canopies.
- 8 Tree Solutions did not review any reports or perform any tests related to the soil located on the subject property unless outlined in the scope of services. Tree Solutions staff are not and do not claim to be soils experts. An independent inventory and evaluation of the site's soil should be obtained by a qualified professional if an additional understanding of the site's characteristics is needed to make an informed decision.
- 9 Our assessments are made in conformity with acceptable evaluation/diagnostic reporting techniques and procedures, as recommended by the International Society of Arboriculture.

Appendix D Methods

Measuring

We measured the diameter of each tree at 54 inches above grade, diameter at standard height (DSH). If a tree had multiple stems, we measured each stem individually at standard height and determined a single-stem equivalent diameter by using the method outlined in the city of Seattle Director's Rule 16-2008 or. A tree is regulated based on this single-stem equivalent diameter value. Because this value is calculated in the office following field work, some trees in our data set may have diameters smaller than 6 inches.

Evaluating

We evaluated tree health and structure utilizing visual tree assessment (VTA) methods. The basis behind VTA is the identification of symptoms, which the tree produces in reaction to a weak spot or area of mechanical stress. A tree reacts to mechanical and physiological stresses by growing more vigorously to re-enforce weak areas, while depriving less stressed parts. An understanding of the uniform stress allows the arborist to make informed judgments about the condition of a tree.

Rating

When rating tree health, we took into consideration crown indicators such as foliar density, size, color, stem and shoot extensions. When rating tree structure, we evaluated the tree for form and structural defects, including past damage and decay. Tree Solutions has adapted our ratings based on the Purdue University Extension formula values for health condition (*Purdue University Extension bulletin FNR-473-W - Tree Appraisal*). These values are a general representation used to assist arborists in assigning ratings.

Excellent - Perfect specimen with excellent form and vigor, well-balanced crown. Normal to exceeding shoot length on new growth. Leaf size and color normal. Trunk is sound and solid. Root zone undisturbed. No apparent pest problems. Long safe useful life expectancy for the species.

Good - Imperfect canopy density in few parts of the tree, up to 10% of the canopy. Normal to less than $\frac{3}{4}$ typical growth rate of shoots and minor deficiency in typical leaf development. Few pest issues or damage, and if they exist they are controllable or tree is reacting appropriately. Normal branch and stem development with healthy growth. Safe useful life expectancy typical for the species.

Fair - Crown decline and dieback up to 30% of the canopy. Leaf color is somewhat chlorotic/necrotic with smaller leaves and "off" coloration. Shoot extensions indicate some stunting and stressed growing conditions. Stress cone crop clearly visible. Obvious signs of pest problems contributing to lesser condition, control might be possible. Some decay areas found in main stem and branches. Below average safe useful life expectancy

Poor - Lacking full crown, more than 50% decline and dieback, especially affecting larger branches. Stunting of shoots is obvious with little evidence of growth on smaller stems. Leaf size and color reveals overall stress in the plant. Insect or disease infestation may be severe and uncontrollable. Extensive decay or hollows in branches and trunk. Short safe useful life expectancy.



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking	
1	Private	<i>Tsuga heterophylla</i>	Western hemlock	25.0		Good	Good	21	24		Exceptional S	ivy climbing trunk, fence very close to trunk	x			7303.78	1460.1	124.51	26.2	2.23	84.3	5.64	28.3	12.4	20.27									
2	Private	<i>Acer platanoides</i>	Norway maple	8.4	6.4,5.5	Good	Good	13	30		-	ivy at base	x			1529.58	286	24.39	28.5	2.43	19.1	1.28	6.4	2.81	6.52									
3	Private	<i>Quercus rubra</i>	Red oak	15.1		Good	Fair	23	30		-		x			4406.1	1013.4	86.42	41.6	3.55	39.9	2.67	13.4	5.88	12.09									
4	Private	<i>Quercus rubra</i>	Red oak	13.2		Good	Fair	25	30		-		x			3412.67	731	62.33	34.6	2.95	32.9	2.2	11.1	4.85	9.99									
5	Private	<i>Pseudotsuga Douglas-fir</i>	Douglas-fir	27.2		Good	Good	24	30		-	ivy climbing	x			8657.38	1662.3	141.75	38.3	3.27	58	3.88	19.5	8.53	15.68									
6	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	12.0		Fair	Fair	10	30	Grove	Exceptional G	bark sloughing	x			1214.84	488.2	41.63	19.2	1.64	6	0.4	2	0.88	2.93									
7	Private	<i>Acer macrophyllum</i>	Bigleaf maple	36.0		Good	Good	30	30	Grove	Exceptional SG	survey number 100, ivy climbing canopy				18410.88	6047.8	515.73	3.1	0.26	176.9	11.82	59.4	26.03	38.12									
8	Private	<i>Acer macrophyllum</i>	Bigleaf maple	20.0	10.5,17	Good	Fair	22	30	Grove	Exceptional G	tag 102, ivy climbing trunk				5459.02	1617.6	137.94	17.6	1.5	57	3.81	19.2	8.39	13.71									
9	Private	<i>Populus nigra 'Italica'</i>	Lombardy poplar	33.0		Good	Good	16	30	Grove	Exceptional SG	survey tag 103				7988.07	14992.1	1278.45	323.5	27.59	97.9	6.55	32.9	14.41	48.54									
10	Private	<i>Populus nigra 'Italica'</i>	Lombardy poplar	25.0		Good	Good	15	30	Grove	Exceptional G	survey tag 104				4835.19	7519.9	641.26	214.1	18.26	88.8	5.94	29.8	13.07	37.26									
11	Private	<i>Acer macrophyllum</i>	Bigleaf maple	35.0		Fair	Poor	35	30	Grove	Exceptional SG	survey tag 54, hollow, ivy on trunk	x			11835.89	5677.4	484.14	2	0.17	77.2	5.16	25.9	11.37	16.7									
12	Private	<i>Populus nigra 'Italica'</i>	Lombardy poplar	28.0		Good	Good	15	30	Grove	Exceptional G	ivy climbing trunk, tag 105				5979.04	9964.4	849.72	253.2	21.59	92.4	6.18	31	13.6	41.37									
13	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	25.5		Good	Good	19	30	Grove	Exceptional G	ivy climbing trunk				7601.4	1462.1	124.69	35.6	3.03	54.9	3.67	18.4	8.07	14.77									
14	Private	<i>Pinus strobus</i>	Eastern white pine	16.0		Good	Good	14	30	Grove	Exceptional G	survey tag 52				2388.66	558.4	47.61	30.1	2.57	40.8	2.73	13.7	6	11.3									
15	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	10.1		Fair	Fair	15	30		-	survey tag 107				1571.79	404.3	34.47	23	1.96	20.6	1.38	6.9	3.04	6.37									
16	ROW	<i>Populus nigra 'Italica'</i>	Lombardy poplar	30.0		Good	Good	25	30		-	survey tag C				6813.55	11828	1008.64	280.6	23.93	94.7	6.33	31.8	13.93	44.19	0								
17	ROW	<i>Pinus nigra</i>	Austrian black pine	30.3	18.5,24	Good	Good	23	24		-	Survey tag B				10520.73	2499.1	213.11	54.7	4.66	42.1	2.81	14.1	6.19	13.67	0								
18	ROW	<i>Pinus nigra</i>	Austrian black pine	28.8		Good	Good	25	24		-	Tree A on tag				9713.49	2229.3	190.1	51.2	4.37	41.3	2.76	13.9	6.08	13.21	0								
19	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	27.7	21,18	Good	Fair	21	30		-	Tree D on tag, growing through fence				10249.04	3359.2	286.45	2	0.17	95.6	6.39	32.1	14.06	20.62	0								
20	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	30.7	12,15,13,10,9,15	Good	Fair	24	30		-	tagged tree E, near fence				12277.3	4230.8	360.78	2.3	0.19	111.6	7.46	37.5	16.42	24.08	0								
21	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	8.0		Good	Fair	15	30		-	growing through fence				1077.06	207.1	17.66	19.7	1.68	12.1	0.81	4.1	1.78	4.27	0								
22	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	13.0		Good	Good	8	30		-					2744.76	615.4	52.48	31.8	2.71	39.6	2.65	13.3	5.83	11.18	0								
23	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	26.7	10,8,9,18,12	Fair	Fair	18	30		-					8957.9	3093.2	263.77	1.8	0.15	79.5	5.31	26.7	11.69	17.16	0								
24	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	24.8	12,8,10,15,9	Fair	Fair	18	30		-	growing through fence				7759.6	2621.1	223.51	1.6	0.14	70.8	4.73	23.8	10.42	15.29	0								
25	Private	<i>Acer macrophyllum</i>	Bigleaf maple	26.0		Good	Fair	30	30	Grove	Exceptional G	Survey tag 1				9058.48	2914.2	248.51	1.8	0.16	86.3	5.77	29	12.7	18.63									
26	Private	<i>Acer macrophyllum</i>	Bigleaf maple	16.7	12.5,11	Fair	Fair	30	30	Grove	Exceptional G	survey tag 4				3643	1079.4	92.05	23.5	2	40	2.68	13.4	5.89	10.57									
27	Private	<i>Acer macrophyllum</i>	Bigleaf maple	27.4	12.5,15,12,15	Fair	Fair	29	30	Grove	Exceptional G	survey tag 5, ivy, k deusta				9421.67	3278.1	279.54	1.8	0.16	82.7	5.53	27.8	12.17	17.86									
28	Private	<i>Acer macrophyllum</i>	Bigleaf maple	30.0	15,26	Fair	Poor	32	30	Grove	Exceptional SG	survey tag 6, k deusta				9057.89	4017.4	342.59	1.7	0.14	61.7	4.13	20.7	9.08	13.35									
29	Private	<i>Acer macrophyllum</i>	Bigleaf maple	19.4	13.5,14,	Fair	Poor	12	30	Grove	Exceptional G	tag 2	x			3894.44	1510.8	128.83	14.3	1.22	33.4	2.23	11.2	4.91	8.36									
30	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	13.0		Good	Fair	15	30	Grove	Exceptional G		x			2620.31	747.7	63.76	31.2	2.66	35.9	2.4	12.1	5.28	10.34									
31	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.0		Fair	Fair	30	30	Grove	Exceptional G	tag is 9, ivy	x			2983.04	848.3	72.34	25.4	2.17	34.9	2.33	11.7	5.13	9.63									
32	Private	<i>Acer macrophyllum</i>	Bigleaf maple	17.5	15,9	Poor	Fair	12	30	Grove	Exceptional G	tag 8	x			3203.11	1198.9	102.23	17.7	1.51	28.9	1.93	9.7	4.25	7.69									
33	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.0		Fair	Poor	32	30	Grove	Exceptional G	tag 7				2401.93	848.3	72.34	20.4	1.74	22.4	1.5	7.5	3.3	6.54									
34	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.5		Poor	Fair	15	30	Grove	Exceptional G	tag 10	x			2552.31	913.1	77.87	20	1.71	23.8	1.59	8	3.5	6.79									
35	Private	<i>Acer macrophyllum</i>	Bigleaf maple	20.0		Fair	Fair	18	30	Grove	Exceptional G	tag 11, heavy ivy	x			5126.15	1617.6	137.94	16.3	1.39	50.6	3.38	17	7.44	12.21									



Table of Trees

Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
36	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.5		Fair	Fair	15	30		-	heavy ivy, tag 12	x			1112.42	237.2	20.23	19.9	1.69	12	0.8	4	1.77	4.26								
37	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.7	5,5,6,6,3,7	Fair	Poor	12	30	Grove	Exceptional G	tag 13, heavy ivy	x			1773.71	584	49.8	21.4	1.82	16.4	1.09	5.5	2.41	5.33								
38	Private	<i>Acer macrophyllum</i>	Bigleaf maple	9.5	7,4,5	Fair	Fair	12	30		-	tag 14, ivy	x			1332.85	304.5	25.96	22.7	1.94	15	1.01	5.1	2.21	5.16								
39	Private	<i>Prunus emarginata var. mollis</i>	Bitter cherry	8.0		Fair	Fair	10			-	tree tag 15	x			1042.89	314	26.77	8.3	0.71	6.1	0.4	2	0.89	2.01								
40	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.0		Fair	Fair	15	30		-	tag 16, ivy soil at base	x			1011.39	207.1	17.66	18.4	1.57	10.4	0.7	3.5	1.54	3.8								
41	Private	<i>Acer macrophyllum</i>	Bigleaf maple	14.1	8,8,11	Good	Good	25	30	Grove	Exceptional G		x			3180.94	738.4	62.97	31.3	2.67	44.1	2.95	14.8	6.49	12.1								
42	Private	<i>Acer macrophyllum</i>	Bigleaf maple	27.3	20,5,18	Fair	Fair	20	30	Grove	Exceptional G	ivy, tag 55,	x			9354.68	3251.3	277.26	1.8	0.16	82.3	5.5	27.6	12.11	17.77								
43	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.7		Fair	Fair	15	30	Grove	Exceptional G	tag 57, cherry laurel	x			2202.83	584	49.8	26.5	2.26	26.6	1.77	8.9	3.91	7.94								
44	Private	<i>Acer macrophyllum</i>	Bigleaf maple	16.0		Good	Good	20	30	Grove	Exceptional G	no tag	x			4017.75	980.5	83.61	29.1	2.48	50.6	3.38	17	7.44	13.31								
45	Private	<i>Acer macrophyllum</i>	Bigleaf maple	14.0		Good	Good	15	30	Grove	Exceptional G	tag 98	x			3139.83	726.7	61.97	31.4	2.67	43.8	2.93	14.7	6.44	12.04								
46	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.0		Good	Good	15	30	Grove	Exceptional G	tag 97, ivy	x			2378.97	514.2	43.85	31.8	2.71	34.9	2.33	11.7	5.14	10.18								
47	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.0		Fair	Fair	25	30	Grove	Exceptional G	tag 96, dieback	x			2983.04	848.3	72.34	25.4	2.17	34.9	2.33	11.7	5.13	9.63								
48	Private	<i>Acer macrophyllum</i>	Bigleaf maple	23.0		Poor	Poor	30	30	Grove	Exceptional G	tag 99, severe decay	x			4964.13	2213.4	188.75	5	0.42	35.1	2.34	11.8	5.16	7.93								
49	Private	<i>Acer macrophyllum</i>	Bigleaf maple	19.4	13,5,14	Good	Good	40	30	Grove	Exceptional G	no tag	x			5778.85	1510.8	128.83	21.2	1.81	68.8	4.6	23.1	10.12	16.53								
50	Private	<i>Acer macrophyllum</i>	Bigleaf maple	7.0		Fair	Fair	10	30		-	tag 76, ivy	x			827.69	153.5	13.09	15.7	1.34	7.9	0.53	2.6	1.16	3.02								
51	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.5		Good	Good	20	30		-	tag 60	x			1329.12	237.2	20.23	23.8	2.03	18.3	1.22	6.1	2.69	5.94								
52	Private	<i>Acer macrophyllum</i>	Bigleaf maple	13.0		Good	Fair	20	30	Grove	Exceptional G	tag 59	x			2446.42	615.4	52.48	28.3	2.41	31.5	2.1	10.6	4.63	9.15								
53	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.9	5,5,4,4,5,3,5	Fair	Fair	15	30		-	tag 61	x			1197.65	263	22.43	21	1.79	13.1	0.87	4.4	1.93	4.59								
54	Private	<i>Prunus avium</i>	Wild cherry	8.7		Good	Good	15	29.4		-	tag 62	x			1425.1	323.2	27.56	24.4	2.08	10.7	0.72	3.6	1.58	4.38								
55	Private	<i>Prunus avium</i>	Wild cherry	10.5		Good	Good	30	29.4		-	tag 71	x			1954.43	510.9	43.57	27.3	2.32	14.8	0.99	5	2.17	5.48								
56	Private	<i>Prunus avium</i>	Wild cherry	6.5		Good	Good	15	29.4		-	tag 72	x			912.92	158.9	13.55	17.5	1.49	6.5	0.43	2.2	0.95	2.87								
57	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.5		Fair	Fair	15	30		-	heavy ivy, no tag	x			1112.42	237.2	20.23	19.9	1.69	12	0.8	4	1.77	4.26								
58	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.5		Fair	Fair	15	30		-	heavy ivy, no tag	x			1112.42	237.2	20.23	19.9	1.69	12	0.8	4	1.77	4.26								
59	Private	<i>Acer macrophyllum</i>	Bigleaf maple	13.0		Fair	Fair	12	30	Grove	Exceptional G	heavy ivy	x			2297.25	615.4	52.48	26.5	2.26	27.6	1.85	9.3	4.07	8.18								
60	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.5		Good	Good	25	30	Grove	Exceptional G	heavy ivy	x			3787.29	913.1	77.87	29.8	2.54	49.1	3.28	16.5	7.22	13.05								
61	Private	<i>Acer macrophyllum</i>	Bigleaf maple	9.0		Fair	Fair	18	30		-	tag 84, heavy ivy	x			1219.57	269.7	23	21.3	1.82	13.5	0.9	4.5	1.98	4.7								
62	Private	<i>Acer macrophyllum</i>	Bigleaf maple	6.0		Fair	Fair	18	30		-	tag 85, heavy ivy	x			668.49	108.6	9.26	13	1.11	5.7	0.38	1.9	0.84	2.33								
63	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.0		Fair	Fair	18	30	Grove	Exceptional G	tag 86	x			2983.04	848.3	72.34	25.4	2.17	34.9	2.33	11.7	5.13	9.63								
64	Private	<i>Acer macrophyllum</i>	Bigleaf maple	6.5		Fair	Poor	15	30		-	tag 90	x			599.89	129.9	11.08	11.5	0.98	4	0.27	1.3	0.59	1.83								
65	Private	<i>Acer macrophyllum</i>	Bigleaf maple	13.0		Fair	Fair	25	30	Grove	Exceptional G	tag 91	x			2297.25	615.4	52.48	26.5	2.26	27.6	1.85	9.3	4.07	8.18								
66	Private	<i>Acer macrophyllum</i>	Bigleaf maple	9.0		Good	Good	20	30		-	tag 89	x			1457.15	269.7	23	25.5	2.18	20.6	1.38	6.9	3.03	6.59								
67	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.0		Fair	Fair	20	30		-	tag 88	x			1011.39	207.1	17.66	18.4	1.57	10.4	0.7	3.5	1.54	3.8								
68	Private	<i>Acer macrophyllum</i>	Bigleaf maple	7.5		Fair	Poor	20	30		-	tag 87	x			737.94	179.1	15.28	13.7	1.16	5.4	0.36	1.8	0.79	2.31								
69	Private	<i>Acer macrophyllum</i>	Bigleaf maple	14.0		Fair	Fair	25	30	Grove	Exceptional G	tag 92, heavy ivy	x			2627.9	726.7	61.97	26.2	2.23	31.3	2.09	10.5	4.6	8.93								
70	Private	<i>Acer macrophyllum</i>	Bigleaf maple	20.0		Good	Good	30	30	Grove	Exceptional G	tag 93, heavy ivy	x			6124.75	1617.6	137.94	19.5	1.66	72.1	4.82	24.2	10.6	17.08								
71	Private	<i>Acer macrophyllum</i>	Bigleaf maple	17.0		Good	Good	22	30	Grove	Exceptional G	tag 94, heavy ivy	x			4500.6	1123.4	95.8	27.4	2.34	55.4	3.71	18.6	8.16	14.2								
72	Private	<i>Acer macrophyllum</i>	Bigleaf maple	16.0		Fair	Fair	20	30	Grove	Exceptional G	tag 82, heavy ivy	x			3362.68	980.5	83.61	24.3	2.07	38.1	2.54	12.8	5.6	10.22								
73	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.0		Good	Good	16	30	Grove	Exceptional G	tag 81, heavy ivy	x			2378.97	514.2	43.85	31.8	2.71	34.9	2.33	11.7	5.14	10.18								



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
74	Private	<i>Acer macrophyllum</i>	Bigleaf maple	14.0		Good	Good	20	30	Grove	Exceptional G	heavy ivy, tag 80	x			3139.83	726.7	61.97	31.4	2.67	43.8	2.93	14.7	6.44	12.04								
75	Private	<i>Acer macrophyllum</i>	Bigleaf maple	18.0		Fair	Fair	20	30	Grove	Exceptional G	no tag, heavy ivy	x			4195.43	1277.1	108.9	21.1	1.8	43.5	2.91	14.6	6.4	11.11								
76	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.3		Good	Good	25	30		-	no tag	x			1279.96	224.9	19.18	23.1	1.97	17.4	1.16	5.8	2.55	5.69								
77	Private	<i>Acer macrophyllum</i>	Bigleaf maple	13.5		Good	Good	25	30	Grove	Exceptional G	tag 63, ivy	x			2938.64	669.8	57.11	31.6	2.69	41.8	2.79	14	6.15	11.63								
78	Private	<i>Acer macrophyllum</i>	Bigleaf maple	7.0		Fair	Good	15	30		-	no tag	x			881.44	153.5	13.09	16.7	1.43	9.2	0.61	3.1	1.35	3.39								
79	Private	<i>Acer macrophyllum</i>	Bigleaf maple	24.0		Good	Fair	30	30	Grove	Exceptional G	no tag	x			7754.33	2435.2	207.66	3.1	0.26	76.2	5.09	25.6	11.21	16.57								
80	Private	<i>Acer macrophyllum</i>	Bigleaf maple	38.2	24,22,20	Fair	Poor	50	30	Grove	Exceptional SG	decay, on slope, no tag	x			13634.89	6908.7	589.14	2.2	0.19	86.7	5.8	29.1	12.76	18.74								
81	Private	<i>Prunus avium</i>	Wild cherry	9.0		Fair	Fair	25	29.4		-	tag 67	x			1260.82	351	29.93	20.8	1.77	7.4	0.49	2.5	1.09	3.36								
82	Private	<i>Acer macrophyllum</i>	Bigleaf maple	10.5		Good	Fair	20	30		-	no tag	x			1680.23	381.1	32.5	27.4	2.34	21.4	1.43	7.2	3.15	6.92								
83	Private	<i>Acer macrophyllum</i>	Bigleaf maple	11.0		Good	Fair	15	30		-	tag 65, ivy	x			1820.43	423	36.07	27.9	2.38	23.4	1.56	7.9	3.44	7.39								
84	Private	<i>Pinus strobus</i>	Eastern white pine	19.0		Good	Good	25	30	Grove	Exceptional G	ivy at base, tag 19	x			3378.75	841	71.72	38.3	3.27	54.2	3.63	18.2	7.98	14.87								
85	Private	<i>Ilex aquifolium</i>	English holly	6.5		Good	Good	20	18.8		-	no tag	x			912.92	129.5	11.04	8.5	0.73	3.6	0.24	1.2	0.53	1.49								
86	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.0		Good	Good	18	30	Grove	Exceptional G	tag 70, ivy	x			2378.97	514.2	43.85	31.8	2.71	34.9	2.33	11.7	5.14	10.18								
87	Private	<i>Acer macrophyllum</i>	Bigleaf maple	27.7	17,12,15.5,9.8	Good	Good	23	30		-	in rockery				11498.92	3359.2	286.45	2.2	0.19	120.4	8.05	40.4	17.71	25.95								
88	Private	<i>Picea pungens</i>	Colorado spruce	11.5		Good	Good	12	23.1		-					1039.06	428.7	36.56	15.3	1.3	16.3	1.09	5.5	2.4	4.8								
89	Private	<i>Picea pungens</i>	Colorado spruce	15.5		Good	Good	13	23.1		-					1887.72	833.8	71.1	22	1.88	32.7	2.19	11	4.82	8.88								
90	Private	<i>Pinus sylvestris</i>	Scots pine	13.5		Good	Good	12	24	Grove	Exceptional G	tag 21 ivy	x			1431.96	485.5	41.4	28.1	2.39	22	1.47	7.4	3.23	7.09								
91	Private	<i>Acer macrophyllum</i>	Bigleaf maple	34.0	15.5,5,13.5,11,10,7,7,12,10,8,6,4,4,4	Good	Fair	35	30	Grove	Exceptional SG	tag 20	x			14887.01	5319.9	453.66	2.6	0.22	129.7	8.67	43.6	19.09	27.98								
92	Private	<i>Populus trichocarpa</i>	Black cottonwood	23.7	16,15,9	Good	Good	50		Grove	Exceptional G	tag 25	x			4379.73	6586.1	561.63	197.9	16.87	86	5.75	28.9	12.65	35.28								
93	Private	<i>Populus trichocarpa</i>	Black cottonwood	10.0		Good	Good	15			-	no tag	x			1058.31	773.4	65.95	55.7	4.75	14.2	0.95	4.8	2.08	7.78								
94	Private	<i>Populus trichocarpa</i>	Black cottonwood	19.8	13,12,9	Good	Fair	50		Grove	Exceptional G	tag 23	x			2815.86	4214.9	359.43	135.2	11.53	51.7	3.45	17.4	7.6	22.58								
95	Private	<i>Populus trichocarpa</i>	Black cottonwood	8.8		Good	Fair	25			-	tree tag 27, heavy blackberry and ivy	x			798.62	563.2	48.03	41.1	3.5	7.5	0.5	2.5	1.1	5.1								
96	Private	<i>Populus trichocarpa</i>	Black cottonwood	33.7	14,10,16,15,12,13,7	Good	Fair	60		Grove	Exceptional G	tag 26, ivy, blackberry	x			7388.15	15796.2	1347.03	297.3	25.36	78.2	5.23	26.3	11.5	42.09								
97	Private	<i>Populus trichocarpa</i>	Black cottonwood	9.4	8.5,4	Good	Good	12			-	tag 28	x			974.57	663.3	56.56	50.9	4.34	11.9	0.8	4	1.75	6.89								
98	Private	<i>Populus trichocarpa</i>	Black cottonwood	28.6	13,18,18	Good	Fair	50		Grove	Exceptional G	tag 29, ivy	x			5546.9	10503.4	895.68	232.7	19.85	74.1	4.95	24.9	10.9	35.69								
99	Private	<i>Cedrus deodara</i>	Deodar cedar	13.0		Good	Good	23	30	Grove	Exceptional G	ivy climbing trunk, tag 30	x			2409.87	638.6	54.46	36.1	3.08	8.9	0.6	3	1.31	4.99								
100	Private	<i>Alnus rubra</i>	Red alder	15.0	9,9,8	Good	Good	28		Grove	Exceptional G	no tag, ivy	x			3711.99	216	18.42	10.8	0.92	38.8	2.59	13	5.7	9.21								
101	Private	<i>Cedrus deodara</i>	Deodar cedar	19.0		Good	Good	23	30	Grove	Exceptional G	tag 31	x			5276.44	1406.3	119.93	54.5	4.65	20	1.34	6.7	2.95	8.93								
102	Private	<i>Cedrus deodara</i>	Deodar cedar	17.7		Good	Good	25	30	Grove	Exceptional G	tag 22	x			4564.13	1213.6	103.49	50.5	4.3	17.3	1.16	5.8	2.55	8.01								
103	Private	<i>Betula pendula</i>	European white birch	14.0		Good	Fair	25	24	Grove	Exceptional G					3069.52	898.8	76.65	53.4	4.55	22.3	1.49	7.5	3.28	9.33								
104	Private	<i>Betula pendula</i>	European white birch	9.2		Good	Good	14	24		-					1633.39	318.5	27.16	32.6	2.78	15.6	1.04	5.2	2.29	6.12							Remove	
105	Private	<i>Robinia pseudoacacia</i>	Black locust	25.0		Good	Good	20	30		-	dsh estimated due to access	x			9416.94	2507.3	213.81	2.1	0.17	57.9	3.87	19.4	8.52	12.56								
106	Private	<i>Picea pungens</i>	Colorado spruce	11.2		Good	Good	11	23.1		-					985.55	403.9	34.45	14.8	1.26	15.2	1.02	5.1	2.24	4.52								
107	Private	<i>Robinia pseudoacacia</i>	Black locust	30.0		Good	Good	29	30		Exceptional S	dsh estimated	x			13440.73	3951	336.93	2.7	0.23	61.7	4.13	20.7	9.08	13.44								
108	Private	<i>Pinus sylvestris</i>	Scots pine	17.7		Good	Good	17	24		-					2461.66	872.7	74.42	37.9	3.23	37.7	2.52	12.7	5.55	11.31								
109	Private	<i>Robinia pseudoacacia</i>	Black locust	14.8	7.5,8,10	Good	Good	16	30		-		x			3476.95	689.2	58.77	13.9	1.19	31.3	2.09	10.5	4.61	7.89								Remove



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110	Private	<i>Prunus laurocerasus</i>	Cherry laurel	30.0		Good	Good	25	26.2		Exceptional S	48 trunk hedge with dsh ranging from 3 to 12 inches	x			14050.53	7912.1	674.71	5.2	0.45	50.8	3.39	17	7.47	11.31								Remove		
111	Private	<i>Acer macrophyllum</i>	Bigleaf maple	56.5	17.5,33,30,30	Fair	Fair	30	30		Exceptional S	severe decay and old tear outs	x			27655.55	16534.7	1410	33.1	2.82	204.4	13.66	68.6	30.07	46.55		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
112	Private	<i>Acer platanoides</i>	Norway maple	10.5		Good	Good	19	30		-		x			2255.51	473.8	40.41	37.9	3.23	29.3	1.96	9.8	4.31	9.5		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
113	Private	<i>Salix sp. (native)</i>	Native Willow	15.3	4,5,4,6,5,3,3,3,4,5,7	Good	Good	18	8		Exceptional S	Scoulers willow, dsh est, holly in canopy	x			2599.32	2222.3	189.51	40	3.41	30.2	2.02	10.2	4.45	9.88		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
114	Private	<i>Acer macrophyllum</i>	Bigleaf maple	20.8	3,4,4,4,4,5,6,6,3,4,4,3,3,7,4,5,7,5,5,4,2,2,5	Good	Fair	19	30		-		x			5884.69	1766.4	150.63	14.9	1.27	60.9	4.07	20.4	8.96	14.3								Remove		
115	Private	<i>Prunus serrulata</i>	Flowering cherry	15.0	7,7,3,6,5,9,	Good	Fair	19	23		-		x			3308.51	1451	123.74	1.3	0.11	17.1	1.14	5.7	2.52	3.77								Remove		
116	Private	<i>Betula pendula</i>	European white birch	10.0		Good	Good	15	24		-		x			1883.1	391.3	33.37	36.8	3.14	17.7	1.18	5.9	2.6	6.92								Remove		
117	Private	<i>Betula pendula</i>	European white birch	10.0		Good	Good	14	24		-		x			1883.1	391.3	33.37	36.8	3.14	17.7	1.18	5.9	2.6	6.92										
118	Private	<i>Betula pendula</i>	European white birch	7.6		Good	Good	10	24		-		x			1196.38	198.8	16.96	24.8	2.11	11.4	0.76	3.8	1.68	4.56										
119	Private	<i>Acer macrophyllum</i>	Bigleaf maple	20.5	13,5,12,9	Good	Fair	20	30		-		x			5723.11	1709.8	145.8	16.1	1.37	59.5	3.97	20	8.75	14.09										
120	Private	<i>Acer platanoides</i>	Norway maple	12.5		Good	Good	22	30		-	blackberry at base phototropic	x			3096.85	703.8	60.02	42	3.58	39.1	2.62	13.1	5.76	11.96		Remove		Remove	Remove	Remove	Remove	Remove		
121	Private	<i>Malus domestica</i>	Apple	8.5	6,6	Fair	Fair	22	20		-		x			1148.65	276.4	23.57	19.3	1.65	4.9	0.33	1.6	0.72	2.7										
122	Private	<i>Zelkova serrata</i>	Japanese zelkova	10.4	6,5,4,5,5,2,4,4	Good	Good	18	21		-		x			2217.28	226.3	19.29	9.8	0.84	25.2	1.69	8.5	3.71	6.24		Remove		Remove	Remove	Remove	Remove	Remove		
123	Private	<i>Acer rubrum</i>	Red maple	6.0		Good	Good	8	25		-		x			732.87	119.7	10.2	18.4	1.57	9.7	0.65	3.2	1.42	3.63		Remove		Remove	Remove	Remove	Remove	Remove		
124	Private	<i>Acer pseudoplatanus</i>	Sycamore maple	15.4	9,5,5,11	Good	Good	21	24		-		x			4187.2	1163.5	99.22	45	3.84	47.9	3.2	16.1	7.05	14.1		Remove		Remove	Remove	Remove	Remove	Remove		
125	Private	<i>Betula pendula</i>	European white birch	7.0		Good	Good	12	24		-		x			1053.96	162.3	13.84	22	1.88	9.9	0.66	3.3	1.45	3.99		Remove		Remove	Remove	Remove	Remove	Remove		
126	Private	<i>Acer pseudoplatanus</i>	Sycamore maple	7.5		Good	Good	14	24		-		x			1187.19	225.3	19.21	19	1.62	15.7	1.05	5.3	2.31	4.98		Remove		Remove	Remove	Remove	Remove	Remove		
127	Private	<i>Populus trichocarpa</i>	Black cottonwood	7.7	6,3,4,5	Good	Fair	12			-		x			682.24	404.5	34.49	33.8	2.88	5.3	0.35	1.8	0.78	4.02		Remove		Remove	Remove	Remove	Remove	Remove		
128	Private	<i>Prunus avium</i>	Wild cherry	10.0	7,7,5,4	Fair	Poor	19	29.4		-		x			1211.32	453.7	38.69	17.7	1.51	5.3	0.35	1.8	0.78	2.64		Remove		Remove	Remove	Remove	Remove	Remove		
129	Private	<i>Betula pendula</i>	European white birch	9.2		Good	Good	13	24		-		x			1633.39	318.5	27.16	32.6	2.78	15.6	1.04	5.2	2.29	6.12		Remove		Remove	Remove	Remove	Remove	Remove		
130	Private	<i>Prunus serrulata</i>	Flowering cherry	7.7		Good	Good	12	23		-		x			1173.91	286	24.39	0.6	0.05	6.1	0.41	2.1	0.9	1.36		Remove		Remove	Remove	Remove	Remove	Remove		
131	Private	<i>Acer platanoides</i>	Norway maple	12.4		Good	Good	16	30		-		x			3051.3	690.9	58.92	42	3.58	38.6	2.58	13	5.68	11.85		Remove		Remove	Remove	Remove	Remove	Remove		
132	Private	<i>Prunus serrulata</i>	Flowering cherry	13.3	8,2,8,6,7	Good	Fair	16	23		-		x			2651.73	1082.6	92.32	1.1	0.1	13.8	0.92	4.6	2.03	3.05										
133	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	11.2	8,6,5	Good	Good	9	30		-		x			1259.24	432.5	36.88	21.4	1.82	7.9	0.53	2.7	1.17	3.52		Remove		Remove	Remove	Remove	Remove	Remove		
134	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	14.0		Good	Good	9	30		-		x			1990.16	688.7	58.73	27.2	2.32	13.3	0.89	4.5	1.95	5.16		Remove		Remove	Remove	Remove	Remove	Remove		
135	Private	<i>Abies procera</i>	Noble fir	15.3		Fair	Good	12	20.3		-					1868.5	652.3	55.63	27.2	2.32	22.1	1.48	7.4	3.25	7.05										
136	Private	<i>Camellia japonica</i>	Japanese camellia	10.2	5,4,8,3,5,4,3,5,4	Good	Good	11	30		-					1859.32	668.8	57.03	0.7	0.06	9.8	0.66	3.3	1.44	2.16										
137	Private	<i>Sorbus aucuparia</i>	European mountain ash	10.6	4,3,4,9,4,8,5,6,4	Good	Good	15	29		-					1986.75	490.1	41.79	22.4	1.91	14.3	0.95	4.8	2.1	4.96										
138	Private	<i>Tsuga mertensiana</i>	Mountain hemlock	7.2		Good	Good	7.5	10.8		-		x			548.02	89.5	7.63	5.4	0.46	5.7	0.38	1.9	0.83	1.67										
139	Private	<i>Tsuga heterophylla</i>	Western hemlock	19.9		Good	Good	17	24		-					4604.71	892.1	76.07	19.5	1.66	58.6	3.92	19.7	8.62	14.2										
140	Private	<i>Photinia x fraseri</i>	Fraser photinia	11.4	7,2,4,5,8,5,3	Good	Good	18	12		-		x			2256.32	968.4	82.58	1.3	0.11	16.4	1.09	5.5	2.41	3.61										
141	Private	<i>Tsuga mertensiana</i>	Mountain hemlock	7.1		Good	Good	10	10.8		-		x			531.17	86.4	7.37	5.3	0.45	5.4	0.36	1.8	0.8	1.61										
142	Private	<i>Prunus laurocerasus</i>	Cherry laurel	10.6	7,2,4,5,1,3,3	Good	Good	13	26.2		-					1986.75	643.7	54.89	1.2	0.1	16.5	1.1	5.5	2.42	3.62										
143	Private	<i>Acer palmatum</i>	Japanese maple	12.7	8,5,9,5	Good	Good	10	12		Exceptional S					2435.65	572.9	48.85	0.5	0.04	25.8	1.73	8.7	3.8	5.57										



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking	
144	Private	<i>Acer palmatum</i>	Japanese maple	10.4	6.5,4.5,4.2,5.2	Good	Good	13	12		-		x			1726.74	362.1	30.88	4.4	0.37	16.4	1.09	5.5	2.41	3.88									
145	Private	<i>Sequoia sempervirens</i>	Coast redwood	50.6		Good	Good	22	30		Exceptional S					21826.53	8273.7	705.54	139.1	11.86	78.9	5.27	26.5	11.61	28.75									
146	Private	<i>Acer macrophyllum</i>	Bigleaf maple	28.0		Good	Fair	40	30		-		x			10466.97	3441.3	293.46	2	0.17	97	6.49	32.6	14.27	20.93									
147	Private	<i>Acer macrophyllum</i>	Bigleaf maple	33.5		Good	Good	50	30		Exceptional S		x			16267.61	5146	438.83	2.8	0.24	159.8	10.68	53.7	23.52	34.44									
148	Private	<i>Prunus laurocerasus</i>	Cherry laurel	13.1	5.2,7.6,9.3	Good	Good	15	26.2		-					2894.24	1073.8	91.57	1.6	0.14	24.2	1.62	8.1	3.56	5.32									
149	Private	<i>Ilex aquifolium</i>	English holly	11.0		Good	Good	9	18.8		-		x			2119.08	420.1	35.83	15.2	1.3	9	0.6	3	1.33	3.23									
150	Private	<i>Betula pendula</i>	European white birch	15.9		Good	Good	17	24		-		x			4367.45	1231.6	105.02	72.3	6.16	35.5	2.37	11.9	5.22	13.76									
151	Private	<i>Acer platanoides</i>	Norway maple	16.2		Good	Good	17	30		-					5039.06	1269.8	108.28	43	3.66	54.2	3.62	18.2	7.97	15.26									
152	Private	<i>Acer platanoides</i>	Norway maple	15.0		Good	Good	15	30		-					4354.28	1065.8	90.89	43.2	3.68	50.1	3.35	16.8	7.38	14.41									
153	Private	<i>Acer macrophyllum</i>	Bigleaf maple	38.2		Good	Good	42	30		Exceptional S			x		20232.42	6908.7	589.14	3.3	0.28	191	12.77	64.2	28.11	41.16									
154	Private	<i>Acer macrophyllum</i>	Bigleaf maple	43.3		Good	Good	45	30		Exceptional S			x		24222.72	9151.6	780.41	3.9	0.33	221	14.77	74.2	32.51	47.62									
155	Private	<i>Acer platanoides</i>	Norway maple	16.7		Good	Good	18	30		-		x	x		5339.93	1361.1	116.06	42.6	3.63	55.7	3.72	18.7	8.19	15.54									
156	Private	<i>Sorbus aucuparia</i>	European mountain ash	11.0		Good	Good	12	29		-		x	x		2119.08	536.6	45.76	21.6	1.84	15.3	1.03	5.2	2.26	5.13									
157	Private	<i>Acer rubrum</i>	Red maple	6.2		Good	Good	8	25		-			x		762.62	129.4	11.03	19.2	1.64	10.3	0.69	3.5	1.52	3.85									
158	Private	<i>Acer platanoides</i>	Norway maple	16.5		Good	Good	19	30		-			x		5218.48	1324	112.91	42.8	3.65	55.2	3.69	18.5	8.11	15.45									
159	Private	<i>Acer pseudoplatanus</i>	Sycamore maple	12.8		Good	Good	15	24		-		x	x		2971.35	762.3	65	37.8	3.23	38.5	2.57	12.9	5.67	11.47									
160	Private	<i>Halesia carolina</i>	Carolina silverbell	20.5	13,10.5,11.8	Good	Good	17	15.6		Exceptional S			x		6702.51	1178.5	100.5	1	0.08	51	3.41	17.1	7.51	11									
161	Private	<i>Malus domestica</i>	Apple	12.5		Good	Good	17	20		-			x		2658.98	710.5	60.59	40.2	3.43	13.5	0.9	4.5	1.99	6.33									
162	Private	<i>Quercus palustris</i>	Pin oak	27.0		Fair	Fair	32	30		-		x	x		11359.53	3278.5	279.57	1.7	0.14	90.4	6.04	30.4	13.3	19.49									
163	Private	<i>Malus domestica</i>	Apple	7.0		Fair	Fair	10	20		-		x	x		850.6	171.9	14.66	14.6	1.25	3.6	0.24	1.2	0.53	2.02									
164	Private	<i>Cornus florida</i>	Eastern flowering dogwood	8.3	5.8,5.9	Fair	Fair	15	12		-		x	x		1105.58	255.2	21.76	13.8	1.18	5.4	0.36	1.8	0.8	2.34									
165	Private	<i>Malus domestica</i>	Apple	11.3		Good	Good	17	20		-		x	x		2221.55	554.9	47.32	34.8	2.97	11.7	0.78	3.9	1.72	5.46									
166	Private	<i>Acer macrophyllum</i>	Bigleaf maple	60.4	25,26,26.1,9,27,24	Fair	Poor	40	30		Exceptional S	cables in canopy, ivy at base, decline and decay, k deusta	x	x		23743.82	16534.7	1410	33.1	2.82	141.3	9.45	47.5	20.79	33.06									
167	Private	<i>Robinia pseudoacacia</i>	Black locust	41.1	27,31	Good	Fair	35	30		Exceptional S					20091.1	8712.6	742.97	3.9	0.33	54.8	3.66	18.4	8.06	12.06									
168	Private	<i>Malus domestica</i>	Apple	7.0		Good	Good	14	20		-			x		1016.3	171.9	14.66	17.6	1.5	5.5	0.37	1.9	0.81	2.68									
169	Private	<i>Gleditsia triacanthos</i>	Honeylocust	20.2		Good	Good	32	20		Exceptional S					4782.71	1323.8	112.89	60.8	5.18	43.7	2.92	14.7	6.43	14.53									
170	Private	<i>Malus domestica</i>	Apple	9.4	6,7.2	Good	Good	13	20		-					1619.16	353.6	30.15	26.7	2.28	8.7	0.58	2.9	1.28	4.14									
171	Private	<i>Fagus sylvatica</i>	European beech	21.0		Good	Good	25	30		-			x		10411.92	2687.1	229.14	1.3	0.11	135.8	9.08	45.6	19.99	29.18									
172	Private	<i>Quercus palustris</i>	Pin oak	40.5		Good	Good	28	30		Exceptional S					27489.29	7370.3	628.51	3	0.26	254.9	17.04	85.6	37.51	54.8									
173	Private	<i>Tsuga heterophylla</i>	Western hemlock	19.0		Good	Good	23	24		-	ivy, surface roots				4192.05	800.9	68.29	18.3	1.56	54.3	3.63	18.2	7.98	13.17									
174	Private	<i>Tsuga heterophylla</i>	Western hemlock	14.0		Good	Good	18	24		-					2247.22	374.6	31.95	11.3	0.97	29.5	1.97	9.9	4.34	7.28									
175	Private	<i>Malus domestica</i>	Apple	7.3		Good	Good	15	20		-	ivy at base				1082.01	190.5	16.24	18.7	1.59	5.9	0.4	2	0.87	2.86									
176	Private	<i>Robinia pseudoacacia</i>	Black locust	27.5		Good	Good	32	30		-					11337.39	3179.2	271.1	2.4	0.2	60.1	4.02	20.2	8.85	13.07									



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Seattle Pacific University, Seattle, WA

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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
177	Private	<i>Prunus laurocerasus</i>	Cherry laurel	14.1	7,5,2,4,5,4,3,6,5,6,5	Good	Good	19	26.2		-					3310.85	1282.5	109.37	1.8	0.15	27.4	1.83	9.2	4.03	6.02								
178	Private	<i>Prunus laurocerasus</i>	Cherry laurel	14.1	7,5,2,4,5,4,3,6,5,6,5	Good	Good	19	26.2		-					3310.85	1282.5	109.37	1.8	0.15	27.4	1.83	9.2	4.03	6.02								
179	Private	<i>Quercus palustris</i>	Pin oak	34.5		Fair	Fair	30	30		Exceptional S					17841.35	5349.7	456.19	2.1	0.18	137.5	9.19	46.2	20.23	29.6								
180	Private	<i>Ginkgo biloba</i>	Ginkgo biloba	10.5		Good	Good	12	24		-					2255.51	160.5	13.68	7.8	0.66	18.6	1.25	6.3	2.74	4.65								
181	ROW	<i>Malus domestica</i>	Apple	9.3		Good	Good	16	20		-					1590.52	344.5	29.37	26.3	2.25	8.6	0.57	2.9	1.26	4.08	0							
182	Private	<i>Malus domestica</i>	Apple	10.3	5,5,7,5,4,5	Good	Good	17	20		-					1890.72	442.3	37.72	30.5	2.6	10.1	0.68	3.4	1.49	4.77								
183	Private	<i>Malus domestica</i>	Apple	14.5	8,5,7,5,8	Good	Fair	15	20		-					3107.15	1021.9	87.14	44	3.75	13	0.87	4.3	1.91	6.52								
184	Private	<i>Ginkgo biloba</i>	Ginkgo biloba	14.5		Good	Fair	14	24		-	Codominant trunks				3640.54	362.6	30.92	11.3	0.96	27.7	1.85	9.3	4.08	6.89	0							
185	Private	<i>Quercus palustris</i>	Pin oak	36.0		Good	Good	30	30		-					22912.68	5824.5	496.69	2.7	0.23	211.3	14.13	71	31.09	45.44	0							
186	Private	<i>Prunus serrulata</i>	Flowering cherry	24.4	18,2,16,2	Good	Fair	20	23		Exceptional S					8364.49	4745.2	404.65	2.7	0.23	28.5	1.91	9.6	4.2	6.33								
187	Private	<i>Liquidambar styraciflua</i>	American sweetgum	20.8		Good	Fair	25	27		-					8002.58	1196.4	102.03	47.5	4.05	59.1	3.95	19.8	8.69	16.68	0							
188	Private	<i>Malus domestica</i>	Apple	8.2		Good	Good	12	20		-					1295.68	253.1	21.59	22	1.88	7.1	0.47	2.4	1.05	3.4								
189	Private	<i>Malus domestica</i>	Apple	10.6		Good	Good	15	20		-					1986.75	474.5	40.46	31.8	2.71	10.5	0.7	3.5	1.55	4.96								
190	Private	<i>Cercis canadensis</i>	Redbud	15.7	9,9,9,8,2	Good	Fair	33	9.5		Exceptional S	previously failed, growing vertically now				3601.88	695	59.27	0.6	0.05	25.5	1.7	8.5	3.74	5.5								
191	Private	<i>Sorbus aucuparia</i>	European mountain ash	8.5		Good	Good	11	29		-					1372.41	285.5	24.34	25.7	2.19	9.1	0.61	3	1.33	4.13								
192	Private	<i>Chamaecyparis obtusa</i>	Hinoki cypress	10.0		Good	Good	10	16.4		-					995.72	418.9	35.73	16.1	1.37	6.2	0.41	2.1	0.91	2.69								
193	Private	<i>Quercus palustris</i>	Pin oak	25.0		Good	Good	30	30		-		x			11670.27	2811.5	239.75	8.7	0.74	112.6	7.53	37.8	16.57	24.85								
194	Private	<i>Malus domestica</i>	Apple	9.1	6,6,8	Good	Good	13	20		-					1534.15	326.6	27.85	25.5	2.18	8.3	0.55	2.8	1.22	3.95								
195	Private	<i>Malus domestica</i>	Apple	9.4	5,2,5,6,5,5	Good	Good	15	20		-		x			1619.16	353.6	30.15	26.7	2.28	8.8	0.59	2.9	1.29	4.16								
196	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	24.3		Good	Fair	27	27		-	possible row tree	x	x		10850.32	1756.4	149.78	59.2	5.05	66.5	4.44	22.3	9.78	19.27	0							
197	Private	<i>Acer rubrum</i>	Red maple	10.0		Good	Good	15	25		-		x			1513.24	405.6	34.59	37	3.15	27.1	1.81	9.1	3.99	8.96								
198	Private	<i>Cornus kousa</i>	Kousa dogwood	11.7	10,6	Good	Good	12	12		-		x			2362.46	881.1	75.14	0.8	0.07	15	1	5	2.21	3.27								
199	Private	<i>Acer rubrum</i>	Red maple	7.5		Good	Good	10	25		-		x			979.78	203.8	17.38	24.9	2.12	15.4	1.03	5.2	2.27	5.42								
200	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	15.3	7,6,8,7,8	Good	Fair	16	30		-	heavy ivy	x			3539.92	1114.1	95	31.5	2.69	44.5	2.97	14.9	6.54	12.2								
201	Private	<i>Malus domestica</i>	Apple	9.2		Good	Good	12	20		-	ivy	x			1562.18	335.5	28.61	25.9	2.21	8.4	0.56	2.8	1.24	4.02								
202	Private	<i>Malus domestica</i>	Apple	12.1	10,6,8	Good	Good	12	20		-		x			2508.27	656.1	55.95	38.4	3.27	12.9	0.86	4.3	1.89	6.03								
203	Private	<i>Crataegus monogyna</i>	Common hawthorn	9.1		Good	Good	14	16.2		-		x	x		1534.15	374.8	31.96	0.4	0.04	5.8	0.38	1.9	0.85	1.27								
204	Private	<i>Salix matsudana 'Tortuosa'</i>	Corkscrew willow	33.5	22,7,20,14,3	Good	Fair	25	24		Exceptional S		x	x		9786.19	15563.8	1327.21	6.5	0.55	78.7	5.26	26.4	11.58	17.39								
205	Private	<i>Juniperus scopulorum</i>	Rocky Mountain juniper	13.0		Good	Good	12	30		-		x	x		1087.39	1539.9	131.32	18.5	1.58	28.8	1.93	9.7	4.24	7.74								
206	Private	<i>Juniperus scopulorum</i>	Rocky Mountain juniper	10.2		Good	Good	12	30		-		x	x		679.03	895	76.32	31.3	2.67	16.9	1.13	5.7	2.49	6.3								
207	Private	<i>Pinus contorta var. contorta</i>	Shore pine	6.2		Good	Good	10	12		-			x		316.61	70.5	6.01	8.6	0.73	3.8	0.25	1.3	0.56	1.54								
208	Private	<i>Acer palmatum</i>	Japanese maple	10.0		Good	Good	14	12		-			x		1617.86	331	28.23	4.8	0.41	15.1	1.01	5.1	2.22	3.64								
209	Private	<i>Cornus florida</i>	Eastern flowering dogwood	15.6	9,8,7,5,6,5	Good	Good	15	12		Exceptional S			x		3993.19	1098.3	93.66	17.3	1.47	22.5	1.5	7.6	3.31	6.29								
210	Private	<i>Acer palmatum</i>	Japanese maple	15.4	9,4,9,8,2	Good	Good	16	12		Exceptional S			x		3447.98	891.9	76.06	0.6	0.05	37.2	2.49	12.5	5.48	8.02								
211	ROW	<i>Picea pungens</i>	Colorado spruce	10.0		Good	Good	12	23.1		-	possible row tree		x		785.64	313.5	26.74	12.9	1.1	11.5	0.77	3.9	1.69	3.56	0							
212	Private	<i>Cedrus deodara</i>	Deodar cedar	20.0		Good	Good	25	30		-	dsh estimated due to access		x		5858.71	1564.7	133.43	57.7	4.92	22.1	1.48	7.4	3.25	9.65								
213	Private	<i>Magnolia grandiflora</i>	Southern magnolia	9.0		Good	Good	12	16		-		x	x		1334.24	289.4	24.68	20.1	1.71	18	1.2	6	2.65	5.57								
214	Private	<i>Ilex aquifolium</i>	English holly	7.0		Good	Good	8	18.8		-		x	x		1016.3	152.6	13.01	9.3	0.8	4	0.27	1.4	0.59	1.66								



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking		
215	ROW	<i>Acer circinatum</i>	Vine maple	8.2	4,5,4,5,3,3,2,2	Good	Good	11	8		-			x		1180.74	543.1	46.31	0.9	0.08	17.8	1.19	6	2.63	3.9	0									
216	ROW	<i>Viburnum sp.</i>	Viburnum	10.0	3,3,4,3,5,3,3,2,3,5,4,5,3	Good	Good	16	30		-	viburnum sp.		x		1797.44	481	41.01	31.5	2.68	3	0.2	1	0.44	3.32	0									
217	ROW	<i>Juglans cinerea</i>	Butternut	10.9	9,4,3,3,5	Good	Good	18	18.2		-			x		2144.28	190.5	16.25	16.2	1.38	24.8	1.66	8.3	3.65	6.69	0									
218	Private	<i>Arbutus unedo</i>	Strawberry tree	19.2	6,5,7,7,2,5,5,6,4,6,4,6,4	Good	Good	20	10.2		Exceptional S		x	x		5912.03	2498.1	213.03	1.4	0.12	10.6	0.71	3.6	1.56	2.39										
219	Private	<i>Malus domestica</i>	Apple	8.5		Good	Good	15	20		-		x	x		1372.41	276.4	23.57	23.2	1.98	7.5	0.5	2.5	1.1	3.58										
220	Private	<i>Acer pseudoplatanus</i>	Sycamore maple	7.0		Good	Good	10	24		-		x	x		1066.97	192.7	16.43	17.4	1.49	13.8	0.92	4.6	2.03	4.43										
221	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	24.0		Fair	Fair	26	27		-	decay, surface roots, possible row tree		x		9943.24	1703.4	145.26	54.5	4.65	58.4	3.91	19.6	8.6	17.15	0									
222	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.4		Good	Good	21	30	Grove	Exceptional G		x			2521.77	553.5	47.2	31.8	2.71	36.9	2.47	12.4	5.43	10.61										
223	Private	<i>Corylus cornuta</i>	Beaked hazelnut	6.7	4,5,3,5,3,5	Good	Good	15	0		Exceptional S		x			953.35	258.6	22.05	16.9	1.44	11	0.74	3.7	1.62	3.8										
224	Private	<i>Acer macrophyllum</i>	Bigleaf maple	14.0	4,7,13,2	Good	Fair	20	30	Grove	Exceptional G		x			2798.54	726.7	61.97	27.8	2.37	35.5	2.37	11.9	5.22	9.97										
225	Private	<i>Alnus rubra</i>	Red alder	27.0		Fair	Fair	35		Grove	Exceptional G		x			9567.61	700	59.69	9.4	0.8	47.7	3.19	16	7.01	11										
226	Private	<i>Acer macrophyllum</i>	Bigleaf maple	11.1		Good	Good	15	30		-		x			2074.77	431.7	36.81	31.5	2.69	30.5	2.04	10.2	4.49	9.21										
227	Private	<i>Acer macrophyllum</i>	Bigleaf maple	23.0		Good	Good	30	30	Grove	Exceptional G		x			8012.27	2213.4	188.75	8	0.68	89.7	5.99	30.1	13.19	19.87										
228	Private	<i>Acer macrophyllum</i>	Bigleaf maple	27.0		Good	Good	26	30	Grove	Exceptional G		x			10938.67	3171.7	270.47	2.2	0.18	115.6	7.73	38.8	17.01	24.92										
229	Private	<i>Alnus rubra</i>	Red alder	13.5		Fair	Fair	15		Grove	Exceptional G		x			2558.75	175	14.92	8.1	0.69	22.9	1.53	7.7	3.37	5.6										
230	Private	<i>Alnus rubra</i>	Red alder	11.5		Fair	Fair	12			-		x			1917.8	127	10.83	6.9	0.59	17.9	1.2	6	2.64	4.43										
231	Private	<i>Acer macrophyllum</i>	Bigleaf maple	13.3	10,6,3,6	Good	Fair	20	30	Grove	Exceptional G		x			2549.32	647.7	55.23	28.3	2.41	32.6	2.18	11	4.8	9.39										
232	Private	<i>Acer macrophyllum</i>	Bigleaf maple	22.2		Good	Good	28	30	Grove	Exceptional G		x			7483.18	2044.4	174.34	11.4	0.97	85	5.68	28.5	12.51	19.16										
233	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.9		Fair	Fair	16	30	Grove	Exceptional G		x			3323.61	966.8	82.45	24.4	2.08	37.7	2.52	12.7	5.55	10.15										
234	Private	<i>Acer macrophyllum</i>	Bigleaf maple	9.2		Good	Fair	16	30		-		x			1346.24	283.3	24.16	23.3	1.99	16.4	1.09	5.5	2.41	5.49										
235	Private	<i>Acer macrophyllum</i>	Bigleaf maple	6.0		Fair	Fair	8	30		-		x			668.49	108.6	9.26	13	1.11	5.7	0.38	1.9	0.84	2.33										
236	Private	<i>Prunus avium</i>	Wild cherry	8.7		Good	Good	12	29.4		-		x			1425.1	323.2	27.56	24.4	2.08	10.7	0.72	3.6	1.58	4.38										
237	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.0		Fair	Fair	16	30	Grove	Exceptional G		x			1991.09	514.2	43.85	26.5	2.26	23.9	1.6	8	3.52	7.38										
238	Private	<i>Quercus alba</i>	White oak	32.0		Good	Good	40	15.5	Grove	Exceptional SG					17367.63	6735.2	574.35	55.9	4.76	118.7	7.93	39.9	17.46	30.16										
239	Private	<i>Quercus alba</i>	White oak	32.0		Good	Good	40	15.5	Grove	Exceptional SG					17367.63	6735.2	574.35	55.9	4.76	118.7	7.93	39.9	17.46	30.16										
240	Private	<i>Acer macrophyllum</i>	Bigleaf maple	10.4	5,3,4,4,5,3,3	Good	Fair	15	30		-		x			1652.97	373	31.81	27.1	2.31	21.1	1.41	7.1	3.11	6.83										
241	Private	<i>Quercus alba</i>	White oak	30.0		Good	Good	35	15.5	Grove	Exceptional SG					15613.58	5733.7	488.95	51	4.35	116	7.76	39	17.07	29.17										
242	Private	<i>Acer macrophyllum</i>	Bigleaf maple	16.6	9,10,6,9	Fair	Fair	20	30	Grove	Exceptional G		x			3602.22	1064.9	90.81	23.6	2.01	39.8	2.66	13.4	5.85	10.53										
243	Private	<i>Alnus rubra</i>	Red alder	28.0		Good	Fair	29			-					10939.72	752.8	64.19	9.5	0.81	53.5	3.58	18	7.88	12.27										
244	Private	<i>Acer macrophyllum</i>	Bigleaf maple	33.0		Good	Good	40	30		Exceptional S	on property line	x			15829.6	4975.3	424.27	2.8	0.24	156.8	10.48	52.7	23.07	33.79										
245	Private	<i>Prunus laurocerasus</i>	Cherry laurel	9.7		Good	Good	15	26.2		-		x			1706.92	519.3	44.28	1	0.09	13.8	0.93	4.6	2.04	3.05										
246	Private	<i>Prunus avium</i>	Wild cherry	18.0		Good	Good	25	29.4		-	on property line	x			5228.31	1898.5	161.9	25.4	2.16	32.9	2.2	11.1	4.84	9.21										
247	Private	<i>Acer macrophyllum</i>	Bigleaf maple	34.1	14,18,20,12,10	Good	Fair	42	30		Exceptional S		x			14964.21	5355.1	456.66	2.6	0.22	130.4	8.71	43.8	19.18	28.11										
248	ROW	<i>Malus domestica</i>	Apple	11.0		Fair	Fair	12	20		-			x		1773.58	519.5	44.3	27.9	2.38	7.2	0.48	2.4	1.07	3.93	0									
249	Private	<i>Prunus cerasifera</i>	Cherry plum	7.7	5,4,3,3	Good	Good	15	21		-			x		1173.91	240.1	20.47	0.5	0.04	9.3	0.62	3.1	1.37	2.03										
250	ROW	<i>Thuja occidentalis</i>	Arborvitae	11.2	6,8,5	Good	Good	4	11.8		-			x		1243.54	483.1	41.2	16.3	1.39	5.7	0.38	1.9	0.84	2.61	0									
251	ROW	<i>Thuja occidentalis</i>	Arborvitae	11.4	9,7	Good	Good	4	11.8		-			x		1289.71	500.2	42.65	16.5	1.41	6	0.4	2	0.89	2.7	0									
252	ROW	<i>Ilex aquifolium</i>	English holly	7.0		Good	Good	6	18.8		-			x		1016.3	152.6	13.01	9.3	0.8	4	0.27	1.4	0.59	1.66	0									



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
253	Private	<i>Pinus sylvestris</i>	Scots pine	18.4	12,14	Good	Fair	16	24		-	estimated dsh		x		2371.07	938	79.99	35.2	3	31.6	2.11	10.6	4.65	9.75		Remove		Remove	Remove	Remove	Remove	
254	Private	<i>Tsuga heterophylla</i>	Western hemlock	18.0		Good	Good	16	24		-			x		3755.93	703	59.95	16.8	1.44	49.2	3.29	16.5	7.24	11.97		Remove		Remove	Remove	Remove	Remove	
255	Private	<i>Acer macrophyllum</i>	Bigleaf maple	34.3	18,12,15,22	Good	Fair	28	30		Exceptional S			x		15118.25	5425.8	462.69	2.6	0.22	131.3	8.78	44.1	19.32	28.32		Remove		Remove	Remove	Remove	Remove	
256	Private	<i>Acer palmatum</i>	Japanese maple	9.0	9	Good	Good	12	12		-			x		1364.34	260.1	22.18	5.8	0.5	11.8	0.79	3.9	1.73	3.01		Remove		Remove	Remove	Remove	Remove	
257	Private	<i>Quercus alba</i>	White oak	28.0	28	Good	Good	35	15.5		Exceptional S			x		13633.39	4827.3	411.65	46.8	3.99	113.8	7.61	38.2	16.75	28.35		Remove		Remove	Remove	Remove	Remove	
258	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	30.0		Good	Good	23	30		Exceptional S	DSH estimated, measure to confirm exceptional status		x		10545.17	2009	171.32	42.8	3.65	60	4.01	20.2	8.83	16.5		Remove		Remove	Remove	Remove	Remove	
259	Private	<i>Malus domestica</i>	Apple	12.0	8,9	Fair	Poor	15	20		-			x		1665.48	642.9	54.82	25.4	2.17	5	0.34	1.7	0.74	3.24		Remove		Remove	Remove	Remove	Remove	
260	Private	<i>Malus domestica</i>	Apple	7.2	6,4	Fair	Fair	12	20		-			x		887.01	184.1	15.7	15.2	1.3	3.8	0.25	1.3	0.56	2.11		Remove		Remove	Remove	Remove	Remove	
261	Private	<i>Prunus serrulata</i>	Flowering cherry	26.0		Good	Fair	25	23		Exceptional S			x		9465.35	5539	472.34	2.9	0.25	29.1	1.95	9.8	4.28	6.48		Remove		Remove	Remove	Remove	Remove	
262	Private	<i>Quercus alba</i>	White oak	21.5		Good	Good	30	15.5		Exceptional S					8140.91	2498.3	213.04	40.4	3.45	90.1	6.02	30.3	13.26	22.73								
263	ROW	<i>Parrotia persica</i>	Persian ironwood	6.0		Good	Good	7	14.3		-					817.19	122.7	10.47	0.2	0.02	6.3	0.42	2.1	0.92	1.36	0							
264	ROW	<i>Prunus serrulata</i>	Flowering cherry	6.7		Good	Good	9	23		-					953.35	203.9	17.38	0.5	0.04	4.6	0.31	1.5	0.68	1.03	0							
265	ROW	<i>Prunus serrulata</i>	Flowering cherry	7.2		Good	Good	11	23		-					1059.8	242.9	20.71	0.5	0.04	5.3	0.36	1.8	0.78	1.18	0							
266	ROW	<i>Prunus serrulata</i>	Flowering cherry	6.2		Good	Good	13	23		-			x		854.56	168.8	14.39	0.4	0.04	3.9	0.26	1.3	0.58	0.88	0							
267	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	25.7		Fair	Fair	15	26.9		-					5692.73	5945.8	507.03	70.3	5.99	27.3	1.83	9.2	4.02	11.84								
268	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	29.2		Fair	Fair	15	26.9		Exceptional S					7358.64	7730.5	659.22	69.2	5.9	30.9	2.06	10.4	4.54	12.51								
269	Private	<i>Prunus serrulata</i>	Flowering cherry	9.2		Good	Good	9	23		-			x		1562.18	441.2	37.63	0.7	0.06	9	0.6	3	1.32	1.98								
270	Private	<i>Ilex aquifolium</i>	English holly	14.2	9,11	Good	Good	18	18.8		-	on northwest property corner		x		3354.19	748.9	63.87	12.7	1.08	15	1	5	2.21	4.29		Remove		Remove	Remove	Remove	Remove	
271	Private	<i>Betula pendula</i>	European white birch	7.0		Good	Good	10	24		-			x		1053.96	162.3	13.84	22	1.88	9.9	0.66	3.3	1.45	3.99		Remove		Remove	Remove	Remove	Remove	
272	Private	<i>Betula pendula</i>	European white birch	6.0		Good	Good	12	24		-			x		842.61	111	9.47	17.7	1.51	7.6	0.51	2.6	1.13	3.14		Remove		Remove	Remove	Remove	Remove	
273	Private	<i>Betula pendula</i>	European white birch	7.0		Good	Good	15	24		-			x		1053.96	162.3	13.84	22	1.88	9.9	0.66	3.3	1.45	3.99		Remove		Remove	Remove	Remove	Remove	
274	Private	<i>Betula pendula</i>	European white birch	10.0		Good	Good	20	24		-			x		1883.1	391.3	33.37	36.8	3.14	17.7	1.18	5.9	2.6	6.92		Remove		Remove	Remove	Remove	Remove	
275	Private	<i>Betula pendula</i>	European white birch	12.0		Good	Good	20	24		-			x		2598.45	613.9	52.35	47.9	4.09	23.6	1.58	7.9	3.48	9.14		Remove		Remove	Remove	Remove	Remove	
276	ROW	<i>Prunus serrulata</i>	Flowering cherry	14.0		Good	Fair	16	23		-			x		2912.61	1226.6	104.6	1.2	0.1	15.1	1.01	5.1	2.23	3.34	0							
277	ROW	<i>Prunus serrulata</i>	Flowering cherry	17.0		Good	Fair	18	23		-			x		4182.21	1968.1	167.83	1.6	0.14	20.4	1.36	6.8	3	4.5	0							
278	ROW	<i>Pinus nigra</i>	Austrian black pine	27.1		Good	Good	25	24		-			x		8593.38	1945.2	165.88	47.3	4.04	40.5	2.7	13.6	5.95	12.69	0	Remove		Remove	Remove	Remove	Remove	
279	ROW	<i>Pinus nigra</i>	Austrian black pine	22.0		Good	Fair	18	24		-			x		5028.59	1211.6	103.32	32.2	2.74	28.7	1.92	9.6	4.22	8.88	0	Remove		Remove	Remove	Remove	Remove	
280	ROW	<i>Photinia x fraseri</i>	Fraser photinia	8.4	4,3,3,6	Good	Fair	10	12		-			x		1200.16	456.1	38.89	6.3	0.54	6.7	0.45	2.3	0.99	1.97	0							
281	ROW	<i>Prunus serrulata</i>	Flowering cherry	8.0		Fair	Fair	16	23		-			x	x	1042.89	314	26.77	0.5	0.04	4.4	0.29	1.5	0.64	0.98	0							
282	ROW	<i>Picea abies</i>	Norway spruce	16.0		Good	Good	16	30		-					2124.63	1041.3	88.8	26	2.22	50	3.34	16.8	7.35	12.91	0							
283	Private	<i>Arbutus menziesii</i>	Pacific madrone	19.8	14,14	Fair	Fair	16	6		Exceptional S					5248.08	2355.6	200.88	1.5	0.13	7	0.47	2.3	1.03	1.62		Remove		Remove	Remove	Remove	Remove	
284	Private	<i>Prunus serrulata</i>	Flowering cherry	16.0		Good	Fair	12	23		-			x		3731.71	1698	144.8	1.5	0.12	18.7	1.25	6.3	2.75	4.13		Remove		Remove	Remove	Remove	Remove	
285	Private	<i>Gleditsia triacanthos</i>	Honeylocust	17.0		Good	Good	15	20		-			x		3476.36	866	73.85	47	4.01	37.8	2.53	12.7	5.57	12.1								
286	Private	<i>Cedrus libani</i>	Cedar of Lebanon	27.6		Good	Good	18	30		-	blue cultivar		x		11259.8	6926.4	590.65	25.8	2.2	36.3	2.43	12.2	5.35	9.97								
287	Private	<i>Fagus pendula 'Purpurea Tricolor'</i>	Weeping beech	15.2		Good	Good	15	13.6		Exceptional S			x		5141.6	1278.7	109.05	1.2	0.11	88.9	5.94	29.9	13.08	19.13								
288	Private	<i>Thuja plicata</i>	Western redcedar	39.9		Good	Good	24	30		Exceptional S			x		17116.78	2751.7	234.65	31.1	2.65	48	3.21	16.1	7.06	12.92								

Table of Trees

Seattle Pacific University, Seattle, WA

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
289	Private	<i>Cedrus deodara</i>	Deodar cedar	24.7		Good	Good	20	30		-			x		8995.36	2423.2	206.64	69.6	5.94	31.5	2.1	10.6	4.63	12.67								
290	Private	<i>Malus domestica</i>	Apple	23.0	10.2,12.5,16.4	Good	Fair	16	20		Exceptional S			x		7458.58	3164.4	269.85	63.7	5.43	25	1.67	8.4	3.67	10.77								
291	Private	<i>Acer platanoides</i>	Norway maple	17.6		Good	Good	17	30		-			x		5904.54	1533.6	130.78	41.9	3.58	57.8	3.86	19.4	8.51	15.95								
292	Private	<i>Acer palmatum</i>	Japanese maple	22.8	16,12,11	Good	Fair	19	12		Exceptional S			x		6435.01	2199.9	187.59	0.9	0.07	45.2	3.02	15.2	6.66	9.75								
293	Private	<i>Fraxinus pennsylvanica</i>	Green ash	8.3	6,5,7	Good	Fair	11	30		-		x			984.62	183.2	15.62	13.5	1.15	12.5	0.84	4.2	1.84	3.83		Remove	Remove	Remove	Remove	Remove	Remove	
294	Private	<i>Rhus typhina</i>	Staghorn sumac	7.7	5,9,5	Good	Fair	12	11		-		x			1046.31	286	24.39	9.7	0.83	6.5	0.44	2.2	0.96	2.23		Remove	Remove	Remove	Remove	Remove	Remove	
295	Private	<i>Parrotia persica</i>	Persian ironwood	12.0	6,4,5,4,5,3,5,4,7,4,2,4	Good	Good	10	14.3		-		x			2471.36	668.2	56.98	0.6	0.05	31.2	2.08	10.5	4.58	6.72		Remove	Remove	Remove	Remove	Remove	Remove	
296	Private	<i>Magnolia x soulangeana</i>	Saucer magnolia	7.7	4,2,4,8,3,3	Good	Fair	13	16		-		x			977.38	221.5	18.89	8.2	0.7	9.8	0.66	3.3	1.45	2.8		Remove	Remove	Remove	Remove	Remove	Remove	
297	Private	<i>Magnolia x soulangeana</i>	Saucer magnolia	8.1	4,9,3,1,3,3,3,4,3,2	Good	Fair	18	16		-		x			1054.99	250.3	21.35	7.8	0.66	10.9	0.73	3.6	1.6	2.99		Remove	Remove	Remove	Remove	Remove	Remove	
298	Private	<i>Sorbus aucuparia</i>	European mountain ash	9.7	3,8,8,9	Good	Fair	7	29		-		x			1521.38	394.4	33.63	21.9	1.87	9	0.6	3	1.33	3.8		Remove	Remove	Remove	Remove	Remove	Remove	
299	Private	<i>Juniperus scopulorum</i>	Rocky Mountain juniper	10.9	9,5,3,8,3,9	Good	Fair	15	30		-		x			687.98	1003.9	85.61	25.5	2.18	15	1	5	2.21	5.39		Remove	Remove	Remove	Remove	Remove	Remove	
300	Private	<i>Tsuga heterophylla</i>	Western hemlock	13.1		Fair	Good	12	24		-					1746.72	311.1	26.53	9	0.77	19.3	1.29	6.5	2.84	4.9		Remove	Remove	Remove	Remove	Remove	Remove	
301	Private	<i>Acer palmatum</i>	Japanese maple	6.6	5,6,3,5	Good	Good	10	12		-					864.78	128.2	10.93	6.6	0.57	6	0.4	2	0.88	1.85		Remove	Remove	Remove	Remove	Remove	Remove	
302	Private	<i>Acer palmatum</i>	Japanese maple	7.8	5,1,3,2,3,9,3,1	Good	Fair	10	12		-					976.29	187.6	16	5.7	0.49	6.6	0.44	2.2	0.96	1.89		Remove	Remove	Remove	Remove	Remove	Remove	
303	Private	<i>Cornus mas</i>	Cornelian cherry dogwood	10.9	4,6,4,7,4,9,5,2	Good	Fair	9	9.6		Exceptional S					1858.85	748	63.78	0.6	0.05	10.3	0.69	3.5	1.51	2.25		Remove	Remove	Remove	Remove	Remove	Remove	
304	Private	<i>Acer palmatum</i>	Japanese maple	11.2	6,4,4,6,3,7,4,2,4,3,3,8	Good	Good	10	12		-					1957.3	429.2	36.6	3.3	0.28	19.5	1.3	6.6	2.87	4.45		Remove	Remove	Remove	Remove	Remove	Remove	
305	Private	<i>Umbellularia californica</i>	California laurel	13.3	6,6,9,5,3,5,2,6,2	Good	Fair	12	30		-					2651.73	1001.6	85.41	45.9	3.92	21.3	1.43	7.2	3.14	8.48		Remove	Remove	Remove	Remove	Remove	Remove	
306	Private	<i>Umbellularia californica</i>	California laurel	7.8	4,2,3,8,5,3	Good	Good	13	30		-		x			1197.65	279.3	23.82	24.6	2.1	9.5	0.63	3.2	1.39	4.12		Remove	Remove	Remove	Remove	Remove	Remove	
307	Private	<i>Betula papyrifera</i>	Paper birch	9.9	4,6,6,5,5,8	Good	Good	16	20		-		x			1923.11	397.6	33.9	39.3	3.35	18.8	1.25	6.3	2.76	7.37		Remove	Remove	Remove	Remove	Remove	Remove	
308	Private	<i>Betula papyrifera</i>	Paper birch	12.7		Good	Good	17	20	Grove	Exceptional G		x			3003.34	753.8	64.28	57.8	4.93	31.9	2.14	10.7	4.7	11.76		Remove	Remove	Remove	Remove	Remove	Remove	
309	Private	<i>Betula papyrifera</i>	Paper birch	8.8	5,5,6,9	Good	Good	12	20		-		x			1571.96	293.8	25.05	32.8	2.8	14.8	0.99	5	2.17	5.96		Remove	Remove	Remove	Remove	Remove	Remove	
310	Private	<i>Betula papyrifera</i>	Paper birch	8.9		Good	Good	16	20		-		x			1602.18	302.4	25.79	33.4	2.85	15	1	5	2.2	6.05		Remove	Remove	Remove	Remove	Remove	Remove	
311	Private	<i>Arbutus unedo</i>	Strawberry tree	12.1	7,4,6,9,3,7,5,6	Good	Good	15	10.2	Grove	Exceptional SG		x			2508.27	823.4	70.22	0.7	0.06	9	0.6	3	1.32	1.99		Remove	Remove	Remove	Remove	Remove	Remove	
312	Private	<i>Pyrus calleryana</i>	Callery pear	9.8		Good	Good	15	13		-					1736.79	385.2	32.84	27.9	2.38	13.2	0.88	4.4	1.94	5.21								
313	Private	<i>Betula papyrifera</i>	Paper birch	14.2		Good	Good	18	20	Grove	Exceptional G					3692.14	1004.1	85.62	67.8	5.78	38.7	2.59	13	5.7	14.07								
314	Private	<i>Betula papyrifera</i>	Paper birch	13.5		Good	Good	19	20	Grove	Exceptional G					3361.14	881.8	75.2	63.5	5.41	35.5	2.37	11.9	5.23	13.02								
315	Private	<i>Betula papyrifera</i>	Paper birch	13.5		Good	Good	17	20	Grove	Exceptional G					3361.14	881.8	75.2	63.5	5.41	35.5	2.37	11.9	5.23	13.02								
316	Private	<i>Betula papyrifera</i>	Paper birch	14.6		Good	Good	17	20	Grove	Exceptional G					3888.79	1078.3	91.96	69.1	5.89	40.4	2.7	13.6	5.95	14.55								
317	Private	<i>Betula papyrifera</i>	Paper birch	14.8	10,5,2,4,9,5,2,6,3	Good	Good	20	20	Grove	Exceptional G					3989.16	1116.7	95.23	70.1	5.98	41	2.74	13.8	6.04	14.76								
318	Private	<i>Betula papyrifera</i>	Paper birch	13.8	11,8,3	Good	Good	20	20	Grove	Exceptional G					3500.94	933	79.56	65.7	5.6	36.9	2.47	12.4	5.44	13.51								
319	Private	<i>Pyrus calleryana</i>	Callery pear	9.7		Good	Good	16	13		-					1706.92	375.6	32.03	27.5	2.35	13	0.87	4.4	1.91	5.12								
320	Private	<i>Betula papyrifera</i>	Paper birch	10.7		Good	Good	16	20		-			x		2204.43	485.4	41.39	44.3	3.78	22.5	1.5	7.6	3.31	8.59								
321	Private	<i>Betula papyrifera</i>	Paper birch	9.5		Good	Good	17	20		-			x		1790.64	357.6	30.49	36.9	3.15	17.4	1.16	5.8	2.56	6.87								
322	Private	<i>Arbutus unedo</i>	Strawberry tree	6.0	5,1,3,2	Good	Good	11	10.2		-					817.19	155.4	13.25	0.3	0.02	5.7	0.38	1.9	0.84	1.24								
323	Private	<i>Betula papyrifera</i>	Paper birch	8.4		Good	Good	16	20		-					1454.52	260.7	22.23	30.6	2.61	13.2	0.88	4.4	1.94	5.43								
324	Private	<i>Betula papyrifera</i>	Paper birch	9.5		Good	Fair	18	20		-					1596	357.6	30.49	32.8	2.8	13.2	0.88	4.4	1.94	5.61								
325	Private	<i>Gleditsia triacanthos</i>	Honeylocust	6.7		Good	Good	9	20		-					797.51	93.3	7.96	12.4	1.06	10.5	0.7	3.5	1.54	3.31								



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
326	Private	<i>Gleditsia triacanthos</i>	Honeylocust	8.0		Good	Good	13	20		-					1007.22	141.2	12.04	15.9	1.36	14.1	0.95	4.8	2.08	4.38								
327	Private	<i>Gleditsia triacanthos</i>	Honeylocust	7.2		Good	Good	12	20		-					873.78	110.3	9.41	13.7	1.17	11.9	0.8	4	1.75	3.72								
328	Private	<i>Gleditsia triacanthos</i>	Honeylocust	6.1		Good	Good	14	20		-					713.23	75.1	6.41	10.9	0.93	8.9	0.59	3	1.31	2.83								
329	Private	<i>Gleditsia triacanthos</i>	Honeylocust	6.5		Fair	Good	12	20		-					685	87	7.42	10.6	0.9	7.6	0.51	2.5	1.11	2.52								
330	Private	<i>Gleditsia triacanthos</i>	Honeylocust	6.5		Good	Good	15	20		-					768.53	87	7.42	11.9	1.02	10	0.67	3.3	1.47	3.15								
331	Private	<i>Gleditsia triacanthos</i>	Honeylocust	8.5		Good	Good	14	20		-					1097.75	162.9	13.89	17.3	1.47	15.6	1.04	5.2	2.3	4.82								
332	Private	<i>Gleditsia triacanthos</i>	Honeylocust	8.2		Good	Good	13	20		-					1042.77	149.7	12.76	16.4	1.4	14.7	0.98	4.9	2.17	4.55								
333	Private	<i>Gleditsia triacanthos</i>	Honeylocust	8.4		Good	Good	9	20		-					1079.21	158.4	13.51	17	1.45	15.3	1.02	5.1	2.24	4.71								
334	Private	<i>Acer palmatum</i>	Japanese maple	9.3	6.5,3.3,8.4,6	Good	Fair	13	12		-					1281.34	280.5	23.92	4.9	0.41	9.8	0.66	3.3	1.44	2.51		Remove	Remove	Remove	Remove	Remove	Remove	
335	Private	<i>Acer palmatum</i>	Japanese maple	10.0	4.3,7.4,4.4,7,5.4	Good	Fair	14	12		-					1442.01	331	28.23	4.3	0.37	11.5	0.77	3.8	1.69	2.82		Remove	Remove	Remove	Remove	Remove	Remove	
336	Private	<i>Prunus serrulata</i>	Flowering cherry	13.0		Good	Good	18	23		-					2854.27	1024.1	87.33	1.2	0.1	17.2	1.15	5.8	2.53	3.79		Remove	Remove	Remove	Remove	Remove	Remove	
337	Private	<i>Prunus serrulata</i>	Flowering cherry	17.7		Good	Fair	21	23		-					4513.8	2171.4	185.16	1.7	0.14	21.5	1.44	7.2	3.16	4.74								
338	Private	<i>Acer palmatum</i>	Japanese maple	12.2	5.7,5.2,4.4,4.9,6.7	Fair	Fair	11	12		Exceptional S					1899.5	522	44.51	1.4	0.12	15.6	1.04	5.2	2.3	3.46								
339	Private	<i>Acer palmatum</i>	Japanese maple	8.0	3.8,3.5,4.5,4.2	Fair	Fair	11	12		-					952.05	198.8	16.95	5.3	0.45	6	0.4	2	0.88	1.73								
340	Private	<i>Cercis canadensis</i>	Redbud	10.3		Good	Good	14	9.5		Exceptional S					1890.72	250.8	21.38	0.4	0.03	15.7	1.05	5.3	2.31	3.38		Remove	Remove	Remove	Remove	Remove	Remove	
341	Private	<i>Cercis canadensis</i>	Redbud	7.3		Good	Good	9	9.5		-					1082.01	111.1	9.47	0.2	0.02	7.9	0.53	2.7	1.16	1.71		Remove	Remove	Remove	Remove	Remove	Remove	
342	Private	<i>Prunus cerasifera</i> 'Thundercloud'	Cherry plum	20.3	9.4,15.7,8.7	Good	Fair	17	21		-			x		5862.58	3031.7	258.53	2	0.17	34.5	2.31	11.6	5.08	7.56		Remove	Remove	Remove	Remove	Remove	Remove	
343	Private	<i>Acer palmatum</i>	Japanese maple	9.6	5.7,5.5,3	Good	Fair	14	12		-			x		1348.77	301.3	25.7	4.8	0.41	10.3	0.69	3.5	1.52	2.61								
344	Private	<i>Fagus sylvatica</i>	European beech	16.6	9.7,11.4,7.1	Good	Fair	17	30		-			x		5864	1556.5	132.73	0.9	0.07	79.9	5.34	26.8	11.76	17.18								
345	Private	<i>Picea abies</i>	Norway spruce	14.7		Good	Good	16	30		-			x		1792.21	863.9	73.67	23.5	2	41.7	2.79	14	6.13	10.92								
346	Private	<i>Umbellularia californica</i>	California laurel	8.8	4.4,4.4,3.6,3.6	Good	Fair	10	30		-			x		1294.09	371.2	31.66	25.8	2.2	9.4	0.63	3.1	1.38	4.2								
347	Private	<i>Sorbus aucuparia</i>	European mountain ash	13.3	7.1,3.5,3.2,7.7,3.2,5.9	Fair	Fair	10	29		-			x		2490.04	854.2	72.84	10.3	0.88	14.5	0.97	4.9	2.13	3.97		Remove		Remove	Remove	Remove	Remove	
348	Private	<i>Gleditsia triacanthos</i>	Honeylocust	6.3		Good	Good	10	20		-			x		740.44	80.9	6.9	11.4	0.98	9.4	0.63	3.1	1.38	2.98		Remove		Remove	Remove	Remove	Remove	
349	Private	<i>Tsuga mertensiana</i>	Mountain hemlock	6.6		Good	Good	5	10.8		-			x		450.43	72	6.14	4.8	0.41	4.5	0.3	1.5	0.67	1.37								
350	Private	<i>Tsuga mertensiana</i>	Mountain hemlock	6.1		Good	Good	6	10.8		-			x	x	375.58	59.2	5.05	4.2	0.36	3.8	0.25	1.3	0.55	1.16								
351	Private	<i>Abies concolor</i>	White fir	15.6		Good	Good	12	25.6		-			x	x	2626.78	691.8	59	16.6	1.42	30	2	10.1	4.41	7.83								
352	Private	<i>Gleditsia triacanthos</i>	Honeylocust	7.5		Fair	Fair	8	20		-			x		771.82	121.4	10.35	12.1	1.03	8.4	0.56	2.8	1.23	2.82								
353	Private	<i>Juniperus virginiana</i>	Eastern redcedar	11.2	10,5	Good	Good	11	12.5		-			x	x	813.56	483.9	41.26	16.5	1.41	20.3	1.36	6.8	2.99	5.75								
354	Private	<i>Picea abies</i>	Norway spruce	12.0		Good	Good	12	30	Grove	Exceptional G			x	x	1191.74	550.2	46.92	18.4	1.57	25.9	1.73	8.7	3.8	7.1		Remove		Remove	Remove	Remove	Remove	Remove
355	Private	<i>Acer macrophyllum</i>	Bigleaf maple	32.0		Good	Good	19	30	Grove	Exceptional SG			x	x	14944.21	4643.4	395.97	2.7	0.23	149.8	10.01	50.3	22.03	32.27		Remove		Remove	Remove	Remove	Remove	Remove
356	Private	<i>Calocedrus decurrens</i>	Incense cedar	18.8	14.9,11.4	Good	Fair	14	30	Grove	Exceptional G			x	x	3227.45	1094.4	93.33	20.3	1.73	19.7	1.31	6.6	2.89	5.94		Remove		Remove	Remove	Remove	Remove	Remove
357	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	6.4		Good	Good	12	30		-			x	x	1066.14	61.7	5.26	4	0.34	7.2	0.48	2.4	1.05	1.88								
358	Private	<i>Alnus rubra</i>	Red alder	12.8		Good	Good	12		Grove	Exceptional G			x	x	2775.24	157.3	13.41	9.2	0.79	31.5	2.1	10.6	4.63	7.52								
359	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	6.7		Good	Good	13	30		-			x	x	1147.6	69	5.88	3.8	0.33	7.9	0.53	2.7	1.17	2.02								
360	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	12.1		Good	Good	12	30	Grove	Exceptional G			x	x	1476.47	508.4	43.35	23.2	1.98	9.6	0.64	3.2	1.41	4.03								
361	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	13.2		Good	Fair	10	30	Grove	Exceptional G					3412.67	363.5	31	0.4	0.03	29.7	1.98	10	4.36	6.38								
362	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	13.1		Good	Fair	17	30	Grove	Exceptional G					3364.08	356.7	30.42	0.4	0.03	29	1.94	9.8	4.27	6.25								



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
363	Private	<i>Umbellularia californica</i>	California laurel	8.5	5,3,5,4,5,3,8	Good	Fair	11	30		-		x	x		1223.24	341.5	29.12	24.6	2.1	8.7	0.58	2.9	1.28	3.96								
364	Private	<i>Alnus rubra</i>	Red alder	25.9	12.5,15,3,13,2,10,2	Fair	Fair	36		Grove	Exceptional G		x	x		8821.67	644.1	54.92	9.9	0.84	46.3	3.1	15.6	6.81	10.75								
365	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	9.0		Good	Good	6	30		-		x	x		840.65	685.5	58.46	55.5	4.73	4.9	0.33	1.6	0.72	5.78								
366	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	14.9		Good	Good	16	30	Grove	Exceptional G		x	x		2391.91	1952.5	166.5	81.4	6.94	15.2	1.02	5.1	2.24	10.2								
367	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	7.7		Good	Good	10	30		-		x	x		635.83	70.4	6	5.2	0.44	5.4	0.36	1.8	0.8	1.6								
368	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.5		Good	Good	15	30	Grove	Exceptional G		x	x		1668.48	1353.8	115.45	78.7	6.71	10.2	0.68	3.4	1.5	8.9								
369	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.3	7,1,10	Good	Fair	15	30	Grove	Exceptional G		x	x		1438.49	1289.5	109.96	68.8	5.87	7.4	0.49	2.5	1.09	7.45								
370	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.4		Good	Good	18	30	Grove	Exceptional G		x	x		1641.09	1331.5	113.55	78	6.65	10.1	0.67	3.4	1.48	8.81								
371	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.4		Good	Good	16	30	Grove	Exceptional G		x	x		1641.09	1331.5	113.55	78	6.65	10.1	0.67	3.4	1.48	8.81								
372	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.0		Good	Good	16	30	Grove	Exceptional G		x	x		1533.72	1243.7	106.05	75.3	6.42	9.3	0.62	3.1	1.37	8.42								
373	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	15.9	7,10,9,2,4,5	Good	Fair	20	30	Grove	Exceptional G		x	x		2433.92	2199.9	187.6	70.5	6.01	13	0.87	4.4	1.92	8.8								
374	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.6		Good	Good	16	30		-		x	x		1185.64	960.9	81.94	66	5.63	7	0.47	2.3	1.03	7.12								
375	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	15.6		Good	Good	17	30	Grove	Exceptional G		x	x		2626.78	2148.8	183.24	79.7	6.79	16.9	1.13	5.7	2.48	10.4								
376	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	20.8		Good	Good	18	30	Grove	Exceptional G		x	x		4709.07	3908	333.26	58.3	4.98	30.1	2.01	10.1	4.43	11.42								
377	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.4		Good	Good	12	30		-		x	x		1139.44	924.3	78.82	64.7	5.51	6.8	0.45	2.3	1	6.96								
378	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.4		Good	Good	15	30		-		x	x		1139.44	924.3	78.82	64.7	5.51	6.8	0.45	2.3	1	6.96								
379	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.0		Good	Good	18	30	Grove	Exceptional G		x	x		1533.72	1243.7	106.05	75.3	6.42	9.3	0.62	3.1	1.37	8.42								
380	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	7.4		Good	Good	12	30		-		x	x		551.98	458.6	39.11	45.1	3.85	3.2	0.22	1.1	0.48	4.54								
381	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.3		Good	Good	12	30		-		x	x		1116.67	905.6	77.22	64	5.46	6.6	0.44	2.2	0.97	6.87								
382	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	11.7		Good	Good	11	30		-		x	x		1455.5	1179.9	100.62	73.3	6.25	8.8	0.59	3	1.3	8.14								
383	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	13.5		Good	Good	14	30	Grove	Exceptional G		x	x		1954.51	1589.9	135.58	82.3	7.02	12.2	0.82	4.1	1.8	9.64								
384	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	15.7	7,14	Good	Fair	17	30	Grove	Exceptional G		x	x		2371.95	2141.8	182.64	71.4	6.09	12.6	0.84	4.2	1.86	8.79								
385	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	14.1	5,2,13,1	Good	Fair	15	30	Grove	Exceptional G		x	x		1904.44	1713.2	146.09	73.3	6.25	10.1	0.67	3.4	1.48	8.4								
386	Private	<i>Alnus rubra</i>	Red alder	9.9		Good	Good	14			-		x	x		1766.96	94.1	8.02	7.2	0.61	21.3	1.43	7.2	3.14	5.18								
387	Private	<i>Pinus nigra</i>	Austrian black pine	13.0		Good	Fair	10	24		-		x	x		1719.3	363.3	30.98	16	1.36	15.3	1.02	5.1	2.25	4.63								
388	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	14.9		Good	Good	11	30		-		x	x		2391.91	1952.5	166.5	81.4	6.94	15.2	1.02	5.1	2.24	10.2								
389	Private	<i>Pinus nigra</i>	Austrian black pine	11.3		Good	Fair	13	24		-		x	x		1285.31	262.4	22.38	13.2	1.13	12.1	0.81	4.1	1.78	3.71								
390	Private	<i>Umbellularia californica</i>	California laurel	9.7	6,3,9,5,1,4	Good	Fair	13	30		-		x	x		1521.38	469	40	29.6	2.52	11.3	0.75	3.8	1.66	4.93								
391	Private	<i>Alnus rubra</i>	Red alder	7.0		Good	Good	13			-		x	x		1016.3	47	4.01	5.1	0.44	12	0.8	4	1.76	3								
392	Private	<i>Alnus rubra</i>	Red alder	7.0		Good	Good	12			-		x	x		1016.3	47	4.01	5.1	0.44	12	0.8	4	1.76	3								
393	Private	<i>Pinus nigra</i>	Austrian black pine	8.6		Fair	Good	12	24		-		x	x		720.84	138.9	11.84	9.1	0.78	7.4	0.5	2.5	1.09	2.37								
394	Private	<i>Pinus nigra</i>	Austrian black pine	9.8		Good	Good	12	24		-		x	x		1069	191.7	16.35	12.2	1.04	12.5	0.83	4.2	1.84	3.72								
395	Private	<i>Pinus nigra</i>	Austrian black pine	12.8		Good	Good	12	24		-		x	x		1868.15	355.9	30.35	17.6	1.5	19.7	1.32	6.6	2.9	5.71								
396	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	9.3		Good	Good	13	30		-		x	x		901.05	733.4	62.54	57.4	4.9	5.3	0.35	1.8	0.78	6.02								
397	Private	<i>Pinus nigra</i>	Austrian black pine	11.5		Good	Fair	16	24		-		x	x		1333.22	273.4	23.32	13.5	1.15	12.5	0.84	4.2	1.84	3.83								
398	Private	<i>Pinus nigra</i>	Austrian black pine	13.2		Good	Fair	17	24		-		x	x		1774.35	376.5	32.11	16.3	1.39	15.7	1.05	5.3	2.3	4.74								
399	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	9.8		Good	Good	12	30		-		x	x		1006.11	817.5	69.72	60.7	5.18	6	0.4	2	0.88	6.45								
400	Private	<i>Populus trichocarpa</i>	Black cottonwood	8.7		Good	Good	12			-		x	x		883.42	547.5	46.69	45.4	3.88	9.7	0.65	3.3	1.43	5.95								



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
401	Private	<i>Pinus nigra</i>	Austrian black pine	9.3		Fair	Fair	9	24		-		x	x		800.5	165.4	14.1	9.5	0.81	7.4	0.49	2.5	1.08	2.39								
402	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	8.5		Good	Good	13	30		-		x	x		744.39	609.3	51.96	52.2	4.45	4.3	0.29	1.5	0.64	5.38								
403	Private	<i>Pinus nigra</i>	Austrian black pine	12.2		Good	Good	14	24		-		x	x		1691.35	318.4	27.15	16.5	1.4	18.1	1.21	6.1	2.67	5.28								
404	Private	<i>Pinus nigra</i>	Austrian black pine	11.2		Good	Good	11	24		-		x	x		1415.53	261.2	22.27	14.7	1.25	15.7	1.05	5.3	2.31	4.61								
405	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	11.9		Good	Good	12	30		-		x	x		1507.42	1222.2	104.23	74.7	6.37	9.1	0.61	3.1	1.34	8.32								
406	Private	<i>Pinus nigra</i>	Austrian black pine	19.2		Good	Good	13	24		-			x		4282.1	899.2	76.68	30.2	2.58	33.5	2.24	11.2	4.92	9.74								
407	Private	<i>Pinus nigra</i>	Austrian black pine	13.4		Good	Good	13	24		-		x	x		2053.44	395.3	33.71	18.7	1.59	21.1	1.41	7.1	3.1	6.1								
408	Private	<i>Pinus nigra</i>	Austrian black pine	17.6		Good	Good	15	24		-		x	x		3588.09	738.3	62.96	26.9	2.3	30.7	2.05	10.3	4.52	8.87								
409	Private	<i>Pinus nigra</i>	Austrian black pine	7.4		Good	Good	11	24		-		x	x		582.44	99.9	8.52	8.4	0.71	7.5	0.5	2.5	1.1	2.32								
410	Private	<i>Parrotia persica</i>	Persian ironwood	10.6	5,4,5,5,8,3,4,4,6	Good	Good	13	14.3		-			x		1986.75	492.3	41.99	0.5	0.04	23.3	1.56	7.8	3.43	5.02								
411	Private	<i>Parrotia persica</i>	Persian ironwood	10.9	4,5,5,5,4,5,3,8,4,2,4,1	Good	Good	16	14.3		-			x		2085.54	527.3	44.97	0.5	0.04	25.3	1.69	8.5	3.72	5.46								
412	Private	<i>Parrotia persica</i>	Persian ironwood	10.2	3,9,3,5,5,2,3,6,4,8,3,6	Good	Good	17	14.3		-			x		1859.32	447.9	38.2	0.5	0.04	21.4	1.43	7.2	3.15	4.63								
413	Private	<i>Pinus nigra</i>	Austrian black pine	15.9		Good	Good	15	24		-			x		2916.83	585.6	49.94	23.5	2	27.1	1.81	9.1	3.98	7.79								
414	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	21.6		Good	Good	18	30		-			x		5082.22	4225.5	360.33	53.3	4.54	32.2	2.15	10.8	4.73	11.43								
415	Private	<i>Pinus nigra</i>	Austrian black pine	9.6		Fair	Good	10	24		-			x		912.04	179.6	15.31	10.6	0.9	9.1	0.61	3.1	1.34	2.85								
416	Private	<i>Cedrus deodara</i>	Deodar cedar	6.7		Good	Good	7	30		-			x		556.91	162.8	13.89	17.9	1.53	2.1	0.14	0.7	0.31	1.97								
417	Private	<i>Pinus nigra</i>	Austrian black pine	9.9		Fair	Good	13	24		-			x		973.5	192.9	16.45	11	0.94	9.6	0.64	3.2	1.41	2.99								
418	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	21.5	5,8,4,4,9,2,18	Good	Fair	16	30		-			x		4487.55	4121.6	351.47	47.9	4.09	23.9	1.59	8	3.51	9.19								
419	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	13.9		Good	Good	12	30		-			x		2075.08	1689.1	144.04	82.1	7	13	0.87	4.4	1.91	9.78								
420	Private	<i>Pinus nigra</i>	Austrian black pine	9.4		Good	Good	9	24		-		x	x		978.48	174	14.84	11.6	0.99	11.6	0.77	3.9	1.7	3.46								
421	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	16.3		Good	Good	15	30		-		x	x		2872.44	2354.2	200.75	78	6.65	18.5	1.23	6.2	2.72	10.6								
422	Private	<i>Alnus rubra</i>	Red alder	10.0		Good	Good	11			-		x	x		1797.44	96	8.19	7.2	0.62	21.7	1.45	7.3	3.19	5.25								
423	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	7.0		Good	Good	9	30		-		x	x		514.55	54.2	4.62	4.3	0.37	4.4	0.29	1.5	0.65	1.31								
424	Private	<i>Robinia pseudoacacia</i>	Black locust	13.9	9,3,10,3	Fair	Fair	13	30		-		x	x		2593.73	591.6	50.45	13.3	1.13	19.3	1.29	6.5	2.84	5.26								
425	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	17.4		Good	Good	18	30		-		x	x		3280.25	2697.3	230.02	74.8	6.37	21.2	1.42	7.1	3.13	10.92								
426	Private	<i>Salix matsudana 'Tortuosa'</i>	Corkscrew willow	8.9		Fair	Fair	12	24		-		x	x		911.05	579.2	49.39	39.2	3.34	6.6	0.44	2.2	0.97	4.76								
427	Private	<i>Alnus rubra</i>	Red alder	7.9		Good	Good	15			-		x	x		1221.7	59.9	5.11	5.8	0.49	14.6	0.98	4.9	2.15	3.61								
428	Private	<i>Alnus rubra</i>	Red alder	7.7		Good	Good	15			-		x	x		1173.91	56.9	4.85	5.6	0.48	14.1	0.94	4.7	2.07	3.49								
429	Private	<i>Robinia pseudoacacia</i>	Black locust	10.0	4,9,8,7	Fair	Fair	15	30		-		x	x		1452.25	267.6	22.82	16.7	1.43	10.3	0.69	3.4	1.51	3.62								
430	Private	<i>Alnus rubra</i>	Red alder	14.0		Good	Fair	17		Grove	Exceptional G		x	x		2912.61	188.2	16.05	9	0.77	27.8	1.86	9.3	4.08	6.7								
431	Private	<i>Populus trichocarpa</i>	Black cottonwood	15.9		Good	Good	14		Grove	Exceptional G		x	x		2157.63	2445	208.5	110	9.38	43.8	2.93	14.7	6.45	18.75								
432	Private	<i>Robinia pseudoacacia</i>	Black locust	11.7	8,1,8,4	Good	Fair	16	30		-		x	x		2027.66	389.9	33.25	17	1.45	16.3	1.09	5.5	2.39	4.93								
433	Private	<i>Pinus sp.</i>	pine	20.0		Good	Good	18	30	Grove	Exceptional G	Pinus sp	x	x		3394.47	2647.9	225.8	32.3	2.75	43.3	2.89	14.5	6.37	12.02		Remove		Remove	Remove	Remove	Remove	Remove
434	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	7.0		Good	Good	7	30		-		x	x		488.62	409.2	34.89	42.6	3.63	2.9	0.19	1	0.42	4.24		Remove		Remove	Remove	Remove	Remove	Remove
435	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	8.6	6,4,5,7	Good	Fair	14	30		-		x	x		1277.55	273.7	23.34	19.4	1.66	17.6	1.18	5.9	2.59	5.43		Remove		Remove	Remove	Remove	Remove	Remove
436	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	12.5		Good	Good	11	30		-		x	x		3455.94	317.8	27.1	0.4	0.03	34.1	2.28	11.4	5.01	7.32		Remove		Remove	Remove	Remove	Remove	Remove
437	Private	<i>Quercus robur</i>	English oak	7.5		Good	Fair	10	30		-		x	x		1027.34	253.1	21.58	22.3	1.9	7.9	0.53	2.6	1.16	3.59		Remove		Remove	Remove	Remove	Remove	Remove



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (\$/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking		
438	Private	<i>Cedrus deodara</i>	Deodar cedar	26.0		Good	Good	18	30		-			x			9979.4	2694.1	229.74	69.4	5.92	33.8	2.26	11.4	4.97	13.15		Remove		Remove	Remove	Remove	Remove	Remove	
439	Private	<i>Robinia pseudoacacia</i>	Black locust	8.7		Good	Good	13	30		-			x			1379.46	192.2	16.39	19.9	1.7	11.9	0.8	4	1.76	4.25		Remove		Remove	Remove	Remove	Remove	Remove	
440	Private	<i>Photinia x fraseri</i>	Fraser photinia	11.7	8.5,8.1	Good	Fair	17	12		-			x			2105.67	1022	87.15	1.2	0.1	13.2	0.88	4.4	1.94	2.93		Remove		Remove	Remove	Remove	Remove	Remove	
441	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	6.4		Good	Good	8	30		-			x			419.78	42.2	3.6	3.7	0.31	3.6	0.24	1.2	0.53	1.08		Remove		Remove	Remove	Remove	Remove	Remove	
442	Private	<i>Pinus ponderosa</i>	Ponderosa pine	28.0		Good	Fair	17	30		-	estimated dsh		x			5939.08	2145.4	182.95	43.8	3.73	62.8	4.2	21.1	9.25	17.18		Remove		Remove	Remove	Remove	Remove	Remove	
443	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	22.0		Good	Good	17	30		-			x			5641.83	1065.6	90.87	29.4	2.51	46.4	3.1	15.6	6.82	12.43		Remove		Remove	Remove	Remove	Remove	Remove	
444	Private	<i>Thuja plicata</i>	Western redcedar	17.2	11.2,13.1	Good	Good	17	30		-			x			3424.02	269.5	22.98	6.1	0.52	19	1.27	6.4	2.8	4.59		Remove		Remove	Remove	Remove	Remove	Remove	
445	Private	<i>Cedrus deodara</i>	Deodar cedar	6.8		Good	Good	9	30		-			x			577.06	167.9	14.31	18.2	1.55	2.2	0.14	0.7	0.32	2.01		Remove		Remove	Remove	Remove	Remove	Remove	
446	Private	<i>Thuja plicata</i>	Western redcedar	18.7		Good	Good	15	30		-			x			4058.74	341.2	29.09	7.2	0.61	23.5	1.57	7.9	3.46	5.65		Remove		Remove	Remove	Remove	Remove	Remove	
447	Private	<i>Ilex aquifolium</i>	English holly	8.6	5,7	Fair	Fair	8	18.8		-			x	x		1170.57	238.4	20.33	10.1	0.86	3.7	0.25	1.2	0.55	1.66		Remove		Remove	Remove	Remove	Remove	Remove	
448	Private	<i>Alnus rubra</i>	Red alder	17.0		Good	Good	16			-			x	x		4692.23	277.5	23.66	12.2	1.04	44.4	2.97	14.9	6.53	10.53									
449	Private	<i>Pinus nigra</i>	Austrian black pine	11.0		Good	Good	10	24		-			x			1363.2	250.4	21.35	14.3	1.22	15.1	1.01	5.1	2.23	4.46									
450	Private	<i>Acer macrophyllum</i>	Bigleaf maple	8.3		Good	Good	11	30		-			x			1279.96	224.9	19.18	23.1	1.97	17.4	1.16	5.8	2.55	5.69									
451	Private	<i>Pinus nigra</i>	Austrian black pine	12.0		Fair	Good	14	24		-			x			1456.66	301.7	25.73	14.3	1.22	13.4	0.9	4.5	1.97	4.09									
452	Private	<i>Abies procera</i>	Noble fir	6.2		Fair	Good	4	20.3		-			x	x		292.67	102	8.69	10.8	0.92	2.9	0.19	1	0.43	1.54									
453	Private	<i>Quercus robur</i>	English oak	8.5	6,4,5,6	Good	Fair	11	30		-			x	x		1253.39	323.7	27.61	25.2	2.15	10.5	0.7	3.5	1.55	4.41									
454	Private	<i>Abies grandis</i>	Grand fir	27.0		Good	Fair	17	24		Exceptional S			x	x		5854.69	1937.5	165.22	35.5	3.03	52.4	3.5	17.6	7.71	14.24		Remove		Remove	Remove	Remove	Remove	Remove	Remove
455	Private	<i>Tsuga heterophylla</i>	Western hemlock	15.6	10,12	Good	Fair	15	24		-			x			2500.5	489.2	41.72	12	1.03	28.9	1.93	9.7	4.26	7.22		Remove		Remove	Remove	Remove	Remove	Remove	Remove
456	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	8.8	5,4,6	Good	Fair	13	26.9		-			x			679.19	647.2	55.19	25.5	2.18	3.5	0.24	1.2	0.52	2.93		Remove		Remove	Remove	Remove	Remove	Remove	Remove
457	Private	<i>Betula pendula</i>	European white birch	9.0		Good	Good	10	24		-			x			1574.21	301.7	25.73	31.6	2.69	15	1.01	5.1	2.21	5.91		Remove		Remove	Remove	Remove	Remove	Remove	Remove
458	Private	<i>Betula pendula</i>	European white birch	18.0		Fair	Fair	22	24		-	decay at base		x			4624.05	1674.5	142.79	72.3	6.17	27.6	1.84	9.3	4.05	12.06		Remove		Remove	Remove	Remove	Remove	Remove	Remove
459	Private	<i>Cedrus libani</i>	Cedar of Lebanon	26.0		Good	Good	24	30		-			x			9979.4	6123	522.14	36.7	3.13	33.8	2.26	11.4	4.97	10.36		Remove		Remove	Remove	Remove	Remove	Remove	Remove
460	Private	<i>Calocedrus decurrens</i>	Incense cedar	12.0		Good	Good	11	30		-			x			1451.5	437	37.27	14	1.19	10	0.67	3.3	1.47	3.32		Remove		Remove	Remove	Remove	Remove	Remove	Remove
461	Private	<i>Calocedrus decurrens</i>	Incense cedar	10.0		Good	Good	8	30		-			x			995.72	299.3	25.52	11.5	0.98	6.6	0.44	2.2	0.97	2.39		Remove		Remove	Remove	Remove	Remove	Remove	Remove
462	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	10.8	9,6	Good	Fair	9	30		-			x			1041.12	395.3	33.71	18.3	1.56	5.6	0.37	1.9	0.82	2.75		Remove		Remove	Remove	Remove	Remove	Remove	Remove
463	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	10.8	9,6	Good	Fair	9	30		-			x			1041.12	395.3	33.71	18.3	1.56	5.6	0.37	1.9	0.82	2.75		Remove		Remove	Remove	Remove	Remove	Remove	Remove
464	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	16.0		Good	Good	10	30		-			x			2611.69	909.1	77.52	31.4	2.68	17.6	1.18	5.9	2.59	6.45		Remove		Remove	Remove	Remove	Remove	Remove	Remove
465	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	23.8	14,15,12	Good	Good	12	30		-			x	x		5827.46	2072.5	176.74	48.7	4.15	37.5	2.51	12.6	5.52	12.18		Remove		Remove	Remove	Remove	Remove	Remove	Remove
466	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	15.0		Good	Good	11	30		-			x	x		2290.56	794.9	67.79	29.3	2.5	15.4	1.03	5.2	2.26	5.79		Remove		Remove	Remove	Remove	Remove	Remove	Remove
467	Private	<i>Acer palmatum</i>	Japanese maple	27.8	10,12,9,4,1,2,17	Good	Fair	30	12		Exceptional S			x			9443.85	3472	296.08	1.1	0.1	47.8	3.2	16.1	7.03	10.33		Remove		Remove	Remove	Remove	Remove	Remove	Remove
468	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	11.0		Good	Good	9	30		-			x			1213.25	416.8	35.54	21	1.79	7.6	0.51	2.6	1.12	3.42		Remove		Remove	Remove	Remove	Remove	Remove	Remove
469	Private	<i>Quercus robur</i>	English oak	12.9		Good	Good	14	30	Grove	Exceptional G			x	x		2898.8	739.2	63.04	34.5	2.94	32.8	2.19	11	4.82	9.96		Remove		Remove	Remove	Remove	Remove	Remove	Remove
470	Private	<i>Prunus serrulata</i>	Flowering cherry	7.2	4,6	Fair	Fair	13	23		-			x	x		887.01	242.9	20.71	0.4	0.04	3.5	0.23	1.2	0.51	0.78		Remove		Remove	Remove	Remove	Remove	Remove	Remove
471	Private	<i>Liquidambar styraciflua</i>	American sweetgum	10.0		Good	Good	10	27		-			x			2245.57	196.3	16.74	18.3	1.56	20.7	1.39	7	3.05	6								Remove	
472	Private	<i>Liquidambar styraciflua</i>	American sweetgum	12.0		Good	Good	11	27		-			x			3136.17	307.4	26.21	23.9	2.04	31.2	2.09	10.5	4.59	8.72								Remove	
473	Private	<i>Liquidambar styraciflua</i>	American sweetgum	13.3		Good	Good	14	27		-			x			3801.89	396.2	33.78	27.8	2.37	38.4	2.57	12.9	5.65	10.59								Remove	
474	Private	<i>Liquidambar styraciflua</i>	American sweetgum	11.7		Good	Good	14	27		-			x			2992.26	288.8	24.63	23.1	1.97	29.6	1.98	9.9	4.35	8.3								Remove	
475	Private	<i>Liquidambar styraciflua</i>	American sweetgum	17.1		Good	Good	17	27		-			x			6140.12	737.2	62.87	40.1	3.42	57.3	3.83	19.2	8.43	15.68								Remove	
476	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	7.0		Good	Fair	8	30		-			x			1098.8	76.7	6.54	3.2	0.27	6.6	0.44	2.2	0.97	1.69								Remove	



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477	Private	<i>Salix sp. (native)</i>	Native Willow	22.9	21.6,7.6	Good	Fair	12	8		Exceptional S					4840.93	6047.9	515.74	3.7	0.31	44.3	2.96	14.9	6.52	9.8								Remove
478	Private	<i>Liquidambar styraciflua</i>	American sweetgum	13.9		Good	Good	14	27		-			x		4132.22	441.8	37.67	29.7	2.53	41.7	2.79	14	6.13	11.45								Remove
479	Private	<i>Liquidambar styraciflua</i>	American sweetgum	13.7		Good	Good	16	27		-			x		4020.49	426.2	36.35	29	2.48	40.7	2.72	13.7	5.99	11.18								Remove
480	ROW	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	28.7		Fair	Fair	12	30		-			x		7107.65	2985.6	254.6	50.2	4.28	30.7	2.05	10.3	4.52	10.85	16408							
481	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	6.5		Good	Good	4	30		-		x	x		397.5	141.3	12.05	12	1.02	2.5	0.16	0.8	0.36	1.55								Remove
482	ROW	<i>Quercus rubra</i>	Red oak	11.2		Good	Good	13	30		-		x	x		2817.29	490.4	41.82	30.8	2.63	32.3	2.16	10.9	4.75	9.54	0							
483	ROW	<i>Fraxinus oxycarpa</i>	Raywood ash	16.8		Good	Fair	18	24		-			x		3076.92	2102.1	179.26	87.7	7.48	44.1	2.95	14.8	6.49	16.92	0							
484	ROW	<i>Fraxinus oxycarpa</i>	Raywood ash	13.2		Good	Fair	16	24		-			x		2002.95	1211.2	103.29	67.5	5.76	31.8	2.13	10.7	4.68	12.57	0							
485	ROW	<i>Fraxinus oxycarpa</i>	Raywood ash	16.0		Good	Fair	18	24		-			x		2815.99	1880.4	160.35	86.6	7.38	41.8	2.8	14.1	6.16	16.34	0							
486	ROW	<i>Fraxinus oxycarpa</i>	Raywood ash	11.1		Fair	Fair	15	24		-			x		1404.31	815.3	69.53	50.7	4.32	20.3	1.35	6.8	2.98	8.66	0							
487	Private	<i>Liquidambar styraciflua</i>	American sweetgum	12.1		Good	Good	12	27		-			x		3184.95	313.7	26.75	24.2	2.07	31.7	2.12	10.7	4.67	8.85								
488	Private	<i>Liquidambar styraciflua</i>	American sweetgum	11.8		Good	Good	12	27		-			x		3039.82	294.9	25.15	23.3	1.99	30.1	2.01	10.1	4.43	8.43			Remove	Remove				
489	Private	<i>Liquidambar styraciflua</i>	American sweetgum	12.4		Good	Good	14	27		-			x		3333.72	333.3	28.42	25.1	2.14	33.4	2.23	11.2	4.91	9.28			Remove					Remove
490	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	24.5	10.5,7.4,10.8,8.2,8.7,10.6,5	Fair	Fair	21	30		-			x		7578.47	2550.5	217.49	0.8	0.07	69.4	4.64	23.3	10.2	14.91	0							
491	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	11.5	6.5, 4, 8.6	Good	Fair	12	30		-		x	x		1967.14	467.4	39.86	28.1	2.4	25.5	1.71	8.6	3.76	7.86	0							
492	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	31.2	6.8, 17, 13, 15, 12, 10	Fair	Fair	23	30		-		x	x		11907.3	4387	374.1	2.2	0.19	100.7	6.73	33.8	14.82	21.74	0							
493	ROW	<i>Quercus garryana</i>	Garry oak	7.6		Good	Fair	21	6		-		x	x		1154.66	291.7	24.87	13.5	1.15	9.4	0.63	3.1	1.38	3.15	0							
494	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	8.0		Good	Fair	20	30		-		x	x		1077.06	207.1	17.66	19.7	1.68	12.1	0.81	4.1	1.78	4.27	0							
495	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	17.3	10.2, 14	Fair	Fair	17	30		-		x	x		3892.82	1168.3	99.63	22.2	1.89	41.8	2.79	14	6.15	10.84	0							
496	ROW	<i>Quercus garryana</i>	Garry oak	10.7		Good	Fair	22	6		-		x	x		2079.46	572.8	48.84	18.9	1.61	20.4	1.36	6.8	2.99	5.97	0							
497	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	7.0		Poor	Fair	8	30		-		x	x		666.45	153.5	13.09	12.6	1.07	4.7	0.31	1.6	0.69	2.07	0							
498	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	10.7		Good	Fair	15	30		-		x	x		1735.53	397.6	33.9	27.7	2.37	22.2	1.48	7.5	3.27	7.12	0							
499	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	10.1		Good	Good	12	30		-		x	x		1764.57	349.3	29.79	29.4	2.51	25.7	1.72	8.6	3.78	8.01	0							
500	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	8.6		Fair	Fair	10	30		-		x	x		1133.36	243.5	20.77	20.1	1.72	12.2	0.82	4.1	1.8	4.33	0							
501	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	9.7		Good	Good	21	30		-		x	x		1648.68	319	27.2	28	2.39	23.9	1.6	8	3.52	7.5	0							
502	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	23.6	12.3, 13.7, 10.1, 10.8	Fair	Fair	26	30		-		x	x		7048.33	2345	199.97	4.4	0.37	65.6	4.38	22	9.65	14.41	0							
503	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	13.9	7, 8, 9	Fair	Poor	18	30		-		x	x		2088.46	715.1	60.98	21	1.79	19.6	1.31	6.6	2.88	5.98	0							
504	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	21.2	11, 14.3, 11.2	Good	Fair	28	30		-		x	x		6103.79	1843.5	157.21	13.6	1.16	62.7	4.19	21.1	9.22	14.58	0							
505	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	13.1		Fair	Fair	26	30		-		x	x		2329.21	626	53.39	26.5	2.26	28	1.87	9.4	4.12	8.26	0							
506	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	16.9	8, 10, 11	Fair	Fair	23	30		-		x	x		3725.29	1108.6	94.54	23.1	1.97	40.6	2.72	13.6	5.98	10.66	0							
507	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	13.4	6.4, 6.7, 9.7	Fair	Fair	15	30		-		x	x		2426.57	658.7	56.17	26.4	2.25	29.2	1.95	9.8	4.3	8.5	0							
508	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	9.3	6.4, 6.7	Fair	Fair	12	30		-		x	x		1286.8	290.3	24.75	22.2	1.89	14.4	0.96	4.8	2.12	4.97	0							
509	ROW	<i>Ilex aquifolium</i>	English holly	7.1		Good	Good	9	18.8		-		x	x		1037.9	157.5	13.43	9.5	0.81	4.2	0.28	1.4	0.61	1.7	0							
510	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	17.1	8, 9, 10, 7	Fair	Poor	19	30		-		x	x		3066.64	1138.3	97.07	18.2	1.55	27.9	1.87	9.4	4.11	7.53	0							
511	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	24.6	9.9, 11.5, 14.3, 13	Fair	Fair	20	30		-		x	x		7638.6	2573.9	219.49	0.3	0.02	70	4.68	23.5	10.3	15.01	0							
512	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	19.1	9, 10, 11, 6, 5	Fair	Fair	25	30		-		x	x		4695.2	1458.9	124.41	18.8	1.6	46.7	3.12	15.7	6.87	11.59	0							
513	ROW	<i>Prunus avium</i>	Wild cherry	11.9	9.1, 7.6	Fair	Fair	18	29.4		-		x	x		2037.78	693	59.1	23.9	2.04	11.9	0.8	4	1.76	4.59	0							



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
514	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	24.4	16.5, 18	Good	Fair	22	30		-		x	x		8006.81	2527.2	215.5	1.1	0.1	78.2	5.23	26.3	11.51	16.84	0							
515	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	23.8	6, 19, 13	Fair	Fair	20	30		-		x	x		7164.43	2389.9	203.8	3.6	0.31	66.4	4.44	22.3	9.76	14.51	0							
516	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	21.0	10, 11, 5, 14	Fair	Fair	20	30		-		x	x		5628.25	1804.8	153.9	13.3	1.14	54.7	3.66	18.4	8.05	12.85	0							
517	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	9.8	6, 6, 5	Fair	Fair	16	30		-		x	x		1403.76	326.5	27.84	23.6	2.01	16.2	1.08	5.4	2.39	5.48	0							
518	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	7.8	6, 5	Good	Fair	10	30		-		x	x		1035.85	195.6	16.68	19.1	1.63	11.6	0.78	3.9	1.71	4.12	0							
519	ROW	<i>Prunus avium</i>	Wild cherry	7.5	4, 4, 5	Fair	Fair	15	29.4		-		x	x		943.54	225.2	19.2	17.8	1.52	5.4	0.36	1.8	0.8	2.68	0							
520	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	12.0		Poor	Fair	14	30		-		x	x		1603.22	514.2	43.85	21.3	1.82	14.6	0.97	4.9	2.14	4.94	0							
521	ROW	<i>Alnus rubra</i>	Red alder	15.0		Good	Fair	15			-		x	x		3308.51	216	18.42	9.6	0.82	30.5	2.04	10.2	4.49	7.34	0	Remove		Remove	Remove	Remove	Remove	
522	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	9.0		Good	Fair	14	30		-		x	x		1298.77	269.7	23	22.7	1.94	15.6	1.04	5.2	2.3	5.27	0							
523	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	16.3	6, 7, 10, 9	Good	Fair	22	30		-		x	x		3707.41	1022.2	87.17	25.5	2.17	43.3	2.9	14.6	6.38	11.45	0							
524	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	15.6	10, 12	Good	Fair	19	30		-		x	x		3416.19	926.4	79	26.3	2.24	41.2	2.75	13.8	6.06	11.05	0							
525	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	10.0		Good	Fair	20	30		-		x	x		1645.45	394.6	33.65	24.1	2.06	23.3	1.56	7.8	3.42	7.04	0							
526	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	15.6	10, 12	Fair	Fair	18	30		-		x	x		3207.89	926.4	79	24.7	2.1	36.9	2.47	12.4	5.43	10	0							
527	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	21.0	10, 12, 14	Poor	Fair	15	30		-		x	x		4531.84	1804.8	153.9	10.9	0.93	36.4	2.43	12.2	5.35	8.71	0							
528	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	11.6	5, 5, 6, 7	Good	Fair	20	30		-		x	x		1997.27	476.6	40.64	28.2	2.4	25.8	1.73	8.7	3.8	7.93	0							
529	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	15.7	7, 6, 8, 7, 7	Fair	Fair	18	30		-		x	x		3246.22	939.8	80.14	24.7	2.11	37.1	2.48	12.4	5.45	10.04	0							
530	ROW	<i>Ilex aquifolium</i>	English holly	6.0		Good	Good	8	18.8		-		x	x		817.19	108.4	9.24	7.7	0.66	3.1	0.21	1.1	0.46	1.33	0							
531	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	12.8	8, 10	Fair	Fair	20	30		-		x	x		2234.06	594.3	50.68	26.5	2.26	27.1	1.81	9.1	3.98	8.05	0							
532	Private	<i>Betula papyrifera</i>	Paper birch	8.5	6.5, 5.5	Good	Fair	13	20		-			x		1322.13	268.7	22.92	27.6	2.36	10.2	0.68	3.4	1.5	4.54								
533	Private	<i>Populus x canadensis</i>	Hybrid black poplar	21.5		Good	Good	19	30		-		x	x		3664.35	1809.9	154.34	78.4	6.69	74.2	4.96	24.9	10.92	22.56								
534	Private	<i>Populus x canadensis</i>	Hybrid black poplar	7.9		Good	Good	8	30		-		x	x		787.88	150.9	12.86	18.1	1.55	7.4	0.5	2.5	1.1	3.14								
535	Private	<i>Betula papyrifera</i>	Paper birch	11.5		Fair	Fair	15	20		-		x	x		2098.76	584.1	49.81	41.3	3.52	17.3	1.16	5.8	2.54	7.22		Remove		Remove	Remove	Remove	Remove	
536	Private	<i>Pinus sylvestris</i>	Scots pine	15.5		Good	Good	17	24		-		x	x		1887.72	656	55.94	32.8	2.79	29.4	1.97	9.9	4.33	9.09		Remove		Remove	Remove	Remove	Remove	
537	Private	<i>Betula papyrifera</i>	Paper birch	8.6		Fair	Fair	15	20		-		x	x		1265.95	276.9	23.62	26.4	2.25	9	0.6	3	1.33	4.18		Remove		Remove	Remove	Remove	Remove	
538	Private	<i>Betula papyrifera</i>	Paper birch	9.3		Fair	Fair	11	20		-		x	x		1444.97	338.6	28.87	29.8	2.54	10.7	0.72	3.6	1.58	4.84		Remove		Remove	Remove	Remove	Remove	
539	Private	<i>Betula papyrifera</i>	Paper birch	9.1		Fair	Fair	12	20		-		x	x		1392.39	320.2	27.31	28.8	2.45	10.2	0.68	3.4	1.49	4.63		Remove		Remove	Remove	Remove	Remove	
540	Private	<i>Pinus sylvestris</i>	Scots pine	14.1		Good	Good	20	24		-		x	x		1562.08	533.9	45.53	29.5	2.51	24.1	1.61	8.1	3.55	7.68		Remove		Remove	Remove	Remove	Remove	
541	Private	<i>Pinus sylvestris</i>	Scots pine	13.7		Good	Fair	18	24		-		x	x		1314.41	495.1	42.22	25.4	2.17	17.1	1.14	5.7	2.52	5.83		Remove		Remove	Remove	Remove	Remove	
542	Private	<i>Pinus sylvestris</i>	Scots pine	12.4		Good	Good	18	24		-		x	x		1208.09	403	34.37	25.5	2.18	18.2	1.22	6.1	2.68	6.07		Remove		Remove	Remove	Remove	Remove	
543	Private	<i>Arbutus unedo</i>	Strawberry tree	12.6	5.5, 5.9, 5, 5.2, 6.4	Good	Good	11	10.2		Exceptional S		x	x		2697.43	907.3	77.37	0.8	0.06	9.1	0.61	3.1	1.34	2.02		Remove		Remove	Remove	Remove	Remove	
544	Private	<i>Pinus sylvestris</i>	Scots pine	9.4		Good	Good	10	24		-		x	x		694.18	218.5	18.63	18.6	1.58	9.7	0.65	3.3	1.43	3.67		Remove		Remove	Remove	Remove	Remove	
545	Private	<i>Acer rubrum</i>	Red maple	18.3		Good	Fair	22	25		-		x	x		3901.53	1738	148.21	33.3	2.84	54.4	3.64	18.3	8	14.48		Remove		Remove	Remove	Remove	Remove	
546	Private	<i>Acer rubrum</i>	Red maple	15.0		Good	Fair	16	25		-		x	x		2707.25	1075.5	91.72	39.6	3.38	41.2	2.76	13.8	6.07	12.2		Remove		Remove	Remove	Remove	Remove	
547	Private	<i>Betula papyrifera</i>	Paper birch	11.7		Fair	Fair	14	20		-		x	x		2165.05	610.6	52.07	42.4	3.62	18.1	1.21	6.1	2.66	7.48		Remove		Remove	Remove	Remove	Remove	
548	Private	<i>Pinus sylvestris</i>	Scots pine	17.4	11.4, 13.2	Good	Fair	17	24		-		x	x		2120.34	832.1	70.96	33.1	2.82	28.5	1.9	9.6	4.19	8.92		Remove		Remove	Remove	Remove	Remove	
549	Private	<i>Pinus sylvestris</i>	Scots pine	10.2		Good	Good	13	24		-		x	x		817.39	261.8	22.33	20.4	1.74	11.7	0.78	3.9	1.72	4.24		Remove		Remove	Remove	Remove	Remove	
550	Private	<i>Pinus ponderosa</i>	Ponderosa pine	7.1		Good	Good	7	30		-			x		418.5	86.2	7.35	7.6	0.64	6	0.4	2	0.89	1.94		Remove		Remove	Remove	Remove	Remove	
551	Private	<i>Betula papyrifera</i>	Paper birch	10.7		Fair	Poor	13	20		-			x		1485.59	485.4	41.39	29.6	2.53	8.7	0.58	2.9	1.28	4.39		Remove		Remove	Remove	Remove	Remove	Remove
552	Private	<i>Betula papyrifera</i>	Paper birch	12.1		Poor	Poor	5	20		-			x		1703.39	665.7	56.76	32.9	2.81	9.5	0.64	3.2	1.4	4.85		Remove		Remove	Remove	Remove	Remove	Remove
553	Private	<i>Thuja occidentalis</i>	Arborvitae	12.2	7.5, 4.5, 5.9, 3.8, 4.8	Good	Good	7	11.8		Exceptional S			x		1482.58	571	48.69	17.6	1.5	7.1	0.48	2.4	1.05	3.02		Remove		Remove	Remove	Remove	Remove	
554	Private	<i>Thuja occidentalis</i>	Arborvitae	8.6	5.3, 3.8, 4.3, 3.7	Good	Fair	6	11.8		-			x		639.65	287.3	24.5	11.3	0.96	2.5	0.16	0.8	0.36	1.49		Remove		Remove	Remove	Remove	Remove	
555	Private	<i>Betula papyrifera</i>	Paper birch	15.1	13.4, 7	Good	Fair	15	20		-			x		3692.04	1175.8	100.26	62.8	5.36	34.6	2.31	11.6	5.09	12.77		Remove		Remove	Remove	Remove	Remove	



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556	Private	<i>Betula papyrifera</i>	Paper birch	7.3		Fair	Fair	9	20		-			x		970.63	181.8	15.5	20.5	1.75	6.3	0.42	2.1	0.92	3.09		Remove		Remove	Remove	Remove	Remove	Remove	
557	Private	<i>Betula papyrifera</i>	Paper birch	7.5		Fair	Fair	8	20		-			x		1012.92	194.9	16.62	21.4	1.82	6.7	0.45	2.2	0.98	3.25		Remove		Remove	Remove	Remove	Remove	Remove	
558	Private	<i>Betula papyrifera</i>	Paper birch	13.6	6.4, 5, 10, 4.5	Fair	Poor	14	20		-			x		2296.29	898.7	76.64	43	3.67	15.6	1.04	5.2	2.29	6.99		Remove		Remove	Remove	Remove	Remove	Remove	
559	Private	<i>Betula papyrifera</i>	Paper birch	9.6		Fair	Fair	12	20		-			x		1525.98	367.4	31.33	31.2	2.66	11.5	0.77	3.9	1.69	5.12		Remove		Remove	Remove	Remove	Remove	Remove	
560	Private	<i>Betula papyrifera</i>	Paper birch	8.1		Fair	Fair	12	20		-			x		1146.65	237.4	20.25	24	2.05	7.8	0.52	2.6	1.15	3.73		Remove		Remove	Remove	Remove	Remove	Remove	
561	Private	<i>Betula papyrifera</i>	Paper birch	7.7		Fair	Fair	8	20		-			x		1056.35	208.5	17.78	22.2	1.9	7	0.47	2.4	1.04	3.41		Remove		Remove	Remove	Remove	Remove	Remove	
562	Private	<i>Betula papyrifera</i>	Paper birch	13.9		Good	Good	17	20		-			x		3548.23	950.5	81.05	66.4	5.66	37.5	2.51	12.6	5.52	13.69		Remove		Remove	Remove	Remove	Remove		
563	Private	<i>Pinus thunbergii</i>	Japanese black pine	12.9		Fair	Fair	21	15.8		-			x		1176.74	922.8	78.69	0.8	0.07	11.2	0.75	3.8	1.65	2.47									
564	Private	<i>Liquidambar styraciflua</i>	American sweetgum	16.2		Good	Good	17	27		-					5533.5	645	55	37.1	3.16	53.1	3.55	17.8	7.82	14.53									
565	Private	<i>Prunus serrulata</i>	Flowering cherry	9.1	7.9, 4.6	Good	Fair	13	23		-					1367.4	429.6	36.64	0.6	0.06	6.6	0.44	2.2	0.97	1.47									
566	Private	<i>Sorbus aria</i>	White Beam	10.6	5, 7.3, 4.2, 4	Good	Fair	10	12.5		-					1770.8	497.8	42.45	0.6	0.06	10.9	0.73	3.7	1.6	2.38									
567	Private	<i>Cedrus libani</i>	Cedar of Lebanon	11.1		Good	Good	15	30		-			x		1726.23	1045.1	89.12	53	4.52	6.2	0.42	2.1	0.91	5.85									
568	Private	<i>Thuja plicata</i>	Western redcedar	61.0		Good	Fair	24	30		Exceptional S			x		25275.31	9408.1	802.28	42.3	3.61	44.5	2.97	14.9	6.54	13.13									
569	Private	<i>Stewartia pseudocamellia</i>	Japanese Stewartia	9.6	5.4, 4.2, 5.2, 4.3	Good	Fair	13	7.7		Exceptional S			x		1495.04	564	48.09	0.6	0.05	6.5	0.44	2.2	0.96	1.44									
570	Private	<i>Pinus contorta var. latifolia</i>	Lodgepole pine	18.1		Good	Fair	15	6		Exceptional S			x	x	2476.25	2079.4	177.32	11	0.94	28.6	1.91	9.6	4.21	7.06			Remove				Remove		
571	Private	<i>Thuja occidentalis</i>	Arborvitae	7.8	5.1, 5.9	Good	Good	5	11.8		-	pyramidalis		x		583.63	239	20.38	11.6	0.99	2.6	0.17	0.9	0.38	1.54								Remove	
572	Private	<i>Thuja occidentalis</i>	Arborvitae	7.9	4.5, 4.2, 4, 3	Good	Good	5	11.8		-	pyramidalis	x	x		599.67	245	20.89	11.7	1	2.7	0.18	0.9	0.39	1.57								Remove	
573	Private	<i>Thuja occidentalis</i>	Arborvitae	12.6	9, 7.7, 4.2	Good	Good	8	11.8		Exceptional S	pyramidalis	x	x		1583.91	608.2	51.87	18.1	1.55	7.7	0.52	2.6	1.14	3.2			Remove		Remove			Remove	
574	Private	<i>Thuja occidentalis</i>	Arborvitae	9.5	6.5, 3.5, 3.4, 4, 3	Good	Good	7	11.8		-	pyramidalis	x	x		884.06	350.6	29.9	13.9	1.19	4	0.26	1.3	0.58	2.04			Remove		Remove			Remove	
575	Private	<i>Pyrus calleryana</i>	Callery pear	7.8		Good	Fair	10	13		-			x	x	1067.47	220.3	18.79	17.9	1.53	5.7	0.38	1.9	0.84	2.76								Remove	
576	Private	<i>Prunus cerasifera 'Thundercloud'</i>	Thundercloud plum	12.0	9, 8	Good	Fair	12	12.4		-			x	x	2202.73	842.7	71.86	1	0.08	16.1	1.08	5.4	2.37	3.53			Remove					Remove	
577	Private	<i>Acer griseum</i>	Paperbark maple	7.8	4.5, 5.6, 3	Good	Good	10	12		-			x		1095.35	485	41.36	0.6	0.05	16.3	1.09	5.5	2.39	3.53									
578	Private	<i>Acer griseum</i>	Paperbark maple	6.4	3.5, 4.5, 3	Good	Good	11	12		-			x		830.09	310	26.43	0.9	0.08	10.8	0.72	3.6	1.59	2.39									
579	Private	<i>Pyrus calleryana</i>	Callery pear	8.6		Good	Fair	10	13		-					1246.58	279.8	23.86	20.6	1.76	7.2	0.48	2.4	1.07	3.31									
580	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	9.3		Good	Good	9	30		-					901.05	733.4	62.54	57.4	4.9	5.3	0.35	1.8	0.78	6.02									
581	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.1		Good	Good	15	30		-					1560.23	1266	107.96	76	6.48	9.6	0.64	3.2	1.41	8.53									
582	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	7.7		Good	Good	7	30		-					601.82	497.5	42.43	47.1	4.01	3.5	0.24	1.2	0.52	4.77									
583	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	8.8	7.5, 3.1, 3.4	Good	Fair	8	30		-					714.37	645.7	55.06	48.2	4.11	3.6	0.24	1.2	0.53	4.87									
584	Private	<i>Quercus garryana</i>	Garry oak	33.5		Good	Fair	29	6		Exceptional S					18034.3	5566.1	474.65	25.9	2.21	84.3	5.64	28.3	12.41	20.25			Remove		Remove				
585	Private	<i>Gleditsia triacanthos</i>	Honeylocust	6.3		Fair	Good	11	20		-					659.96	80.9	6.9	10.2	0.87	7.2	0.48	2.4	1.06	2.4									
586	Private	<i>Gleditsia triacanthos</i>	Honeylocust	12.7		Good	Good	22	20		-					2074.88	425.6	36.3	30.7	2.62	27.6	1.84	9.3	4.05	8.51									
587	Private	<i>Gleditsia triacanthos</i>	Honeylocust	15.6		Good	Good	18	20		-					2975.51	701.8	59.84	41.4	3.53	34.8	2.33	11.7	5.12	10.98									
588	Private	<i>Chamaecyparis obtusa</i>	Hinoki cypress	11.5		Good	Good	10	16.4		-					1329.79	560.1	47.76	18.7	1.6	8.5	0.57	2.9	1.25	3.41									
589	Private	<i>Arbutus unedo</i>	Strawberry tree	23.3	14.6, 9.5, 11.4, 10.4	Good	Fair	19	10.2		Exceptional S					7648.2	3981.3	339.51	1.6	0.14	8.6	0.57	2.9	1.26	1.97									
590	ROW	<i>Acer rubrum</i>	Red maple	18.6		Good	Fair	17	25		-	SDOT				4021.84	1807.6	154.14	32.6	2.78	55.7	3.72	18.7	8.2	14.7	16402								
591	ROW	<i>Acer rubrum</i>	Red maple	15.4		Good	Fair	17	25		-	SDOT				2839.41	1146	97.72	39.1	3.34	42.6	2.84	14.3	6.26	12.44	16412								
592	ROW	<i>Acer rubrum</i>	Red maple	13.3	4.9, 6.2, 10.7	Good	Fair	18	25		-	SDOT				2184.39	804.9	68.64	40	3.41	34.9	2.33	11.7	5.13	10.88	16413								



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking	
593	Private	<i>Prunus serrulata</i>	Flowering cherry	7.1	6, 3.8	Good	Fair	14	23		-					925.09	234.8	20.02	0.5	0.04	3.9	0.26	1.3	0.57	0.87		Remove		Remove	Remove	Remove	Remove		
594	Private	<i>Prunus serrulata</i>	Flowering cherry	10.1	7.9, 5.5, 3.2	Good	Fair	15	23		-					1629.51	553.8	47.23	0.8	0.06	8.3	0.55	2.8	1.22	1.84		Remove		Remove	Remove	Remove	Remove		
595	Private	<i>Acer palmatum</i>	Japanese maple	12.8	5.5, 5.9, 5.4, 5.2, 4.5, 4.7	Good	Good	13	12		Exceptional S					2469.67	583	49.71	0.5	0.04	26.1	1.74	8.8	3.84	5.62		Remove		Remove	Remove	Remove	Remove		
596	Private	<i>Acer palmatum</i>	Japanese maple	9.4	6.2, 7.1	Good	Good	12	12		-					1462.55	287.4	24.51	5.4	0.46	13.1	0.87	4.4	1.92	3.25		Remove		Remove	Remove	Remove	Remove		
597	Private	<i>Acer rubrum</i>	Red maple	14.7		Good	Fair	19	25		-					2610.42	1024.4	87.35	39.8	3.39	40.1	2.68	13.5	5.9	11.97		Remove		Remove	Remove	Remove	Remove		
598	Private	<i>Magnolia x soulangeana</i>	Saucer magnolia	9.5	4.4, 3.6, 5.4, 4.4, 3	Good	Fair	12	16		-					1357.59	367.9	31.37	6.2	0.53	13.9	0.93	4.7	2.05	3.51				Remove		Remove		Remove	
599	Private	<i>Fagus sylvatica</i>	European beech	11.7	5.5, 10.3	Good	Fair	9	30		-					3000.59	689	58.75	8.8	0.75	46.8	3.13	15.7	6.88	10.75				Remove	Remove		Remove		
600	Private	<i>Pinus nigra</i>	Austrian black pine	14.6		Good	Good	13	24	Grove	Exceptional G					2449.48	481.7	41.07	21	1.79	24	1.61	8.1	3.54	6.93									
601	Private	<i>Ulmus parviflora</i>	Lacebark elm	13.9		Good	Good	19	20.1	Grove	Exceptional G	Ulmus parviflora				3997.46	1030.5	87.87	56.5	4.82	33	2.21	11.1	4.86	11.89									
602	Private	<i>Acer tegmentosum</i>	Stripebark maple	13.7		Good	Fair	18	12.8	Grove	Exceptional SG	Acer pensylvanicum				2484.87	770	65.66	0.5	0.04	36.6	2.44	12.3	5.38	7.86									
603	Private	<i>Umbellularia californica</i>	California laurel	14.3		Good	Fair	22	30	Grove	Exceptional G					3028.52	1192.1	101.66	50.8	4.33	24.4	1.63	8.2	3.59	9.55									
604	Private	<i>Acer platanoides</i>	Norway maple	20.1		Fair	Fair	21	30	Grove	Exceptional G					6384.61	2076.2	177.05	31.6	2.69	50.2	3.35	16.9	7.38	13.43									
605	Private	<i>Ulmus pumila</i>	Siberian elm	13.0		Good	Good	21	30	Grove	Exceptional G					1184.02	631.9	53.88	44	3.76	25.5	1.71	8.6	3.75	9.22									
606	Private	<i>Calitropsis nootkatensis</i>	Alaskan cedar	8.2		Fair	Good	9	12.9		-					585.02	235.2	20.06	9.9	0.85	3.1	0.2	1	0.45	1.5									
607	Private	<i>Calitropsis nootkatensis</i>	Alaskan cedar	11.5		Fair	Good	12	12.9		-					1185.25	472.6	40.3	14.3	1.22	6.4	0.43	2.1	0.94	2.58									
608	Private	<i>Calitropsis nootkatensis</i>	Alaskan cedar	12.5		Good	Good	14	12.9	Grove	Exceptional G					1578.4	570.8	48.68	17.6	1.5	10.2	0.68	3.4	1.5	3.68									
609	Private	<i>Calitropsis nootkatensis</i>	Alaskan cedar	15.2		Good	Good	14	12.9	Grove	Exceptional SG					2353.13	858.2	73.18	21.7	1.85	15.9	1.06	5.3	2.33	5.24									
610	Private	<i>Ulmus americana</i>	American elm	12.0	7.5, 7.9, 5.1	Good	Good	13	14.3		-					2471.36	668.2	56.98	0.6	0.05	31.2	2.08	10.5	4.58	6.72									
611	ROW	<i>Acer rubrum</i>	Red maple	11.9	6, 9.2, 4.6	Good	Fair	17	25		-	SDOT				1800.97	615.9	52.52	39.4	3.36	29	1.94	9.7	4.26	9.56	16414								
612	ROW	<i>Acer rubrum</i>	Red maple	11.9		Good	Fair	15	25		-	SDOT				1800.97	615.9	52.52	39.4	3.36	29	1.94	9.7	4.26	9.56	16415								
613	ROW	<i>Acer rubrum</i>	Red maple	11.6	9, 7.3	Good	Fair	16	25		-	SDOT				1724.35	579.2	49.39	39.1	3.33	27.7	1.85	9.3	4.08	9.26	16416								
614	ROW	<i>Acer rubrum</i>	Red maple	9.6		Good	Fair	14	25		-	SDOT				1263.55	367.8	31.36	31.1	2.65	19.3	1.29	6.5	2.84	6.78	16417								
615	ROW	<i>Acer rubrum</i>	Red maple	12.7	5.2, 8.9, 7.4	Good	Fair	17	25		-	SDOT				2014.85	720.2	61.42	40	3.41	32.2	2.16	10.8	4.74	10.31	16418								
616	Private	<i>Chamaecyparis obtusa</i>	Hinoki cypress	6.0		Good	Good	5	16.4		-					332.76	147.3	12.56	9.4	0.8	2.1	0.14	0.7	0.31	1.25									
617	Private	<i>Chamaecyparis obtusa</i>	Hinoki cypress	7.1		Good	Good	6	16.4		-					482.03	207.2	17.67	11.2	0.95	3	0.2	1	0.43	1.59									
618	ROW	<i>Acer rubrum</i>	Red maple	7.4		Good	Fair	10	25		-	SDOT				857.09	197.3	16.83	21.7	1.85	11.4	0.76	3.8	1.67	4.28	16419								
619	ROW	<i>Acer rubrum</i>	Red maple	12.2		Good	Fair	10	25		-	SDOT				1879.55	653.9	55.76	39.6	3.38	30.1	2.01	10.1	4.43	9.83	16420								
620	ROW	<i>Gleditsia triacanthos</i>	Honeylocust	16.1		Fair	Fair	17	20		-	SDOT				2635.95	758	64.64	36.2	3.09	25.7	1.72	8.6	3.79	8.6	16421								
621	ROW	<i>Gleditsia triacanthos</i>	Honeylocust	15.1		Fair	Fair	19	20		-	SDOT				2349.39	648.1	55.27	33	2.81	23.8	1.59	8	3.51	7.91	16403								
622	Private	<i>Acer negundo</i>	Boxelder	29.8		Fair	Fair	25	26.7		Exceptional S					5720.34	4211.9	359.17	12.4	1.06	46.9	3.14	15.8	6.91	11.1									
623	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	41.1		Good	Fair	22	30		-	SDOT				21735.38	12768.8	1088.87	4.3	0.36	63.4	4.24	21.3	9.32	13.93	16404								
624	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	45.1		Good	Fair	30	30		-	SDOT				24644.01	16036.8	1367.55	4.9	0.42	63.4	4.24	21.3	9.32	13.98	16422								
625	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	37.1		Good	Fair	30	30		-	SDOT				18633.9	9925	846.36	3.7	0.31	61.8	4.13	20.7	9.09	13.53	16423								
626	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	26.7		Fair	Fair	21	30		-	SDOT				9676.24	4393.3	374.64	2.1	0.18	57.9	3.87	19.5	8.52	12.58	16424								
627	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	39.7		Good	Fair	32	30		-	SDOT				20671.79	11725.7	999.91	4.1	0.35	63.3	4.23	21.2	9.31	13.88	16425								
628	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	32.7		Good	Fair	28	30		-	SDOT				14999.55	7259.6	619.07	3.1	0.26	60.5	4.04	20.3	8.9	13.2	16426								



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
629	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	26.8		Good	Fair	18	30		-	SDOT				10380.15	4434.4	378.14	2.3	0.19	60.7	4.06	20.4	8.93	13.18	16637							
630	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	19.7		Good	Fair	20	30		-	SDOT				5715.68	2073.5	176.82	25.5	2.18	55.6	3.72	18.7	8.18	14.08	16638							
631	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	38.5		Good	Fair	30	30		-	SDOT				19741.35	10872.5	927.16	3.9	0.33	62.6	4.18	21	9.21	13.72	0							
632	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	29.8		Good	Fair	20	30		-	SDOT				12779.14	5766.9	491.78	2.7	0.23	60.5	4.04	20.3	8.9	13.16	16639							
633	Private	<i>Prunus serrulata</i>	Flowering cherry	8.3	5.2, 5.3, 3.8	Good	Fair	8	23		-					1177.37	343.4	29.28	0.6	0.05	5.5	0.37	1.8	0.81	1.22		Remove	Remove	Remove	Remove	Remove	Remove	
634	Private	<i>Prunus serrulata</i>	Flowering cherry	9.0	5, 6, 3, 3.3	Good	Good	12	23		-					1506.43	418.2	35.67	0.7	0.06	8.5	0.57	2.9	1.25	1.88		Remove	Remove	Remove	Remove	Remove	Remove	
635	Private	<i>Malus domestica</i>	Apple	20.1	15.8, 8.6, 9	Good	Fair	25	20		Exceptional S	red leaf cultivar				5752.27	2274.3	193.94	57.7	4.92	20.9	1.4	7	3.07	9.38		Remove	Remove	Remove	Remove	Remove	Remove	
636	Private	<i>Acer campestre</i>	Hedge maple	17.1		Good	Fair	20	22.2		-					3730.27	1510	128.77	0.8	0.07	48.5	3.24	16.3	7.14	10.45		Remove	Remove	Remove	Remove	Remove	Remove	Remove
637	Private	<i>Magnolia grandiflora</i>	Southern magnolia	19.9		Good	Fair	20	16		Exceptional S					4818.14	1847	157.51	54.9	4.69	47.5	3.17	15.9	6.98	14.84		Remove	Remove	Remove	Remove	Remove	Remove	Remove
638	Private	<i>Quercus palustris</i>	Pin oak	6.2		Good	Good	10	30		-			x		942.11	177.6	15.14	21.2	1.81	8.2	0.55	2.8	1.21	3.57								
639	Private	<i>Acer platanoides</i>	Norway maple	23.3	20, 12	Fair	Fair	21	30		-			x		8510.57	2908.3	248	23.8	2.03	54.1	3.62	18.2	7.96	13.61		Remove	Remove	Remove	Remove	Remove	Remove	Remove
640	Private	<i>Acer macrophyllum</i>	Bigleaf maple	24.2	12, 19, 9	Fair	Fair	26	30		-			x	x	7399.56	2480.9	211.56	1.8	0.16	68.2	4.56	22.9	10.03	14.75		Remove	Remove	Remove	Remove	Remove	Remove	Remove
641	Private	<i>Acer campestre</i>	Hedge maple	13.0		Good	Fair	19	22.2	Grove	Exceptional G			x		2262.6	807.3	68.84	0.5	0.05	33.6	2.24	11.3	4.94	7.23		Remove	Remove	Remove	Remove	Remove	Remove	Remove
642	Private	<i>Acer campestre</i>	Hedge maple	17.9		Good	Fair	19	22.2	Grove	Exceptional G			x		4063.26	1676.4	142.96	0.8	0.07	51.1	3.41	17.1	7.51	10.99		Remove	Remove	Remove	Remove	Remove	Remove	Remove
643	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	17.4	7.8, 15.6	Good	Fair	14	30	Grove	Exceptional G			x		2923.7	2655.1	226.41	66.6	5.68	15.9	1.06	5.3	2.34	9.08		Remove	Remove	Remove	Remove	Remove	Remove	Remove
644	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	15.6		Good	Good	15	30	Grove	Exceptional G			x		2626.78	2148.8	183.24	79.7	6.79	16.9	1.13	5.7	2.48	10.4		Remove	Remove	Remove	Remove	Remove	Remove	Remove
645	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	13.4		Good	Good	13	30	Grove	Exceptional G			x		1924.92	1564.6	133.42	82.5	7.04	11.9	0.8	4	1.76	9.59		Remove	Remove	Remove	Remove	Remove	Remove	Remove
646	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	11.5		Good	Good	14	30		-			x		1404.45	1138.6	97.1	72	6.14	8.5	0.57	2.9	1.25	7.96		Remove	Remove	Remove	Remove	Remove	Remove	Remove
647	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	11.5		Good	Good	15	30		-			x		1404.45	1138.6	97.1	72	6.14	8.5	0.57	2.9	1.25	7.96		Remove	Remove	Remove	Remove	Remove	Remove	Remove
648	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	20.8	9.8, 18.4	Good	Fair	17	30	Grove	Exceptional G			x		4197.21	3848.3	328.17	52	4.43	22.6	1.51	7.6	3.32	9.26		Remove	Remove	Remove	Remove	Remove	Remove	Remove
649	Private	<i>Liquidambar styraciflua</i>	American sweetgum	15.7		Good	Good	19	27	Grove	Exceptional G			x		5210.66	596.9	50.9	35.4	3.02	50.9	3.4	17.1	7.49	13.91		Remove						Remove
650	Private	<i>Liquidambar styraciflua</i>	American sweetgum	13.4		Good	Good	13	27	Grove	Exceptional G			x		3855.94	403.6	34.41	28.1	2.4	39	2.61	13.1	5.74	10.74		Remove						Remove
651	Private	<i>Liquidambar styraciflua</i>	American sweetgum	13.0		Good	Good	14	27	Grove	Exceptional G			x		3642.19	374.5	31.93	26.9	2.29	36.7	2.45	12.3	5.4	10.15		Remove						Remove
652	Private	<i>Liquidambar styraciflua</i>	American sweetgum	15.7		Good	Good	14	27	Grove	Exceptional G			x		5210.66	596.9	50.9	35.4	3.02	50.9	3.4	17.1	7.49	13.91		Remove						Remove
653	Private	<i>Acer campestre</i>	Hedge maple	9.9		Good	Fair	9	22.2		-			x		1418.34	433.8	36.99	0.4	0.03	20.2	1.35	6.8	2.97	4.35		Remove						Remove
654	Private	<i>Prunus serrulata</i>	Flowering cherry	11.7	9, 4.3, 6.1	Good	Fair	11	23		-			x		2105.67	792.3	67.57	0.9	0.08	11	0.73	3.7	1.62	2.43		Remove						Remove
655	Private	<i>Liquidambar styraciflua</i>	American sweetgum	17.2		Good	Good	22	27	Grove	Exceptional G			x		6209.55	747.9	63.78	40.5	3.45	58	3.88	19.5	8.54	15.87		Remove						Remove
656	Private	<i>Liquidambar styraciflua</i>	American sweetgum	16.7		Good	Fair	16	27	Grove	Exceptional G			x		5228.8	695.3	59.29	34.5	2.94	44.6	2.98	15	6.56	12.48		Remove						Remove
657	Private	<i>Liquidambar styraciflua</i>	American sweetgum	12.2		Good	Fair	16	27	Grove	Exceptional G			x		2882.6	320.2	27.3	21.8	1.86	24.7	1.65	8.3	3.64	7.15		Remove	Remove					Remove
658	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	25.4	15.8, 13.1, 14.9	Good	Fair	13	26.9	Grove	Exceptional G			x		5920.85	5839.4	497.96	75.1	6.4	31.3	2.09	10.5	4.6	13.09								Remove
659	Private	<i>Thuja plicata 'Zebrina'</i>	Zebrina redcedar	8.2		Good	Fair	11	30		-			x		650.24	33	2.81	1.4	0.12	2.4	0.16	0.8	0.35	0.63								Remove
660	Private	<i>Liquidambar styraciflua</i>	American sweetgum	9.2		Good	Good	10	27		-			x		1934.67	159.9	13.64	16.3	1.39	17.1	1.14	5.7	2.51	5.04			Remove					
661	Private	<i>Cedrus libani</i>	Cedar of Lebanon	27.8		Good	Good	23	30	Grove	Exceptional G			x		11425.22	7029.9	599.48	24.6	2.09	36.6	2.45	12.3	5.39	9.93			Remove					
662	Private	<i>Umbellularia californica</i>	California laurel	6.8		Good	Fair	9	30		-			x		868.16	199.7	17.03	18.1	1.54	5.5	0.37	1.8	0.81	2.71								
663	Private	<i>Umbellularia californica</i>	California laurel	6.7	4.5, 5	Good	Fair	10	30		-			x		849.73	192.8	16.44	17.7	1.51	5.3	0.36	1.8	0.78	2.65								
664	Private	<i>Taxus brevifolia</i>	Western yew	15.4	5.9, 8.4, 6, 8, 5.6	Good	Good	11	6		Exceptional S			x		2416.53	1018.6	86.86	0.6	0.05	29.5	1.97	9.9	4.34	6.37								
665	Private	<i>Juniperus chinensis</i>	Chinese juniper	8.1	4.8, 6.5	Good	Fair	8	7.4		Exceptional S			x		389.9	266.2	22.7	22.4	1.91	7.2	0.48	2.4	1.06	3.45								
666	Private	<i>Juniperus chinensis</i>	Chinese juniper	6.5	5.8, 3	Good	Fair	8	7.4		-					259.01	161.9	13.81	17.1	1.46	4.3	0.29	1.4	0.63	2.37								



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking	
667	Private	<i>Juniperus chinensis</i>	Chinese juniper	7.2	5.5, 3.5, 3	Good	Fair	12	7.4		-					312.74	203.8	17.38	19.4	1.65	5.4	0.36	1.8	0.8	2.81									
668	Private	<i>Juniperus chinensis</i>	Chinese juniper	8.1	5.9, 5.5	Good	Fair	8	7.4		Exceptional S					389.9	266.2	22.7	22.4	1.91	7.2	0.48	2.4	1.06	3.45									
669	Private	<i>Juniperus chinensis</i>	Chinese juniper	11.7	6.7, 7.7, 5.7	Good	Fair	13	7.4		Exceptional S					789.28	611.1	52.11	35.1	2.99	17.3	1.16	5.8	2.55	6.7									
670	Private	<i>Tsuga canadensis</i>	Eastern hemlock	6.0		Good	Good	6	28.2		-	Tsuga canadensis cultivar				361.32	70	5.97	5.2	0.44	3.6	0.24	1.2	0.54	1.22									
671	Private	<i>Juniperus chinensis 'Kaizuka'</i>	Hollywood juniper	11.2		Good	Good	11	10.3		Exceptional S			x		1539.48	1105.1	94.23	1.2	0.1	21	1.41	7.1	3.09	4.6									
672	Private	<i>Betula papyrifera</i>	Paper birch	20.4	6.4, 8.7, 16.3, 5.9	Fair	Fair	18	20	Grove	Exceptional SG					6155.08	2546.2	217.13	68.1	5.8	39.1	2.61	13.1	5.75	14.16									
673	Private	<i>Betula papyrifera</i>	Paper birch	15.0		Fair	Fair	22	20	Grove	Exceptional G					3423.91	1155.9	98.57	58.7	5.01	30.4	2.03	10.2	4.47	11.51									
674	Private	<i>Betula papyrifera</i>	Paper birch	17.8		Fair	Fair	18	20	Grove	Exceptional G					4736.06	1794	152.98	64.9	5.53	38.4	2.56	12.9	5.64	13.74									
675	Private	<i>Betula papyrifera</i>	Paper birch	11.3		Fair	Fair	17	20		-					2033.61	558.4	47.62	40.2	3.43	16.6	1.11	5.6	2.44	6.98									
676	Private	<i>Betula papyrifera</i>	Paper birch	8.0		Good	Good	10	20		-					1342.53	230	19.61	28.4	2.42	12	0.8	4	1.76	4.98									
677	Private	<i>Zelkova serrata</i>	Japanese zelkova	21.0	10.3, 18.3	Good	Fair	21	21	Grove	Exceptional G					7402.2	1121.5	95.64	21.8	1.86	49.2	3.29	16.5	7.25	12.4									
678	Private	<i>Quercus garryana</i>	Garry oak	37.2		Good	Fair	40	6	Grove	Exceptional SG	Confirm ID in spring				21537.48	6862.3	585.18	28.6	2.44	87.5	5.85	29.4	12.87	21.16									
679	Private	<i>Quercus garryana</i>	Garry oak	52.0		Good	Fair	50	6	Grove	Exceptional SG	Confirm ID in spring				33646.39	13403.6	1142.99	39.2	3.34	99.1	6.62	33.3	14.58	24.55									
680	Private	<i>Quercus garryana</i>	Garry oak	50.1		Good	Good	45	6	Grove	Exceptional SG	Confirm ID in spring				36196.73	12442.3	1061.03	42.7	3.64	122.3	8.17	41.1	17.99	29.8									
681	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	35.2		Good	Fair	35	30	Grove	Exceptional SG					17093.14	8713.6	743.06	3.4	0.29	61	4.08	20.5	8.98	13.35									
682	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	38.0		Good	Fair	28	30	Grove	Exceptional SG					19348.55	10528.7	897.84	3.8	0.33	62.3	4.16	20.9	9.16	13.65									
683	Private	<i>Acer pseudoplatanus</i>	Sycamore maple	27.4		Good	Fair	28	30	Grove	Exceptional G					10839.61	4684.3	399.46	2.4	0.2	60.7	4.06	20.4	8.93	13.19									
684	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	41.8		Good	Fair	35	30	Grove	Exceptional SG					22258.31	13310.5	1135.06	4.4	0.37	64	4.28	21.5	9.42	14.07									



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
685	Private	<i>Acer pseudoplatanus</i>	Sycamore maple	29.0		Good	Fair	25	30	Grove	Exceptional G					12114.55	5391.4	459.75	2.6	0.22	60.6	4.05	20.4	8.92	13.19								
686	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	27.7		Fair	Fair	12	26.9	Grove	Exceptional SG					6618.67	6943.6	592.12	69.3	5.91	30.1	2.01	10.1	4.43	12.35								
687	Private	<i>Paulownia tomentosa</i>	Empress tree	17.5		Good	Good	22	26.4	Grove	Exceptional G					4753	493.8	42.11	23.7	2.02	18.4	1.23	6.2	2.7	5.95								
688	Private	<i>Quercus palustris</i>	Pin oak	17.8		Good	Good	26	30	Grove	Exceptional G	Confirm ID in spring				6034.03	1427.7	121.75	35.9	3.06	62.4	4.17	21	9.18	16.41								
689	Private	<i>Ulmus americana</i>	American elm	57.7		Fair	Poor	35	30	Grove	Exceptional SG					22735.8	16534.7	1410	33.1	2.82	68.8	4.6	23.1	10.12	17.54								
690	Private	<i>Quercus palustris</i>	Pin oak	31.0		Good	Good	29	30	Grove	Exceptional SG					17457	4320.2	368.41	2.3	0.2	163.4	10.92	54.9	24.05	35.17								
691	Private	<i>Cornus florida</i>	Eastern flowering dogwood	7.4	5.9, 4.5	Good	Good	9	12		-					1104.53	195.9	16.71	15.5	1.32	6.9	0.46	2.3	1.02	2.8								
692	Private	<i>Prunus serrulata</i>	Flowering cherry	11.4	10.2, 5	Good	Fair	12	23		-					2011.07	743.8	63.42	0.9	0.08	10.3	0.69	3.5	1.52	2.29								
693	Private	<i>Prunus serrulata</i>	Flowering cherry	16.3	10, 9.2, 9	Good	Fair	17	23	Grove	Exceptional G					3863.99	1776.6	151.5	1.5	0.13	19.3	1.29	6.5	2.84	4.25								
694	Private	<i>Quercus palustris</i>	Pin oak	28.2		Good	Fair	31	30	Grove	Exceptional G					13177	3575.9	304.94	1.9	0.16	110.4	7.38	37.1	16.24	23.77								
695	Private	<i>Acer palmatum</i>	Japanese maple	16.7	6, 6.1, 7, 6.2, 7, 6.4, 5.4	Good	Good	17	12	Grove	Exceptional SG					4004.78	1074.9	91.66	0.7	0.06	42.4	2.83	14.2	6.24	9.13								
696	Private	<i>Populus alba 'Pyramidalis'</i>	Bolleana poplar	4.2		Good	Good	4	30		-					465.81	90.1	7.68	21	1.79	1.6	0.11	0.5	0.23	2.13								
697	Private	<i>Acer platanoides</i>	Norway maple	39.6		Fair	Poor	50	30	Grove	Exceptional SG					17925.58	9669.9	824.61	3	0.26	65.6	4.39	22	9.66	14.3								
698	Private	<i>Zelkova serrata</i>	Japanese zelkova	10.1		Good	Good	16	30		-					2172.85	305.1	26.02	20.6	1.76	18.5	1.24	6.2	2.73	5.72								
699	Private	<i>Acer palmatum</i>	Japanese maple	14.4	10.9, 9.4	Good	Fair	18	12		Exceptional S					2718.8	764.1	65.16	0.5	0.04	26	1.74	8.7	3.83	5.61		Remove		Remove	Remove	Remove	Remove	
700	Private	<i>Acer palmatum</i>	Japanese maple	11.4	8.7, 7.4	Good	Fair	17	12		-					1798.31	447	38.11	2.6	0.23	15.6	1.04	5.2	2.29	3.56		Remove		Remove	Remove	Remove	Remove	
701	Private	<i>Ulmus americana</i>	American elm	46.7		Good	Fair	35	30		Exceptional S					23800.11	11565.1	986.22	107.9	9.2	111.2	7.43	37.3	16.36	32.99								
702	Private	<i>Ulmus americana</i>	American elm	52.8		Good	Fair	46	30		Exceptional S					27443.28	15525.3	1323.92	88.1	7.51	116.6	7.8	39.2	17.16	32.47				Remove	Remove			
703	Private	<i>Acer palmatum</i>	Japanese maple	8.5		Good	Good	12	12		-					1247.59	228.3	19.47	6.1	0.52	10.4	0.69	3.5	1.53	2.74		Remove		Remove	Remove	Remove	Remove	
704	Private	<i>Acer palmatum</i>	Japanese maple	10.7	7.2, 7.3, 3.1	Good	Good	17	12		-					1811.2	386.5	32.96	4	0.34	17.7	1.18	5.9	2.6	4.12		Remove		Remove	Remove	Remove	Remove	



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705	Private	<i>Populus alba 'Pyramidalis'</i>	Bolleana poplar	79.8		Good	Fair	37	30	Grove	Exceptional SG					19159.94	16534.7	1410	33.1	2.82	106.4	7.11	35.7	15.65	25.59									
706	Private	<i>Stewartia pseudocamellia</i>	Japanese stewartia	4.7		Good	Good	8	7.7		-					604.14	98.6	8.41	7.6	0.65	2	0.14	0.7	0.3	1.08									
707	Private	<i>Stewartia pseudocamellia</i>	Japanese stewartia	4.0		Good	Good	8	7.7		-					510.86	66.6	5.68	7.7	0.65	1.5	0.1	0.5	0.22	0.98									
708	Private	<i>Arbutus unedo</i>	Strawberry tree	13.6	9, 8, 3, 4, 4	Good	Fair	17	10.2		Exceptional S			x		2761.9	1087.1	92.7	0.8	0.06	7.1	0.47	2.4	1.04	1.58		Remove		Remove	Remove	Remove	Remove	Remove	
709	Private	<i>Tsuga heterophylla</i>	Western hemlock	27.0		Good	Good	24	24		Exceptional S			x		8529.61	1699.3	144.91	28.6	2.44	86.6	5.79	29.1	12.75	20.98								Remove	
710	Private	<i>Juglans regia</i>	English walnut	10.0	6, 8	Good	Fair	14	28.8		-			x		1447.66	240.1	20.48	19.8	1.69	15.9	1.06	5.3	2.34	5.09		Remove		Remove	Remove	Remove	Remove	Remove	
711	ROW	<i>Pinus contorta var. contorta</i>	Shore pine	21.0	13, 9.2, 13.7	Fair	Fair	14	12		-			x		3133.14	1020.6	87.03	31.4	2.67	34.2	2.29	11.5	5.04	10	16523								
712	ROW	<i>Acer campestre</i>	Hedge maple	23.6		Good	Fair	19	22.2		-			x		6876.47	3155	269.04	1.2	0.1	79.4	5.31	26.7	11.69	17.1	0								
713	ROW	<i>Ilex aquifolium</i>	English holly	11.1	8.3, 7.4	Good	Good	10	18.8		-			x		2152.93	428.9	36.57	15.1	1.29	9.2	0.61	3.1	1.35	3.25	0								
714	ROW	<i>Ilex aquifolium</i>	English holly	16.4	6.1, 6, 8.9, 8.4, 4, 5.4	Good	Good	11	18.8		-			x		4385.29	1039.3	88.63	8.5	0.72	20.4	1.37	6.9	3	5.09	0								
715	Private	<i>Juglans regia</i>	English walnut	5.8	5, 3	Good	Fair	14	28.8		-			x		654.34	63.8	5.44	9.2	0.78	4.6	0.31	1.5	0.68	1.77		Remove		Remove	Remove	Remove	Remove	Remove	
716	ROW	<i>Ilex aquifolium</i>	English holly	13.9	5.2, 3.5, 5.7, 7, 3.2, 7.8	Good	Fair	11	18.8		-			x		2874.53	707.4	60.33	11.8	1	10.7	0.71	3.6	1.57	3.29	0								
717	ROW	<i>Crataegus laevigata</i>	English hawthorn	11.5		Good	Fair	10	16		-			x		2042.33	588.8	50.21	0.7	0.06	4.7	0.31	1.6	0.69	1.06	16536								
718	Private	<i>Betula pendula</i>	European white birch	28.0		Good	Fair	25	24		Exceptional S			x		11589.99	5003.8	426.7	122.7	10.46	53.2	3.56	17.9	7.83	21.85								Remove	
719	Private	<i>Acer rubrum</i>	Red maple	17.0		Good	Fair	23	25		-		x	x		3402.8	1454.7	124.05	36.6	3.12	48.2	3.22	16.2	7.09	13.43								Remove	
720	Private	<i>Robinia pseudoacacia</i>	Black locust	16.0		Good	Fair	18	30		-		x	x		3581.03	833.7	71.09	10.2	0.87	27.9	1.86	9.4	4.1	6.83		Remove		Remove	Remove	Remove	Remove	Remove	
721	Private	<i>Pinus nigra</i>	Austrian black pine	25.0		Good	Fair	25	24		Exceptional S			x	x	6509.89	1613.9	137.63	38	3.24	30.3	2.03	10.2	4.46	9.73		Remove		Remove	Remove	Remove	Remove	Remove	
722	ROW	<i>Crataegus laevigata</i>	English hawthorn	12.6		Good	Fair	11	16		-			x		2404.23	736.4	62.79	0.8	0.07	5.3	0.36	1.8	0.78	1.21	16509								
723	Private	<i>Ilex aquifolium</i>	English holly	18.0	10, 9, 12	Good	Good	14	18.8		-			x		5228.31	1279.9	109.14	3.6	0.31	21.4	1.43	7.2	3.15	4.89		Remove		Remove	Remove	Remove	Remove	Remove	
724	ROW	<i>Crataegus laevigata</i>	English hawthorn	12.5		Good	Fair	16	16		-			x		2369.96	722.1	61.58	0.8	0.07	5.3	0.36	1.8	0.79	1.21	16517								
725	ROW	<i>Crataegus laevigata</i>	English hawthorn	16.6		Good	Fair	17	16		-			x		3998.73	1446.6	123.36	1.2	0.1	8.2	0.55	2.8	1.21	1.86	16515								
726	Private	<i>Prunus laurocerasus</i>	Cherry laurel	12.6	4.5, 4, 3, 4, 6, 5, 6	Good	Fair	12	26.2		-			x		2404.23	971	82.8	1.3	0.11	17.5	1.17	5.9	2.57	3.85								Remove	
727	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	18.0		Good	Fair	11	30		-			x		3131.96	2848.8	242.94	64.7	5.52	17	1.14	5.7	2.5	9.16								Remove	
728	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.0		Good	Good	10	30		-			x		1049.67	851.8	72.63	62	5.29	6.2	0.41	2.1	0.91	6.61								Remove	
729	ROW	<i>Betula pendula 'Purpurea'</i>	European white birch	6.2		Fair	Poor	7	12.4		-			x		575.9	168.8	14.39	0.3	0.02	2.1	0.14	0.7	0.31	0.48	16514	Remove		Remove	Remove	Remove	Remove	Remove	
730	ROW	<i>Betula pendula 'Purpurea'</i>	European white birch	6.2		Fair	Poor	8	12.4		-			x		575.9	168.8	14.39	0.3	0.02	2.1	0.14	0.7	0.31	0.48	16513	Remove		Remove	Remove	Remove	Remove	Remove	
731	ROW	<i>Betula pendula 'Purpurea'</i>	European white birch	6.4		Fair	Poor	11	12.4		-			x		601.91	182.3	15.55	0.3	0.03	2.3	0.15	0.8	0.33	0.51	16512	Remove		Remove	Remove	Remove	Remove	Remove	



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732	ROW	<i>Betula pendula 'Purpurea'</i>	European white birch	4.4		Poor	Poor	9	24		-			x		354.44	51.6	4.4	6.9	0.59	1.4	0.1	0.5	0.21	0.9	16508	Remove		Remove	Remove	Remove	Remove	
733	Private	<i>Prunus cerasifera 'Thundercloud'</i>	Thundercloud plum	7.0		Good	Fair	12	12.4		-			x		905.84	226.8	19.34	0.4	0.04	5.3	0.35	1.8	0.78	1.17		Remove		Remove	Remove	Remove	Remove	
734	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	30.0		Good	Good	22	30		Exceptional S			x		10545.17	2009	171.32	42.8	3.65	60	4.01	20.2	8.83	16.5		Remove		Remove	Remove	Remove	Remove	Remove
735	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	8.0		Good	Good	7	30		-			x		653.63	537.6	45.85	49	4.18	3.8	0.25	1.3	0.55	4.98		Remove		Remove	Remove	Remove	Remove	Remove
736	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.0		Good	Good	11	30		-		x	x		1049.67	851.8	72.63	62	5.29	6.2	0.41	2.1	0.91	6.61		Remove		Remove	Remove	Remove	Remove	Remove
737	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	6.0		Good	Good	6	30		-		x	x		345.6	299.5	25.54	36.3	3.09	2.1	0.14	0.7	0.31	3.55		Remove		Remove	Remove	Remove	Remove	Remove
738	Private	<i>Chamaecyparis obtusa</i>	Hinoki cypress	8.0		Good	Good	9	16.4		-					622.8	264.4	22.55	12.7	1.08	3.8	0.25	1.3	0.55	1.89								
739	Private	<i>Acer rubrum</i>	Red maple	14.0		Good	Good	23	25		-		x			2683.8	910.7	77.66	45	3.84	46.1	3.08	15.5	6.78	13.71								
740	Private	<i>Fraxinus latifolia</i>	Oregon ash	14.0		Good	Good	22	24		-		x			2489.99	692.8	59.08	25.7	2.19	41.7	2.79	14	6.14	11.12								
741	Private	<i>Cedrus deodara</i>	Deodar cedar	15.0	12, 9	Good	Fair	12	30		-		x			2893.13	849.1	72.41	37.5	3.2	9.1	0.61	3.1	1.34	5.15								
742	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	13.4		Good	Good	9	30		-	survey tag 42				1924.92	1564.6	133.42	82.5	7.04	11.9	0.8	4	1.76	9.59								
743	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	7.0		Good	Good	7	30		-	survey tag 43				488.62	409.2	34.89	42.6	3.63	2.9	0.19	1	0.42	4.24								
744	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	7.3		Good	Good	8	30		-	survey tag 44				535.81	446.1	38.04	44.5	3.79	3.2	0.21	1.1	0.46	4.47								
745	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	8.6		Good	Good	9	30		-					763.2	624	53.21	52.9	4.51	4.4	0.3	1.5	0.65	5.46								
746	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	9.6		Good	Good	8	30		-	survey tag 46				963.42	782.8	66.75	59.4	5.06	5.6	0.38	1.9	0.83	6.27								
747	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	7.4		Good	Fair	8	30		-	survey tag 47				491.98	452.5	38.59	40.1	3.42	2.5	0.16	0.8	0.36	3.95								
748	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	9.0		Good	Fair	9	30		-	survey tag 48				749.27	676.3	57.67	49.3	4.21	3.8	0.25	1.3	0.55	5.01								
749	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	8.9		Fair	Fair	8	30		-	survey tag 49				687.11	656.8	56.01	45.7	3.9	3.1	0.21	1.1	0.46	4.57								
750	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.7		Good	Fair	10	30		-	survey tag 50				1077.65	966.6	82.43	59.3	5.06	5.5	0.37	1.8	0.81	6.23								
751	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.6		Fair	Fair	10	30		-	survey tag 51				992.33	941.4	80.28	55.1	4.7	4.5	0.3	1.5	0.67	5.66								
752	Private	<i>Sequoia sempervirens</i>	Coast redwood	16.0		Fair	Good	20	30		-					2465.2	657.7	56.08	29.6	2.53	24.1	1.61	8.1	3.55	7.69								
753	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	7.8		Good	Good	16	30		-	survey tag 36				1225.38	216.3	18.44	19	1.62	19.4	1.3	6.5	2.85	5.77								
754	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	10.5		Good	Fair	18	30		-	survey tag 37				1790.27	444.3	37.89	25.9	2.21	25.4	1.7	8.5	3.74	7.65								
755	Private	<i>Prunus avium</i>	Wild cherry	13.0		Poor	Poor	12	29.4		-					1768.41	859.5	73.29	17.8	1.52	6.8	0.45	2.3	1	2.97								
756	Private	<i>Prunus avium</i>	Wild cherry	14.9	5, 14	Poor	Poor	12	29.4		-	survey tag 41				2271.44	1198.2	102.17	17.9	1.53	8.6	0.57	2.9	1.26	3.36								
757	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.0		Good	Good	9	30	Grove	Exceptional G		x			1533.72	1243.7	106.05	75.3	6.42	9.3	0.62	3.1	1.37	8.42								
758	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	10.0		Good	Good	10	30		-		x			1049.67	851.8	72.63	62	5.29	6.2	0.41	2.1	0.91	6.61								
759	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	13.0		Good	Good	14	30	Grove	Exceptional G		x			1808.74	1470	125.35	82.1	7	11.3	0.75	3.8	1.66	9.42								
760	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	14.0		Good	Good	15	30	Grove	Exceptional G	all estimated in this area due to access	x			2105.77	1714.7	146.22	82.2	7.01	13.3	0.89	4.5	1.95	9.85								
761	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	15.0		Good	Good	15	30	Grove	Exceptional G					2424.8	1979.3	168.78	80.9	6.9	15.4	1.03	5.2	2.26	10.19								
762	Private	<i>Pinus ponderosa</i>	Ponderosa pine	7.0		Good	Fair	7	30		-					362.32	81.9	6.98	6.6	0.56	4.4	0.3	1.5	0.65	1.51								
763	Private	<i>Tsuga heterophylla</i>	Western hemlock	28.0		Good	Good	20	24	Grove	Exceptional SG					9177.89	1824.6	155.6	29.8	2.54	87.7	5.87	29.5	12.91	21.32								
764	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	18.0		Good	Good	18	30	Grove	Exceptional G					3755.93	665.5	56.75	21.9	1.87	34.5	2.31	11.6	5.08	9.26								
765	Private	<i>Cuprocyparis leylandii</i>	Leyland cypress	12.0		Good	Good	12	30	Grove	Exceptional G					1533.72	1243.7	106.05	75.3	6.42	9.3	0.62	3.1	1.37	8.42								
766	Private	<i>Prunus laurocerasus</i>	Cherry laurel	13.9	9,8,7	Good	Good	15	26.2	Grove	Exceptional G					3225.08	1239.1	105.67	1.7	0.15	26.8	1.79	9	3.95	5.89								
767	Private	<i>Acer pseudoplatanus</i>	Sycamore maple	22.8		Good	Good	15	24		-					8874.86	2857.3	243.66	40	3.41	68.3	4.56	22.9	10.04	18.01								
768	Private	<i>Calitropsis nootkatensis</i>	Alaskan cedar	5.4		Good	Good	8	13		-					261.9	102.1	8.71	7.2	0.61	1.7	0.12	0.6	0.26	0.98								



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking	
769	Private	<i>Calitropsis nootkatensis</i>	Alaskan cedar	9.9	7,7,3,6,5,1	Good	Good	10	13		-					975.1	352.2	30.03	13.7	1.16	6.1	0.41	2.1	0.9	2.48									
770	Private	<i>Thuja occidentalis</i>	Arborvitae	8.8	4,5,6	Good	Good	7	11.8		-					753.21	301.9	25.75	13	1.11	3.3	0.22	1.1	0.48	1.8									
771	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	7.0		Good	Good	9	30		-			x		467.42	164.3	14.01	13	1.11	2.9	0.19	1	0.42	1.72									
772	Private	<i>Tsuga heterophylla</i>	Western hemlock	25.0		Good	Fair	19	24		Exceptional S		x	x		6509.89	1448.6	123.53	23.3	1.99	66.7	4.46	22.4	9.82	16.27		Remove		Remove	Remove	Remove	Remove		
773	ROW	<i>Pyrus calleryana</i>	Callery pear	8.9		Good	Fair	15	13		-		x			1318.25	304.3	25.95	21.6	1.85	7.9	0.53	2.7	1.17	3.54	0								
774	ROW	<i>Acer palmatum</i>	Japanese maple	7.0		Good	Good	9	12		-					937.37	146.6	12.5	6.6	0.57	6.8	0.46	2.3	1.01	2.03	0								
775	ROW	<i>Acer ginnala</i>	Amur maple	7.4		Good	Good	11	15.6		-					1014.22	430.7	36.73	0.8	0.07	14.6	0.97	4.9	2.14	3.19	0								
776	ROW	<i>Acer ginnala</i>	Amur maple	7.9		Good	Good	11	15.6		-					1116.3	499.4	42.58	0.9	0.07	16.6	1.11	5.6	2.44	3.63	0								
777	ROW	<i>Prunus serrulata</i>	Flowering cherry	7.0		Good	Fair	9	23		-					905.84	226.8	19.34	0.4	0.04	3.8	0.26	1.3	0.56	0.86	0								
778	ROW	<i>Prunus serrulata</i>	Flowering cherry	7.0		Good	Good	8	23		-					1016.3	226.8	19.34	0.5	0.04	5	0.34	1.7	0.74	1.12	0								
779	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	25.0		Good	Good	19	30		-					10168.05	3733.6	318.39	6	0.51	64.4	4.31	21.6	9.48	14.3	16540								
780	Private	<i>Betula pendula</i>	European white birch	31.8	22,23	Fair	Fair	20	24		Exceptional S			x		13693.78	6857.9	584.81	130.7	11.15	51.3	3.43	17.2	7.55	22.12		Remove		Remove	Remove	Remove	Remove		
781	Private	<i>Cedrus deodara</i>	Deodar cedar	35.0		Good	Good	25	30		Exceptional S			x		17529.89	4947.1	421.86	64.1	5.47	40.1	2.68	13.5	5.9	14.04									
782	Private	<i>Ilex aquifolium</i>	English holly	8.0		Good	Good	8	18.8		-			x		1246.05	205.5	17.52	11	0.94	5.1	0.34	1.7	0.74	2.02		Remove		Remove	Remove	Remove	Remove		
783	Private	<i>Acer platanoides</i>	Norway maple	9.0		Good	Good	16	30		-			x		1720.53	334.1	28.49	31.1	2.66	21.7	1.45	7.3	3.19	7.3									
784	Private	<i>Ilex aquifolium</i>	English holly	12.0		Good	Good	15	18.8		-			x		2471.36	511.5	43.62	14.9	1.27	10.7	0.72	3.6	1.58	3.56									
785	Private	<i>Acer platanoides</i>	Norway maple	9.0		Good	Good	15	30		-		x	x		1720.53	334.1	28.49	31.1	2.66	21.7	1.45	7.3	3.19	7.3									
786	Private	<i>Fraxinus pennsylvanica</i>	Green ash	12.5		Good	Fair	14	30		-		x	x		1896.07	433.6	36.98	21.5	1.84	27.8	1.86	9.3	4.1	7.79									
787	Private	<i>Ilex aquifolium</i>	English holly	17.5	7,16	Good	Good	11	18.8		-		x	x		4956.44	1201.6	102.47	5.4	0.46	21.2	1.42	7.1	3.12	5									
788	Private	<i>Prunus laurocerasus</i>	Cherry laurel	9.3	5,8,5,4,4,8	Good	Good	17	26.2		-			x		1590.52	468.8	39.98	1	0.08	12.6	0.84	4.2	1.85	2.77									
789	Private	<i>Prunus laurocerasus</i>	Cherry laurel	10.4	6,2,5,8,6	Good	Good	15	26.2		-			x		1922.42	614.7	52.42	1.1	0.1	15.9	1.06	5.3	2.34	3.5									
790	Private	<i>Prunus avium</i>	Wild cherry	11.0		Good	Good	15	29.4		-			x		2119.08	572.2	48.8	27.7	2.36	15.9	1.06	5.3	2.34	5.77									
791	Private	<i>Fraxinus pennsylvanica</i>	Green ash	35.2		Good	Good	37	30		Exceptional S			x		14267.54	3821.7	325.9	36.1	3.08	138.9	9.29	46.7	20.44	32.81									
792	Private	<i>Fraxinus pennsylvanica</i>	Green ash	35.0		Fair	Fair	39	30		Exceptional S		x	x		11827.1	3777.7	322.15	30.4	2.59	96.7	6.46	32.5	14.23	23.28									
793	Private	<i>Thuja plicata</i>	Western redcedar	16.0		Good	Fair	16	30		-		x	x		2633.29	210.1	17.91	4.8	0.41	11.8	0.79	4	1.73	2.93									
794	Private	<i>Fraxinus pennsylvanica</i>	Green ash	30.0		Good	Fair	30	30		Exceptional S		x	x		9655.78	2732.5	233.02	37.2	3.17	87.7	5.86	29.5	12.91	21.94									
795	Private	<i>Populus trichocarpa</i>	Black cottonwood	60.0		Good	Fair	25			-		x	x		15528.16	16534.7	1410	33.1	2.82	96.2	6.43	32.3	14.15	23.41									
796	Private	<i>Ilex aquifolium</i>	English holly	10.3	5,9	Good	Good	7	18.8		-		x			1890.72	362.1	30.88	15.2	1.3	7.9	0.53	2.7	1.16	2.98									
797	Private	<i>Prunus avium</i>	Wild cherry	11.0		Good	Fair	18	29.4		-		x			1888.75	572.2	48.8	24.7	2.1	12.2	0.81	4.1	1.79	4.7									
798	Private	<i>Populus trichocarpa</i>	Black cottonwood	20.0		Good	Good	18			-		x			3216.52	4321.4	368.51	154.1	13.14	65.8	4.4	22.1	9.68	27.22									
799	Private	<i>Acer platanoides</i>	Norway maple	13.0		Good	Fair	15	30		-		x			2968.08	769.6	65.63	37.7	3.22	33.1	2.21	11.1	4.87	10.3									
800	Private	<i>Fraxinus pennsylvanica</i>	Green ash	20.0		Good	Good	20	30		-					4980.53	1165.6	99.4	41.5	3.54	61.9	4.13	20.8	9.1	16.77									
801	Private	<i>Acer palmatum</i>	Japanese maple	10.0		Good	Good	12	12		-					1617.86	331	28.23	4.8	0.41	15.1	1.01	5.1	2.22	3.64									
802	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	16.6	7,5,6,7,6,5,5,5,5,4,9	Good	Poor	18	30		-		x			3874.25	1360.8	116.04	28.8	2.46	43.5	2.91	14.6	6.4	11.76	0								
803	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	13.7		Good	Fair	20	30		-		x			2884.37	850	72.48	31.5	2.69	38.6	2.58	13	5.68	10.95	0								
804	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	13.1	5,8,6,5,8,5,9,5,7	Fair	Poor	14	30		-		x			2009.09	761.6	64.94	23.7	2.02	19.5	1.3	6.6	2.87	6.19	0								
805	ROW	<i>Crataegus monogyna</i>	Common hawthorn	12.2	6,5,5,4,6,6,5	Good	Fair	11	16.2		-					2268.81	768.2	65.51	0.6	0.05	6.8	0.45	2.3	1	1.5	0								
806	ROW	<i>Acer platanoides</i>	Norway maple	12.5		Good	Good	12	30		-					3096.85	703.8	60.02	42	3.58	39.1	2.62	13.1	5.76	11.96	0								
807	ROW	<i>Acer platanoides</i>	Norway maple	9.9		Good	Good	11	30		-					2031.64	414.5	35.35	35.1	3	26.2	1.75	8.8	3.86	8.61	0								
808	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	18.0		Good	Good	17	27		-					6779.53	836.9	71.37	43.2	3.69	61.7	4.12	20.7	9.08	16.89	0								
809	ROW	<i>Acer platanoides</i>	Norway maple	11.3		Good	Fair	12	30		-					2294.65	559.6	47.72	36	3.07	25.7	1.72	8.6	3.79	8.58	0								



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking			
810	ROW	<i>Acer platanoides</i>	Norway maple	8.2		Good	Fair	12	30		-					1309.2	270.7	23.08	24.6	2.1	13.8	0.92	4.6	2.02	5.04	0										
811	ROW	<i>Betula pendula</i>	European white birch	18.1		Good	Good	18	24		-					5583.53	1697.6	144.76	87.4	7.45	41.9	2.8	14.1	6.16	16.41	0						Remove				
812	Private	<i>Pyrus calleryana</i>	Callery pear	7.0		Good	Good	11	13		-					1016.3	169.1	14.42	17.3	1.47	5.9	0.39	2	0.87	2.74											
813	Private	<i>Liquidambar styraciflua</i>	American sweetgum	9.9		Good	Good	10	27		-					2205.29	191.5	16.33	18.1	1.54	20.3	1.36	6.8	2.99	5.89							Remove				
814	Private	<i>Liquidambar styraciflua</i>	American sweetgum	7.9		Good	Good	11	27		-					1484.72	110.2	9.4	13	1.11	12	0.8	4	1.77	3.68								Remove			
815	Private	<i>Liquidambar styraciflua</i>	American sweetgum	9.9		Good	Good	14	27		-					2205.29	191.5	16.33	18.1	1.54	20.3	1.36	6.8	2.99	5.89								Remove			
816	Private	<i>Pyrus calleryana</i>	Callery pear	7.0		Good	Good	10	13		-					1016.3	169.1	14.42	17.3	1.47	5.9	0.39	2	0.87	2.74									Remove		
817	Private	<i>Pyrus calleryana</i>	Callery pear	6.6		Good	Good	8	13		-					932.98	146.4	12.48	15.9	1.36	5.1	0.34	1.7	0.76	2.46									Remove		
818	Private	<i>Pyrus calleryana</i>	Callery pear	8.3		Good	Good	10	13		-					1320.95	256.5	21.87	22	1.88	8.8	0.59	2.9	1.29	3.76		Remove							Remove		
819	Private	<i>Liquidambar styraciflua</i>	American sweetgum	8.4		Good	Good	9	27		-					1649.68	128	10.92	14.3	1.22	13.8	0.92	4.6	2.03	4.17		Remove			Remove	Remove	Remove	Remove	Remove		
820	Private	<i>Liquidambar styraciflua</i>	American sweetgum	7.5		Good	Good	10	27		-					1360.03	97.1	8.28	12.1	1.03	10.5	0.7	3.5	1.55	3.28		Remove			Remove	Remove	Remove	Remove	Remove		
821	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	8.0		Good	Good	9	27		-					1516.9	113.6	9.69	13.3	1.13	12.3	0.82	4.1	1.81	3.77	0	Remove			Remove	Remove	Remove	Remove	Remove	Remove	
822	ROW	<i>Acer platanoides</i>	Norway maple	8.5		Good	Fair	10	30		-					1390.87	293.6	25.04	25.7	2.2	14.8	0.99	5	2.17	5.36	0									Remove	
823	ROW	<i>Acer platanoides</i>	Norway maple	7.7		Good	Fair	7	30		-					1179.6	234.8	20.02	22.7	1.94	12.1	0.81	4.1	1.78	4.52	0										
824	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	6.1		Good	Good	9	27		-					974.65	58.8	5.01	9	0.77	6.5	0.44	2.2	0.96	2.17	0	Remove							Remove	Remove	
825	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	7.0		Good	Good	7	27		-					1213.29	82.1	7	11	0.94	9	0.6	3	1.33	2.86	0	Remove			Remove	Remove	Remove	Remove	Remove	Remove	Remove
826	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	6.7		Good	Good	8	27		-					1130.1	73.8	6.29	10.3	0.88	8.2	0.55	2.7	1.2	2.63	0	Remove			Remove	Remove	Remove	Remove	Remove	Remove	
827	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	10.4		Good	Good	11	27		-					2410.74	216.1	18.43	19.4	1.66	22.7	1.52	7.6	3.34	6.51	0	Remove			Remove	Remove	Remove	Remove	Remove	Remove	
828	ROW	<i>Liquidambar styraciflua</i>	American sweetgum	7.2		Good	Good	7	27		-					1270.77	87.9	7.49	11.4	0.97	9.6	0.64	3.2	1.41	3.03	0	Remove			Remove	Remove	Remove	Remove	Remove	Remove	
829	Private	<i>Acer palmatum</i>	Japanese maple	10.0		Good	Fair	10	12		-					1442.01	331	28.23	4.3	0.37	11.5	0.77	3.8	1.69	2.82		Remove			Remove	Remove	Remove	Remove	Remove	Remove	
830	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	11.0		Good	Good	7	30		-					1213.25	416.8	35.54	21	1.79	7.6	0.51	2.6	1.12	3.42		Remove			Remove	Remove	Remove	Remove	Remove	Remove	
831	ROW	<i>Acer platanoides</i>	Norway maple	17.6		Good	Good	19	30		-					5904.54	1533.6	130.78	41.9	3.58	57.8	3.86	19.4	8.51	15.95	0										
832	Private	<i>Sequoiadendron giganteum</i>	Giant sequoia	93.4		Good	Good	25	30		Exceptional S					46711.42	16534.7	1410	33.1	2.82	94.8	6.33	31.8	13.94	23.09								Remove	Remove		
833	Private	<i>Liquidambar styraciflua</i>	American sweetgum	8.4		Good	Good	9	27		-					1649.68	128	10.92	14.3	1.22	13.8	0.92	4.6	2.03	4.17									Remove		
834	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	13.5	10.5,8.5	Good	Good	6	30		-					1847.73	638.5	54.45	26.2	2.23	12.2	0.82	4.1	1.8	4.85											
835	ROW	<i>Acer platanoides</i>	Norway maple	17.0		Good	Good	17	30		-					5524.84	1417.5	120.87	42.3	3.61	56.5	3.77	19	8.31	15.69	0										
836	ROW	<i>Acer platanoides</i>	Norway maple	19.4		Good	Good	17	30		-					7122.65	1915.3	163.32	39	3.33	60.7	4.05	20.4	8.92	16.31	0										
837	Private	<i>Chamaecyparis lawsoniana</i>	Lawson cypress	12.7		Good	Good	8	30		-					1630.61	562.1	47.93	24.5	2.09	10.6	0.71	3.6	1.56	4.36											
838	ROW	<i>Acer platanoides</i>	Norway maple	11.1		Good	Good	13	30		-					2492.55	537.5	45.84	40.1	3.42	32.3	2.16	10.9	4.75	10.34	0										
839	ROW	<i>Acer platanoides</i>	Norway maple	13.4		Good	Good	18	30		-					3523.19	824.5	70.31	42.7	3.64	43.6	2.91	14.6	6.41	12.96	0										
840	ROW	<i>Acer platanoides</i>	Norway maple	16.6		Good	Good	19	30		-					5279.02	1342.2	114.45	42.8	3.65	55.3	3.7	18.6	8.14	15.49	0										
841	ROW	<i>Acer campestre</i>	Hedge maple	10.4		Good	Good	18	22.2		-					1726.74	485.5	41.4	0.5	0.04	29	1.94	9.7	4.26	6.24	16495										
842	ROW	<i>Acer campestre</i>	Hedge maple	11.2		Good	Fair	15	22.2		-					1744.55	574.8	49.01	0.4	0.04	25.9	1.73	8.7	3.81	5.58	16494										
843	ROW	<i>Acer campestre</i>	Hedge maple	9.4		Good	Fair	15	22.2		-					1303.57	385.6	32.88	0.4	0.03	18.2	1.22	6.1	2.68	3.93	16493										
844	ROW	<i>Acer campestre</i>	Hedge maple	13.4		Good	Fair	15	22.2		-					2388.18	865.3	73.79	0.6	0.05	35.3	2.36	11.9	5.2	7.61	16492										
845	ROW	<i>Acer campestre</i>	Hedge maple	8.8		Good	Fair	12	22.2		-					1173.71	332	28.31	0.3	0.03	15.9	1.06	5.3	2.34	3.43	16491										
846	ROW	<i>Acer campestre</i>	Hedge maple	8.5		Good	Fair	14	22.2		-					1111.98	306.8	26.16	0.3	0.03	14.8	0.99	5	2.18	3.2	16490										
847	ROW	<i>Acer campestre</i>	Hedge maple	14.0		Good	Fair	16	22.2		-					2583.7	956	81.52	0.6	0.05	37.7	2.52	12.7	5.55	8.13	16488										
848	Private	<i>Umbellularia californica</i>	California laurel	12.0		Good	Good	10	30		-					2471.36	786.1	67.03	44.7	3.81	22.8	1.53	7.7	3.36	8.7		Remove			Remove	Remove	Remove	Remove	Remove	Remove	
849	Private	<i>Ficus carica</i>	Common fig	10.7	6,7,5.5	Good	Good	10	17.2		-					2019.37	505.1	43.07	5.3	0.46	21	1.4	7	3.08	4.94		Remove			Remove	Remove	Remove	Remove	Remove	Remove	
850	Private	<i>Betula pendula</i>	European white birch	7.0		Good	Good	12	24		-					1053.96	162.3	13.84	22	1.88	9.9	0.66	3.3	1.45	3.99		Remove			Remove	Remove	Remove	Remove	Remove	Remove	



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking		
851	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	16.0		Good	Good	15	30		-					2954.43	496.4	42.33	18.2	1.55	27.6	1.85	9.3	4.07	7.47		Remove		Remove	Remove	Remove	Remove			
852	Private	<i>Tilia cordata</i>	Littleleaf linden	10.8		Good	Good	12	30		-					2451.13	357.3	30.47	22.6	1.93	21.5	1.44	7.2	3.16	6.52		Remove		Remove	Remove	Remove	Remove			
853	Private	<i>Betula pendula</i>	European white birch	9.0		Good	Good	14	24		-					1574.21	301.7	25.73	31.6	2.69	15	1.01	5.1	2.21	5.91		Remove		Remove	Remove	Remove	Remove			
854	Private	<i>Tilia cordata</i>	Littleleaf linden	9.7		Good	Good	12	30		-					2022.19	277.4	23.65	19.6	1.67	17.1	1.14	5.7	2.52	5.33										
855	ROW	<i>Juniperus chinensis</i>	Chinese juniper	10.2		Good	Good	7	7.4		-					679.03	465.4	39.69	33.3	2.84	16.9	1.13	5.7	2.49	6.47	0	Remove		Remove	Remove	Remove	Remove	Remove		
856	ROW	<i>Juniperus chinensis</i>	Chinese juniper	7.5		Good	Good	5	7.4		-					378.6	231.4	19.73	22.9	1.95	8	0.53	2.7	1.18	3.66	0	Remove		Remove	Remove	Remove	Remove	Remove		
857	ROW	<i>Juniperus chinensis</i>	Chinese juniper	7.3		Good	Good	5	7.4		-					360	217.5	18.55	22.2	1.89	7.5	0.5	2.5	1.1	3.49	0	Remove		Remove	Remove	Remove	Remove	Remove		
858	ROW	<i>Prunus serrulata</i>	Flowering cherry	11.3		Fair	Fair	10	23		-					1859.34	728	62.08	0.8	0.07	8.8	0.59	3	1.3	1.96	0	Remove		Remove	Remove	Remove	Remove	Remove		
859	ROW	<i>Prunus serrulata</i>	Flowering cherry	7.8		Good	Fair	12	23		-					1067.47	295.2	25.17	0.5	0.04	4.8	0.32	1.6	0.7	1.07	0	Remove		Remove	Remove	Remove	Remove	Remove		
860	Private	<i>Arbutus unedo</i>	Strawberry tree	8.1	5,4,8,4,1	Good	Good	15	10.2		-					1270.71	316.7	27.01	0.4	0.03	7.8	0.52	2.6	1.15	1.71		Remove		Remove	Remove	Remove	Remove	Remove		
861	Private	<i>Juniperus chinensis</i>	Chinese juniper	12.5		Good	Good	11	7.4		Exceptional S					1007.24	734.4	62.62	42.8	3.65	26.7	1.78	9	3.92	9.35		Remove		Remove	Remove	Remove	Remove	Remove		
862	ROW	<i>Sorbus aria</i>	White Beam	8.0	6,4,4,8	Good	Fair	10	12.5		-					1110.61	250	21.32	0.4	0.04	6	0.4	2	0.89	1.33	0									
863	Private	<i>Picea omorika</i>	Serbian spruce	20.0		Fair	Fair	12	8.7		Exceptional S					2706.33	4049.1	345.29	64.9	5.54	45.1	3.02	15.2	6.64	15.2										
864	Private	<i>Acer rubrum</i>	Red maple	9.9		Good	Fair	8	25		-					1327.13	395.9	33.76	32.4	2.76	20.5	1.37	6.9	3.02	7.15										
865	Private	<i>Ficus carica</i>	Common fig	10.0		Good	Good	7	17.2		-					1797.44	428.9	36.57	8.3	0.71	19	1.27	6.4	2.79	4.77										
866	ROW	<i>Thuja plicata</i>	Western redcedar	33.1		Good	Good	14	30		-					12540.3	1626.9	138.74	21.6	1.84	44.9	3	15.1	6.61	11.46	0									
867	ROW	<i>Chamaecyparis pisifera</i>	Sawara cypress	19.6		Fair	Fair		26.9		-					3296.99	3384.9	288.65	57.1	4.87	17	1.14	5.7	2.5	8.51	0									
868	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	19.1		Good	Fair	8	26.9		-					3332.43	3233.2	275.71	59.1	5.04	19.1	1.28	6.4	2.82	9.14										
869	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	25.0		Good	Good	14	26.9		-					6434.07	5735.9	489.13	84.1	7.17	40.6	2.71	13.6	5.97	15.85										
870	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	20.8		Good	Good	12	26.9		-					4441.46	3923.9	334.61	72.9	6.22	30.1	2.01	10.1	4.43	12.66										
871	ROW	<i>Chamaecyparis pisifera</i>	Sawara cypress	22.7		Good	Poor	11	26.9		-					4433.87	4596.3	391.95	67.2	5.73	22.5	1.51	7.6	3.32	10.55	0									
872	ROW	<i>Araucaria araucana</i>	Monkey puzzle tree	22.0		Good	Good	12	22		-	remove rope				4973.49	1950.6	166.34	28.9	2.46	52	3.48	17.5	7.66	13.59	0	Remove		Remove	Remove	Remove	Remove	Remove		
873	ROW	<i>Cedrus deodara</i>	Deodar cedar	25.0		Good	Fair	14	30		-					8216.01	2457.4	209.55	61.9	5.27	24.2	1.62	8.1	3.56	10.45	0	Remove		Remove	Remove	Remove	Remove	Remove		
874	Private	<i>Acer palmatum</i>	Japanese maple	9.0		Good	Good	15	12		-					1364.34	260.1	22.18	5.8	0.5	11.8	0.79	3.9	1.73	3.01		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
875	ROW	<i>Cercidiphyllum japonicum</i>	Katsura tree	17.8		Good	Fair	11	30		-					6047.28	761	64.9	0.6	0.05	49.5	3.31	16.6	7.29	10.65	0									
876	Private	<i>Juglans regia</i>	English walnut	15.0		Good	Good	23	28.8		-					3300.78	647.3	55.2	22.6	1.92	44.2	2.96	14.9	6.51	11.39		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
877	Private	<i>Fraxinus pennsylvanica</i>	Green ash	18.0		Good	Fair	20	30		-					3646.24	933.4	79.59	32.7	2.79	48.2	3.22	16.2	7.09	13.09		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
878	Private	<i>Pinus sylvestris</i>	Scots pine	19.7		Good	Fair	18	24		-					2717.97	1084.9	92.51	37.8	3.22	35.6	2.38	11.9	5.23	10.83										
879	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	18.0		Good	Good	14	30		-					3755.93	665.5	56.75	21.9	1.87	34.5	2.31	11.6	5.08	9.26										
880	ROW	<i>Acer platanoides</i>	Norway maple	15.4		Good	Fair	13	30		-					4079.22	1131.4	96.48	38.5	3.29	42.4	2.83	14.2	6.23	12.35	0									
881	ROW	<i>Acer platanoides</i>	Norway maple	16.3		Good	Fair	14	30		-					4544.32	1287.5	109.8	38.3	3.27	45.3	3.03	15.2	6.66	12.96	0									
882	ROW	<i>Acer platanoides</i>	Norway maple	12.8		Good	Fair	15	30		-					2883.96	743	63.36	37.6	3.2	32.2	2.16	10.8	4.74	10.1	0									
883	ROW	<i>Acer platanoides</i>	Norway maple	13.2		Good	Fair	16	30		-					3053.5	796.8	67.95	37.9	3.23	33.8	2.26	11.4	4.97	10.46	0									
884	ROW	<i>Acer platanoides</i>	Norway maple	12.0		Good	Fair	12	30		-					2560.53	641.4	54.7	36.9	3.15	28.8	1.92	9.7	4.23	9.31	0									
885	ROW	<i>Acer platanoides</i>	Norway maple	12.1		Good	Fair	14	30		-					2599.82	653.8	55.75	36.9	3.15	29.1	1.95	9.8	4.29	9.38	0									
886	Private	<i>Chamaecyparis pisifera</i>	Sawara cypress	27.0		Good	Fair	12	26.9		Exceptional S					6694.93	6626.9	565.11	74.3	6.34	34.1	2.28	11.5	5.02	13.63										
887	Private	<i>Crataegus laevigata</i>	English hawthorn	23.9	15.2,18.5	Good	Fair	14	16		Exceptional S					8034.81	3533.6	301.33	2	0.17	11.3	0.76	3.8	1.67	2.6		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
888	Private	<i>Malus domestica</i>	Apple	11.4		Good	Fair	9	20		-					2011.07	567	48.35	31.4	2.67	8.9	0.6	3	1.31	4.58		Remove		Remove	Remove	Remove	Remove	Remove	Remove	
889	Private	<i>Albizia julibrissin</i>	Silk tree	17.0		Good	Fair	25	0		Exceptional S					4182.21	750.6	64	0.8	0.07	33.7	2.25	11.3	4.96	7.29									Remove	
890	ROW	<i>Cercidiphyllum japonicum</i>	Katsura tree	6.3		Good	Good	8	30		-					1039.81	59.4	5.06	4.1	0.35	6.9	0.46	2.3	1.01	1.82	0									
891	ROW	<i>Acer rubrum</i>	Red maple	20.2		Good	Fair	24	25		-					4696.52	2206.4	188.15	26.6	2.27	63.8	4.26	21.4	9.38	15.91	0									
892	ROW	<i>Acer rubrum</i>	Red maple	17.2		Good	Fair	19	25		-					3477.14	1496.3	127.6	36.3	3.09	49.1	3.28	16.5	7.22	13.6	0									
893	ROW	<i>Acer rubrum</i>	Red maple	19.0		Good	Fair	24	25		-					4185.29	1902.9	162.27	31.2	2.66	57.7	3.85	19.4	8.48	15	0									



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Arborist: TB / JP
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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking	
945	Private	Magnolia grandiflora	Southern magnolia	20.6	13.4,15.6	Good	Good	20	16		Exceptional S					5772.14	2027.7	172.91	64.8	5.52	62.4	4.17	21	9.19	18.88		Remove		Remove	Remove	Remove	Remove		
946	ROW	Gleditsia triacanthos	Honeylocust	13.3		Fair	Fair	13	20		-					1879.86	476	40.59	27.4	2.33	20.2	1.35	6.8	2.97	6.66	16453								
947	Private	Prunus serrulata	Flowering cherry	15.5	7.4,6.8,10.5,5.5	Good	Fair	17	23		-					3516.69	1571.7	134.02	1.4	0.12	17.9	1.2	6	2.63	3.95		Remove		Remove	Remove	Remove	Remove		
948	ROW	Carpinus betulus	European hornbeam	14.5		Good	Good	11	16		-					3486.07	1008.5	86	26.9	2.29	46.1	3.08	15.5	6.79	12.16	0								
949	Private	Trachycarpus fortunei	Windmill Fan Palm	9.0		Good	Good	7			-					189.75	86.9	7.41	-18.6	-1.59	0.8	0.06	0.3	0.12	-1.41		Remove		Remove	Remove	Remove	Remove		
950	ROW	Gleditsia triacanthos	Honeylocust	12.5		Good	Fair	15	20		-					1800.05	409.6	34.93	26.7	2.27	21.2	1.42	7.1	3.12	6.81	16455								
951	Private	Trachycarpus fortunei	Windmill Fan Palm	9.0		Good	Good	6			-					189.75	86.9	7.41	-18.6	-1.59	0.8	0.06	0.3	0.12	-1.41		Remove		Remove	Remove	Remove	Remove		
952	Private	Trachycarpus fortunei	Windmill Fan Palm	8.5		Good	Good	4			-					189.75	78.9	6.72	-16.8	-1.43	0.8	0.05	0.3	0.11	-1.27		Remove		Remove	Remove	Remove	Remove		
953	ROW	Carpinus betulus	European hornbeam	16.5		Good	Good	10	16		-					4435.68	1359.7	115.95	26.8	2.29	50.1	3.35	16.8	7.37	13.01	0								
954	ROW	Acer rubrum	Red maple	19.0		Fair	Fair	18	25		-					3930.09	1902.9	162.27	29.3	2.5	50.9	3.4	17.1	7.49	13.4	16462								
955	Private	Prunus serrulata	Flowering cherry	15.1		Good	Fair	12	23		-					3349.6	1474.7	125.76	1.3	0.11	17.1	1.15	5.8	2.52	3.78									
956	Private	Prunus serrulata	Flowering cherry	15.1		Good	Fair	10	23		-					3349.6	1474.7	125.76	1.3	0.11	17.1	1.15	5.8	2.52	3.78									
957	ROW	Acer rubrum	Red maple	17.0		Good	Fair	20	25		-					3402.8	1454.7	124.05	36.6	3.12	48.2	3.22	16.2	7.09	13.43	16460								
958	ROW	Acer rubrum	Red maple	16.6		Good	Fair	21	25		-					3256.73	1373.4	117.12	37.4	3.19	46.4	3.1	15.6	6.82	13.11	16459								
959	ROW	Acer rubrum	Red maple	19.1		Good	Fair	16	25		-					4226.7	1927.2	164.34	30.9	2.64	58.1	3.88	19.5	8.54	15.06	16458								
960	ROW	Acer rubrum	Red maple	18.3		Good	Fair	25	25		-					3901.53	1738	148.21	33.3	2.84	54.4	3.64	18.3	8	14.48	16457								
961	ROW	Acer rubrum	Red maple	18.7		Good	Fair	18	25		-					4062.38	1831.2	156.15	32.1	2.73	56.3	3.77	18.9	8.29	14.79	16463								
962	ROW	Acer rubrum	Red maple	16.8		Good	Fair	21	25		-					3329.33	1413.7	120.56	37.1	3.16	47.3	3.16	15.9	6.95	13.28	16464								
963	Private	Prunus serrulata	Flowering cherry	12.2		Good	Good	11	23		-					2545.49	877.3	74.81	1.1	0.09	15.5	1.04	5.2	2.28	3.41									
964	Private	Prunus serrulata	Flowering cherry	9.0		Fair	Fair	12	23		-					1260.82	418.2	35.67	0.6	0.05	5.6	0.37	1.9	0.82	1.24									
965	Private	Prunus serrulata	Flowering cherry	8.6		Good	Good	12	23		-					1398.6	374.4	31.93	0.7	0.06	7.8	0.52	2.6	1.15	1.72									
966	Private	Prunus serrulata	Flowering cherry	15.6		Good	Fair	16	23		-					3559.15	1596.5	136.14	1.4	0.12	18.1	1.21	6.1	2.66	3.99									
967	Private	Prunus serrulata	Flowering cherry	8.1		Fair	Fair	9	23		-					1063.53	323.6	27.59	0.5	0.04	4.5	0.3	1.5	0.66	1									
968	Private	Prunus serrulata	Flowering cherry	9.1		Good	Fair	10	23		-					1367.4	429.6	36.64	0.6	0.06	6.6	0.44	2.2	0.97	1.47									
969	Private	Prunus serrulata	Flowering cherry	8.3		Good	Fair	9	23		-					1177.37	343.4	29.28	0.6	0.05	5.5	0.37	1.8	0.81	1.22									
970	ROW	Pinus strobus	Eastern white pine	16.5		Good	Fair	11	30		-					2265.59	593.8	50.64	27.9	2.38	33.7	2.25	11.3	4.96	9.6	0								
971	ROW	Pinus strobus	Eastern white pine	14.3		Good	Fair	14	30		-					1696.1	420.7	35.87	22.8	1.95	25	1.67	8.4	3.68	7.31	0								
972	ROW	Pinus strobus	Eastern white pine	18.9		Good	Fair	15	30		-			x		2979.65	822.1	70.1	33.8	2.89	42.6	2.85	14.3	6.27	12.01	0								
973	ROW	Pinus strobus	Eastern white pine	17.9		Good	Fair	12	30		-			x		2670.36	721.8	61.55	31.4	2.67	39	2.6	13.1	5.73	11.01	0								
974	ROW	Pinus strobus	Eastern white pine	15.6		Good	Good	14	30		-			x		2269.47	525.5	44.82	29	2.48	38.9	2.6	13.1	5.72	10.8	0								
975	ROW	Pinus strobus	Eastern white pine	20.9		Good	Good	14	30		-			x		4093.6	1055	89.97	43.8	3.74	62.3	4.16	20.9	9.16	17.07	0								
976	ROW	Prunus serrulata	Flowering cherry	12.7		Good	Fair	13	23		-			x		2438.77	967.5	82.5	1	0.09	12.8	0.86	4.3	1.89	2.84	0								
977	ROW	Prunus serrulata	Flowering cherry	8.1		Good	Fair	11	23		-			x		1132.59	323.6	27.59	0.5	0.05	5.2	0.34	1.7	0.76	1.15	0								
978	ROW	Prunus serrulata	Flowering cherry	10.6		Good	Fair	17	23		-			x		1770.8	623	53.13	0.8	0.07	9.1	0.61	3.1	1.34	2.01	0								
979	Private	Chamaecyparis obtusa	Hinoki cypress	6.2		Good	Good	9	16.4		-			x		358.03	157.4	13.42	9.7	0.83	2.3	0.15	0.8	0.33	1.31									
980	Private	Arbutus unedo	Strawberry tree	8.1	5,3,5,4,3,5	Good	Good		10.2		-			x		1270.71	316.7	27.01	0.4	0.03	7.8	0.52	2.6	1.15	1.71									
981	Private	Arbutus unedo	Strawberry tree	11.5	10.1,4,5,3	Good	Good	12	10.2		Exceptional S			x		2291.39	729.1	62.17	0.7	0.06	8.8	0.59	3	1.3	1.95									
982	Private	Styrax japonicus	Japanese snowbell	6.8		Good	Fair	8	12		-			x		868.16	150.4	12.83	0.2	0.02	6.4	0.43	2.2	0.95	1.39									
983	Private	Styrax japonicus	Japanese snowbell	6.0		Good	Good	10	12		-			x		817.19	108.1	9.21	1.6	0.14	6.4	0.43	2.1	0.94	1.51									
984	Private	Styrax japonicus	Japanese snowbell	9.4		Good	Good	9	12		-			x		1619.16	354.3	30.21	0.4	0.04	17.8	1.19	6	2.62	3.84									
985	ROW	Prunus serrulata	Flowering cherry	7.7		Good	Fair	10	23		-			x		1046.31	286	24.39	0.5	0.04	4.6	0.31	1.6	0.68	1.03	0								



Table of Trees
Seattle Pacific University, Seattle, WA

Arborist: TB / JP
Date of Inventory: Spring 2021
Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
986	ROW	<i>Prunus serrulata</i>	Flowering cherry	9.2		Good	Fair	12	23		-			x		1392.38	441.2	37.63	0.7	0.06	6.7	0.45	2.3	0.99	1.5	0							
987	ROW	<i>Prunus serrulata</i>	Flowering cherry	7.2		Good	Fair	12	23		-			x		944.61	242.9	20.71	0.5	0.04	4	0.27	1.4	0.59	0.9	0							
988	ROW	<i>Prunus serrulata</i>	Flowering cherry	6.3		Fair	Fair	12	23		-			x		731.26	175.5	14.96	0.4	0.03	2.6	0.18	0.9	0.39	0.6	0							
989	ROW	<i>Prunus serrulata</i>	Flowering cherry	13.4		Good	Fair	15	23		-			x		2688.18	1102.5	94.02	1.1	0.1	14.1	0.94	4.7	2.08	3.12	0							
990	ROW	<i>Prunus serrulata</i>	Flowering cherry	10.5		Good	Fair	14	23		-			x		1741.99	608.8	51.91	0.8	0.07	8.9	0.6	3	1.31	1.97	0							
991	ROW	<i>Prunus serrulata</i>	Flowering cherry	8.3		Good	Good	11	23		-			x		1320.95	343.4	29.28	0.6	0.05	7.2	0.48	2.4	1.06	1.6	0							
992	ROW	<i>Prunus serrulata</i>	Flowering cherry	7.3		Fair	Poor	10	23		-			x		729.18	251.2	21.42	0.4	0.03	2.1	0.14	0.7	0.31	0.49	0							
993	Private	<i>Acer rubrum</i>	Red maple	12.2		Good	Good	15	25		-			x		2108.76	653.9	55.76	44.6	3.8	38.1	2.55	12.8	5.6	11.95								
994	Private	<i>Acer rubrum</i>	Red maple	11.5		Good	Good	15	25		-					1906.48	567.3	48.38	43.7	3.73	34.7	2.32	11.7	5.11	11.15								
995	Private	<i>Acer rubrum</i>	Red maple	18.7		Good	Fair	16	25		-					4062.38	1831.2	156.15	32.1	2.73	56.3	3.77	18.9	8.29	14.79								
996	ROW	<i>Acer rubrum</i>	Red maple	11.4		Fair	Fair	16	25		-			x		1572.27	555.5	47.37	36.4	3.1	23.3	1.56	7.8	3.43	8.09	16431							
997	ROW	<i>Acer rubrum</i>	Red maple	14.4		Good	Fair	22	25		-			x		2515.54	974.7	83.12	39.9	3.4	39	2.61	13.1	5.74	11.74	16432							
998	Private	<i>Acer palmatum</i>	Japanese maple	10.7	5,5,6,5,5,8	Good	Fair	12	12		-			x		1614.33	386.5	32.96	3.6	0.3	13.4	0.9	4.5	1.97	3.17		Remove		Remove	Remove	Remove	Remove	Remove
999	Private	<i>Acer palmatum</i>	Japanese maple	11.1	5,3,4,1,4,4,4,2,3,3,4,3,8	Good	Fair	12	12		-					1718.03	420.4	35.85	3.1	0.26	14.6	0.97	4.9	2.14	3.38		Remove		Remove	Remove	Remove	Remove	Remove
1000	ROW	<i>Acer rubrum</i>	Red maple	11.7		Good	Fair	18	25		-					1749.68	591.3	50.42	39.1	3.34	28.1	1.88	9.4	4.14	9.36	16433							
1001	ROW	<i>Acer rubrum</i>	Red maple	17.0		Fair	Fair	20	25		-					3195.31	1454.7	124.05	34.3	2.93	43.1	2.88	14.5	6.34	12.14	16436							
1002	ROW	<i>Acer rubrum</i>	Red maple	24.1		Good	Fair	25	25		-					6574.18	3380.3	288.26	5.1	0.44	84.2	5.63	28.3	12.39	18.46	16437							
1003	ROW	<i>Acer rubrum</i>	Red maple	18.7		Good	Fair	18	25		-					4062.38	1831.2	156.15	32.1	2.73	56.3	3.77	18.9	8.29	14.79	16438							
1004	ROW	<i>Acer rubrum</i>	Red maple	30.3		Good	Fair	28	25		-					10020.58	5873.8	500.89	3.4	0.29	116.4	7.78	39.1	17.12	25.2	16439							
1005	Private	<i>Prunus cerasifera</i> 'Thundercloud'	Thundercloud plum	18.7	10,5,11,4,8,2,6,5	Good	Fair	22	12.4		Exceptional S					5010.72	2482.3	211.68	1.8	0.16	31.7	2.12	10.7	4.67	6.95		Remove		Remove	Remove	Remove	Remove	Remove
1006	Private	<i>Prunus cerasifera</i> 'Thundercloud'	Thundercloud plum	16.9	10,9,12,9	Good	Fair	18	12.4		Exceptional S					4135.93	1940.1	165.44	1.6	0.13	28	1.87	9.4	4.12	6.13		Remove		Remove	Remove	Remove	Remove	Remove
1007	Private	<i>Prunus cerasifera</i> 'Thundercloud'	Thundercloud plum	17.9	5,7,4,13,2,8,2	Good	Fair	15	12.4		Exceptional S					4611	2231.6	190.3	1.7	0.15	30.3	2.02	10.2	4.45	6.62		Remove		Remove	Remove	Remove	Remove	Remove
1008	Private	<i>Tsuga heterophylla</i>	Western hemlock	8.2		Good	Good	13	24		-					729.54	88.3	7.53	4.5	0.38	7.8	0.52	2.6	1.14	2.05								Remove
1009	Private	<i>Tsuga heterophylla</i>	Western hemlock	9.9		Good	Good	12	24		-					1092.22	148.6	12.67	6.3	0.54	12.7	0.85	4.3	1.86	3.25								Remove
1010	Private	<i>Thuja plicata</i>	Western redcedar	8.2		Fair	Good		30		-					650.24	33	2.81	1.4	0.12	2.4	0.16	0.8	0.35	0.63								Remove
1011	Private	<i>Quercus alba</i>	White oak	29.5		Good	Good	22	15.5		Exceptional S					15105.73	5498.3	468.87	49.7	4.24	115.9	7.75	38.9	17.05	29.03		Remove		Remove	Remove	Remove	Remove	Remove
1012	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	19.4		Good	Fair	18	30		-					5549.96	1996.4	170.25	26.3	2.24	55.1	3.68	18.5	8.1	14.02		Remove		Remove	Remove	Remove	Remove	Remove
1013	Private	<i>Arbutus menziesii</i>	Pacific madrone	15.8	12,8,9,2	Good	Good	14	6		Exceptional S					4089.38	1370.1	116.83	1.3	0.11	9.9	0.66	3.3	1.46	2.23		Remove		Remove	Remove	Remove	Remove	Remove
1014	ROW	<i>Acer rubrum</i>	Red maple	9.3		Good	Fair	10	25		-					1201.93	340.8	29.07	29.7	2.53	18.3	1.22	6.1	2.69	6.44	16441							
1015	ROW	<i>Acer rubrum</i>	Red maple	9.3		Good	Fair	11	25		-					1201.93	340.8	29.07	29.7	2.53	18.3	1.22	6.1	2.69	6.44	16442							
1016	ROW	<i>Acer rubrum</i>	Red maple	15.5		Fair	Fair	24	25		-					2697.81	1164	99.26	36.7	3.13	38.5	2.57	12.9	5.66	11.36	16443							
1017	ROW	<i>Acer rubrum</i>	Red maple	17.0		Good	Fair	24	25		-					3402.8	1454.7	124.05	36.6	3.12	48.2	3.22	16.2	7.09	13.43	16444							
1018	ROW	<i>Acer rubrum</i>	Red maple	12.4		Good	Fair	13	25		-					1933.02	680	57.99	39.8	3.39	31	2.07	10.4	4.56	10.03	16445							
1019	Private	<i>Tsuga mertensiana</i>	Mountain hemlock	10.3		Good	Good	9	10.8		-					1187.46	218.2	18.61	9.2	0.78	14	0.94	4.7	2.06	3.78		Remove		Remove	Remove	Remove	Remove	Remove
1020	Private	<i>Ilex aquifolium</i>	English holly	12.4	6,3,9,5,5	Good	Good	8	18.8		-					2620.85	551.2	47	14.5	1.23	11.6	0.77	3.9	1.7	3.71		Remove		Remove	Remove	Remove	Remove	Remove
1021	Private	<i>Tsuga mertensiana</i>	Mountain hemlock	9.7		Good	Good	8	10.8		-					1046.02	187.8	16.01	8.4	0.71	11.9	0.8	4	1.75	3.26		Remove		Remove	Remove	Remove	Remove	Remove
1022	Private	<i>Prunus serrulata</i>	Flowering cherry	16.7		Good	Good	13	23		-					4537.38	1884.6	160.71	1.7	0.15	25	1.67	8.4	3.68	5.5		Remove		Remove	Remove	Remove	Remove	Remove
1023	Private	<i>Crataegus laevigata</i>	English hawthorn	13.7		Good	Fair	15	16		-					2799.17	903.9	77.08	0.9	0.08	6.1	0.41	2.1	0.9	1.39		Remove		Remove	Remove	Remove	Remove	Remove
1024	Private	<i>Fraxinus pennsylvanica</i>	Green ash	10.6		Good	Good	13	30		-					1613.54	306.9	26.17	20.1	1.71	26.8	1.79	9	3.95	7.45		Remove		Remove	Remove	Remove	Remove	Remove
1025	-	<i>Salix babylonica</i> 'Pendula'	Weeping willow	32.2	28,16	Removed	Removed	35	24		-	Lost two trunks (20.1,11.7) due to white rot on June 3, 2021 Removed shortly after				12119.72	16534.7	1410	33.1	2.82	92.5	6.19	31.1	13.61	22.62								
1026	Private	<i>Acer palmatum</i>	Japanese maple	12.4	4,8,3,8,5,1,5,5,4,4,4,4,2	Good	Good	12	12		Exceptional S					2335.18	542.2	46.24	1.1	0.09	24.5	1.64	8.2	3.61	5.34		Remove		Remove	Remove	Remove	Remove	Remove



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Table with 30 columns: Tree ID, ROW / Private, Scientific Name, Common Name, DSH, DSH Multistem, Health Condition, Structural Condition, Dripline Radius (feet), Exceptional Threshold, Exceptional Grove, Exceptional (S/G/SG), Notes, Steep Slope/ Buffer, Potential Landslide Area, Shoreline Area, Est. Structural Value (9th Ed.) (\$), Carbon Storage (lbs/yr), Carbon storage (\$), Gross Carbon Sequestration (lbs/yr), Gross Carbon Sequestration (\$/yr), Avoided Runoff (ft^3/yr), Avoided Runoff (\$/yr), Pollution Removal (\$/yr), Pollution Removal (\$/yr), Total Annual Benefits (\$/yr), SDOT Tree Number, Proposed MIMP, Alternative 1, Alternative 2, Alternative 3, Alternative 4, Alternative 5, Parking.



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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
1127	Private	Liquidambar styraciflua	American sweetgum	9.7		Good	Fair	12	27		-					1894.87	182.1	15.53	15.6	1.33	14.5	0.97	4.9	2.14	4.44								
1128	Private	Liquidambar styraciflua	American sweetgum	12.4		Fair	Fair	10	27		-					2790.18	333.3	28.42	20.9	1.79	22.2	1.48	7.4	3.26	6.53								
1129	Private	Liquidambar styraciflua	American sweetgum	28.9	12,26.3	Good	Fair	22	27		Exceptional S					15265.26	2691.5	229.52	75.5	6.44	71	4.75	23.9	10.45	21.63								
1130	Private	Acer macrophyllum	Bigleaf maple	11.5		Good	Good	15	30		-					2207.04	467.4	39.86	31.6	2.69	32.6	2.18	10.9	4.8	9.67								
1131	ROW	Liquidambar styraciflua	American sweetgum	31.9	23.5,21.5	Good	Fair	13	27		-					18177.85	3429.2	292.43	86.5	7.38	73.5	4.92	24.7	10.82	23.11	0							
1132	ROW	Acer palmatum	Japanese maple	10.9		Good	Good	12	12		-					1868.84	403.3	34.39	3.7	0.32	18.4	1.23	6.2	2.7	4.25	0							
1133	ROW	Cotinus coggygria	Common smoketree	10.1	8.3,5.8	Good	Fair	10	6.5		-					1629.51	349.9	29.84	0.5	0.04	2.1	0.14	0.7	0.31	0.49	0							
1134	ROW	Laburnum x Watereri, Laburnum Vossii	Golden chain tree	9.4	8,4.9	Good	Good	11	15.9		-					1619.16	344.7	29.39	0.6	0.05	13.2	0.88	4.4	1.93	2.86	0							
1135	ROW	Pinus sylvestris	Scots pine	9.6		Good	Fair	7	24		-					645.34	226	19.28	16.9	1.44	7.7	0.51	2.6	1.13	3.08	0							
1136	Private	Magnolia grandiflora	Southern magnolia	7.5		Good	Good	12	16		-		x			1014.35	189	16.12	15.6	1.33	13.1	0.87	4.4	1.93	4.13								
1137	ROW	Ficus carica	Common fig	18.4	12,14	Good	Good	14	17.2		-		x			5451.31	1871.6	159.61	2	0.17	42.8	2.86	14.4	6.3	9.33	0							
1138	ROW	Sorbus aucuparia	European mountain ash	7.0		Good	Good	8	29		-		x			1016.3	177.5	15.14	23.9	2.04	6.1	0.41	2.1	0.9	3.35	1051082							
1139	ROW	Pyrus calleryana	Callery pear	8.0		Good	Good	9	13		-		x			1246.05	234.4	19.99	20.9	1.78	8	0.54	2.7	1.18	3.51	0							
1140	ROW	Pyrus calleryana	Callery pear	7.0		Good	Good	8	13		-		x			1016.3	169.1	14.42	17.3	1.47	5.9	0.39	2	0.87	2.74	0							
1141	ROW	Sorbus aucuparia	European mountain ash	6.0		Good	Good	8	29		-		x			817.19	121.7	10.38	19.2	1.64	4.4	0.3	1.5	0.65	2.59	1051081							
1142	ROW	Pyrus calleryana	Callery pear	7.0		Good	Good	12	13		-		x			1016.3	169.1	14.42	17.3	1.47	5.9	0.39	2	0.87	2.74	0							
1143	ROW	Sorbus aucuparia	European mountain ash	7.6		Good	Good	11	29		-		x			1150.48	217.1	18.51	25.6	2.18	7.2	0.48	2.4	1.06	3.72	1051080							
1144	ROW	Pyrus calleryana	Callery pear	8.0		Good	Good	14	13		-		x			1246.05	234.4	19.99	20.9	1.78	8	0.54	2.7	1.18	3.51	0							
1145	Private	Thuja plicata	Western redcedar	14.0		Good	Good	14	30		-		x			2247.22	150.3	12.82	4.2	0.35	11.2	0.75	3.7	1.64	2.74								
1146	Private	Zelkova serrata	Japanese zelkova	32.0		Good	Good	36	21		Exceptional S		x			18579.34	2969.8	253.25	31.9	2.72	58.2	3.89	19.5	8.56	15.18								
1147	Private	Cedrus libani	Cedar of Lebanon	16.0		Good	Fair	16	30		-		x			3305.66	2207.2	188.22	63.4	5.4	10.5	0.7	3.5	1.55	7.65								
1148	Private	Liquidambar styraciflua	American sweetgum	11.0		Good	Good	10	27		-		x			2670.63	248.1	21.16	21.1	1.8	25.8	1.73	8.7	3.8	7.32								
1149	Private	Thuja plicata	Western redcedar	30.0		Good	Fair	22	30		Exceptional S		x			9398.95	1220.3	104.06	15.9	1.36	34.6	2.31	11.6	5.09	8.76								
1150	Private	Acer platanoides	Norway maple	14.0		Good	Good	18	30		-		x			3823.87	910.6	77.65	43.2	3.68	46.1	3.08	15.5	6.78	13.54								
1151	Private	Chamaecyparis pisifera	Sawara cypress	23.2	14,14,12	Good	Fair	11	26.9		-		x			4933.68	4838.4	412.6	73.3	6.25	27	1.8	9.1	3.97	12.02								
1152	ROW	Chamaecyparis pisifera	Sawara cypress	30.0	24,18	Good	Good	14	26.9		-		x			9282.74	8307.9	708.46	82.4	7.03	47.7	3.19	16	7.03	17.25	0							
1153	Private	Cornus florida	Eastern flowering dogwood	14.0		Fair	Fair	7	12		Exceptional S		x			2735.02	854.5	72.87	15.3	1.3	13	0.87	4.4	1.92	4.09								
1154	ROW	Cercis canadensis	Redbud	6.1		Good	Good	11	9.5		-		x			835.72	73.2	6.25	0.2	0.01	5.5	0.37	1.8	0.8	1.19	0							
1155	Private	Tsuga heterophylla	Western hemlock	16.0		Good	Good	16	24		-		x			2954.43	526.8	44.93	14.1	1.2	39.4	2.63	13.2	5.8	9.63								
1156	Private	Thuja occidentalis	Arborvitae	9.0		Fair	Good	4	11.8		-		x			703.75	313.8	26.76	11.8	1.01	2.7	0.18	0.9	0.4	1.58								
1157	Private	Thuja plicata	Western redcedar	18.0		Good	Good	16	30		-		x			3755.93	305.9	26.08	6.7	0.57	21.3	1.42	7.2	3.13	5.13								
1158	Private	Acer palmatum	Japanese maple	19.3	9,11,13	Good	Good	24	12		Exceptional S		x			5253.68	1498.9	127.82	0.8	0.07	48.8	3.26	16.4	7.18	10.51								
1159	Private	Malus domestica	Apple	18.0		Good	Good	17	20		-		x			5228.31	1735.5	148	59.8	5.1	22.9	1.53	7.7	3.37	10								
1160	Private	Prunus laurocerasus	Cherry laurel	22.5	9,15,11,9	Fair	Fair	20	26.2		-		x			6712.15	3937.5	335.77	2.9	0.25	33.8	2.26	11.4	4.97	7.48								
1161	Private	Pseudotsuga menziesii	Douglas-fir	16.0		Good	Good	19	30		-		x			2954.43	496.4	42.33	18.2	1.55	27.6	1.85	9.3	4.07	7.47								
1162	Private	Pseudotsuga menziesii	Douglas-fir	20.0		Good	Good	19	30		-		x			4651.74	856	73	25.7	2.19	40.8	2.73	13.7	6.01	10.92								
1163	Private	Abies grandis	Grand fir	22.0		Fair	Good	18	24		-		x			3881.37	1288.6	109.88	28.7	2.45	42.1	2.82	14.2	6.2	11.47								



Table of Trees

Seattle Pacific University, Seattle, WA

Arborist: TB / JP
 Date of Inventory: Spring 2021
 Table Prepared: May 31, 2022

Column headers highlighted in green indicate columns of data which were calculated using i-Tree Eco.

Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking	
1164	Private	<i>Betula pendula</i>	European white birch	11.0	7,6,6	Good	Fair	16	24		-				x	1982.72	495.2	42.23	37.5	3.2	15.4	1.03	5.2	2.27	6.51		Remove				Remove		Remove	
1165	Private	<i>Betula pendula</i>	European white birch	8.8	6,6,5,8	Fair	Fair	14	24		-				x	1269.1	285.4	24.34	25.5	2.17	9.1	0.61	3.1	1.34	4.12									
1166	ROW	<i>Betula pendula</i>	European white birch	10.0		Fair	Fair	8	24		-				x	1576.08	391.3	33.37	30.6	2.61	11.2	0.75	3.8	1.65	5.01	0								
1167	Private	<i>Acer macrophyllum</i>	Bigleaf maple	12.0	6,6,6,6	Fair	Poor	10	30		-					1603.22	514.2	43.85	21.3	1.82	14.6	0.97	4.9	2.14	4.94									
1168	Private	<i>Malus domestica</i>	Apple	10.0		Good	Good	10	20		-				x	1797.44	411.4	35.08	29.2	2.49	9.6	0.64	3.2	1.41	4.54									
1169	Private	<i>Acer macrophyllum</i>	Bigleaf maple	43.0		Fair	Fair	26	30		Exceptional S				x	20084.44	9010	768.33	3.2	0.28	153.6	10.26	51.6	22.59	33.13									
1170	ROW	<i>Malus domestica</i>	Apple	29.7		Good	Good	21	20		-				x	13776.22	5922.3	505.03	80.6	6.88	41	2.74	13.8	6.03	15.65	0								
1171	Private	<i>Sorbus aucuparia</i>	European mountain ash	12.2		Fair	Fair	15	29		-				x	2130.47	691.4	58.96	14.4	1.23	12.3	0.82	4.1	1.81	3.87									
1172	Private	<i>Acer macrophyllum</i>	Bigleaf maple	20.0		Good	Fair	18	30		-				x	5459.02	1617.6	137.94	17.4	1.48	57.3	3.83	19.2	8.43	13.74									
1173	Private	<i>Thuja plicata</i>	Western redcedar	19.8		Good	Poor	19	30		-			x		3814.77	378.3	32.26	6.7	0.57	17.3	1.16	5.8	2.54	4.27									
1174	Private	<i>Thuja plicata</i>	Western redcedar	16.4		Good	Poor	16	30		-			x		2600.58	221.2	18.86	4.7	0.4	10.7	0.72	3.6	1.58	2.69									
1175	Private	<i>Thuja plicata</i>	Western redcedar	17.0		Good	Poor	14	30		-			x		2798.28	244.5	20.85	5	0.43	11.6	0.78	3.9	1.71	2.92									
1176	Private	<i>Thuja plicata</i>	Western redcedar	16.6		Good	Fair	12	30		-			x		2838.78	232.9	19.86	5.1	0.43	12.9	0.86	4.3	1.9	3.19									
1177	ROW	<i>Thuja plicata</i>	Western redcedar	14.9		Good	Good	14	30		-			x		2553.79	179	15.26	4.7	0.4	13.1	0.87	4.4	1.92	3.2	0								
1178	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	20.0		Good	Fair	14	30		-					7583.7	1015.1	86.56	0.7	0.06	59.2	3.96	19.9	8.71	12.73									
1179	ROW	<i>Prunus serrulata</i>	Flowering cherry	18.3		Fair	Poor	4	23		-			x		3635.83	2355	200.82	1.3	0.11	12.4	0.83	4.2	1.82	2.77	0								
1180	ROW	<i>Prunus serrulata</i>	Flowering cherry	7.4		Fair	Poor	3	23		-			x		744.36	259.7	22.14	0.4	0.03	2.2	0.15	0.7	0.32	0.5	0								
1181	ROW	<i>Malus domestica</i>	Apple	6.1		Good	Good	9	20		-			x		835.72	122.7	10.47	14.5	1.23	4.5	0.3	1.5	0.66	2.19	0								
1182	ROW	<i>Malus domestica</i>	Apple	6.0		Good	Good	9	20		-			x		817.19	117.9	10.05	14.1	1.21	4.4	0.29	1.5	0.64	2.14	0								
1183	Private	<i>Acer palmatum</i>	Japanese maple	8.5		Good	Fair	13	12		-			x		1111.98	228.3	19.47	5.4	0.46	7.9	0.53	2.7	1.17	2.16									
1184	Private	<i>Betula papyrifera</i>	Paper birch	7.7	5,5,4,5,3	Poor	Fair	14	20		-			x		850.57	208.5	17.78	17.8	1.52	4.2	0.28	1.4	0.61	2.41									
1185	Private	<i>Magnolia grandiflora</i>	Southern magnolia	10.0		Good	Good	14	16		-			x		1579.82	370.2	31.57	23.3	1.99	21.4	1.43	7.2	3.15	6.57									
1186	Private	<i>Magnolia grandiflora</i>	Southern magnolia	8.7	8,3,5	Good	Good	10	16		-			x		1265.61	267.4	22.8	19.2	1.64	17	1.13	5.7	2.5	5.27									
1187	Private	<i>Cercidiphyllum japonicum</i>	Katsura tree	12.2	7,8,6	Good	Fair	11	30		-			x		2943.39	299.3	25.52	0.3	0.03	24.9	1.66	8.4	3.66	5.35									
1188	Private	<i>Thuja occidentalis</i>	Arborvitae	10.2	8,5,5,3	Good	Good	3	11.8		-			x		1024.93	402.6	34.33	14.9	1.27	4.6	0.31	1.5	0.68	2.26									
1189	Private	<i>Thuja plicata</i>	Western redcedar	30.0		Good	Fair	14	30		Exceptional S			x		9398.95	1220.3	104.06	15.9	1.36	34.6	2.31	11.6	5.09	8.76									
1190	ROW	<i>Quercus palustris</i>	Pin oak	27.3		Fair	Fair	20	30		-			x		11608.89	3351.6	285.81	1.7	0.14	92.1	6.16	30.9	13.55	19.85	16805								
1191	Private	<i>Betula populifolia</i>	Gray birch	15.0	9,12	Fair	Fair	12	15.1		-			x		3276.95	922.6	78.68	1	0.09	19.3	1.29	6.5	2.83	4.21									
1192	Private	<i>Betula populifolia</i>	Gray birch	17.0	8,15	Fair	Fair	15	15.1		Exceptional S			x		4147.8	1257.8	107.26	1.3	0.11	20.1	1.35	6.8	2.96	4.41									
1193	ROW	<i>Quercus palustris</i>	Pin oak	25.9		Fair	Poor	29	30		-			x		8429.39	3017.2	257.29	2.6	0.22	54.5	3.64	18.3	8.02	11.88	16806								
1194	Private	<i>Prunus serrulata</i>	Flowering cherry	10.0		Good	Good	10	23		-			x		1797.44	540.6	46.1	0.8	0.07	10.6	0.71	3.6	1.56	2.34									
1195	Private	<i>Thuja plicata</i>	Western redcedar	32.0		Good	Good	18	30		Exceptional S			x		11756.3	1481	126.29	20.2	1.73	44.4	2.97	14.9	6.53	11.23									
1196	Private	<i>Thuja plicata</i>	Western redcedar	30.0		Fair	Poor		30		Exceptional S			x		7106.53	1186.5	101.18	12	1.02	19.7	1.32	6.6	2.91	5.25									
1197	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	14.0		Good	Good	14	30		-			x		2247.22	352.7	30.08	14.7	1.25	21.1	1.41	7.1	3.1	5.76									
1198	Private	<i>Ilex aquifolium</i>	English holly	10.5		Good	Good	5	18.8		-			x		1954.43	378.2	32.25	15.3	1.3	8.2	0.55	2.8	1.21	3.06									
1199	ROW	<i>Acer macrophyllum</i>	Bigleaf maple	12.3		Fair	Poor	15	30		-			x		1675.1	543.5	46.35	21.3	1.82	15.4	1.03	5.2	2.27	5.12	0								
1200	ROW	<i>Aesculus hippocastanum</i>	Horsechestnut	28.0		Good	Fair	25	30		-			x		11309.23	4942.6	421.48	2.4	0.21	60.6	4.05	20.3	8.91	13.17	0								
1201	Private	<i>Aesculus hippocastanum</i>	Horsechestnut	30.0		Fair	Fair	15	30		Exceptional S			x		12158.6	5863.2	499.98	2.5	0.22	58.8	3.93	19.7	8.65	12.8									

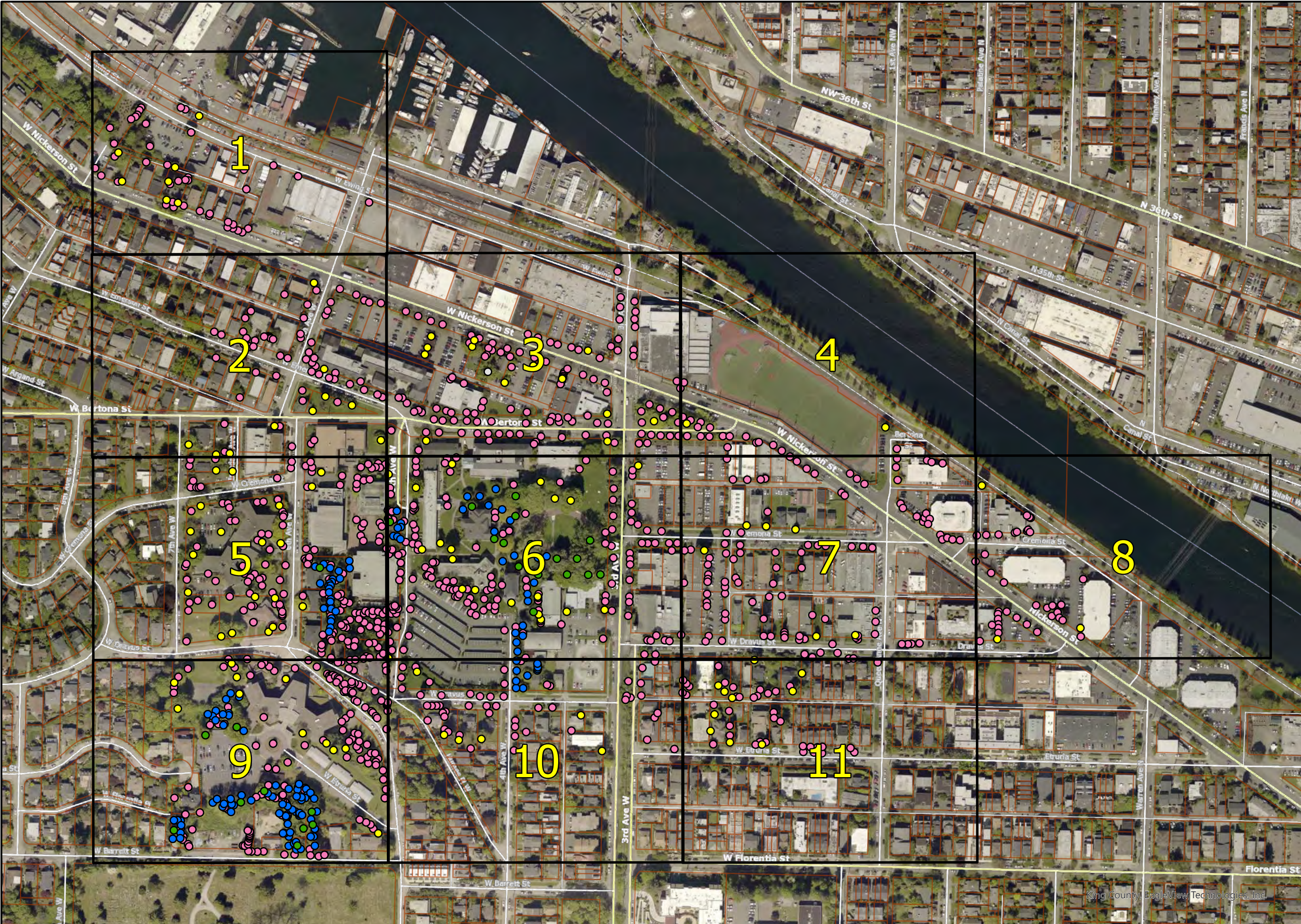


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Seattle Pacific University, Seattle, WA

Arborist: TB / JP
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Table Prepared: May 31, 2022

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Tree ID	ROW / Private	Scientific Name	Common Name	DSH	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)	Exceptional Threshold	Exceptional Grove	Exceptional (S/G/SG)	Notes	Steep Slope/ Buffer	Potential Landslide Area	Shoreline Area	Est. Structural Value (9th Ed.) (\$)	Carbon Storage (lbs/yr)	Carbon storage (\$)	Gross Carbon Sequestration (lbs/yr)	Gross Carbon Sequestration (\$/yr)	Avoided Runoff (ft ³ /yr)	Avoided Runoff (\$/yr)	Pollution Removal (oz/yr)	Pollution Removal (\$/yr)	Total Annual Benefits (\$/yr)	SDOT Tree Number	Proposed MIMP	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Parking
1202	Private	<i>Malus domestica</i>	Apple	17.3	9,9,6,10	Fair	Fair	9	20		-			x		4059.1	1574.8	134.29	48.4	4.13	14.5	0.97	4.9	2.13	7.23								
1203	ROW	<i>Thuja plicata</i>	Western redcedar	32.4		Good	Fair	18	30		-			x		10733.8	1512.2	128.96	18.5	1.57	35.6	2.38	11.9	5.23	9.19	0							
1204	Private	<i>Pinus ponderosa</i>	Ponderosa pine	11.0		Good	Good	13	30		-			x		1019.42	247.3	21.09	13.9	1.19	16.1	1.08	5.4	2.37	4.64								
1205	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	24.0		Good	Good	20	30		-		x	x		6726.22	1288.8	109.9	33	2.81	51.3	3.43	17.2	7.54	13.78								
1206	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	15.0		Good	Good	19	30		-		x	x		2589.03	421.4	35.94	16.4	1.4	24.4	1.63	8.2	3.59	6.62								
1207	Private	<i>Tsuga heterophylla</i>	Western hemlock	22.0		Fair	Good	24	24		-		x	x		5028.59	1109.2	94.59	19.9	1.7	55.2	3.69	18.5	8.12	13.51								
1208	Private	<i>Crataegus monogyna</i>	Common hawthorn	20.0		Fair	Fair	12	16.2		Exceptional S		x	x		5350.12	2578.2	219.86	1.2	0.1	12.3	0.82	4.1	1.81	2.73								
1209	Private	<i>Crataegus monogyna</i>	Common hawthorn	16.0		Fair	Fair	12	16.2		-		x	x		3504.16	1492.4	127.27	0.8	0.07	8.9	0.59	3	1.31	1.97								
1210	Private	<i>Acer macrophyllum</i>	Bigleaf maple	24.0		Fair	Poor	20	30		-		x	x		5863.03	2435.2	207.66	2.3	0.2	43.6	2.91	14.6	6.41	9.52								
1211	Private	<i>Pseudotsuga menziesii</i>	Douglas-fir	14.0		Good	Good	14	30		-			x		2247.22	352.7	30.08	14.7	1.25	21.1	1.41	7.1	3.1	5.76								
1212	Private	<i>Acer macrophyllum</i>	Bigleaf maple	15.0		Fair	Fair	18	30		-	Heavy ivy and blackberry very limited visual assessment	x	x		2983.04	848.3	72.34	25.4	2.17	34.9	2.33	11.7	5.13	9.63								
1213	Private	<i>Ilex aquifolium</i>	English holly	18.0		Good	Good	8	18.8		-			x		5228.31	1279.5	109.11	3.8	0.32	21.3	1.43	7.2	3.14	4.88								
1214	Private	<i>Crataegus monogyna</i>	Common hawthorn	22.0		Good	Fair	16	16.2		Exceptional S			x		6844.26	3256.5	277.7	1.4	0.12	14.6	0.98	4.9	2.15	3.26								
1215	Private	<i>Prunus serrulata</i>	Flowering cherry	12.0		Good	Good	10	23		-			x		2471.36	842.7	71.86	1.1	0.09	15	1	5	2.21	3.31								
1216	ROW	<i>Tsuga mertensiana</i>	Mountain hemlock	6.0		Good	Fair	5	10.8		-			x		322.04	56.1	4.78	3.7	0.31	2.8	0.18	0.9	0.41	0.9	0							
1217	ROW	<i>Betula pendula</i>	European white birch	7.0		Good	Good	10	24		-			x		1053.96	162.3	13.84	22	1.88	9.9	0.66	3.3	1.45	3.99	0							
1218	Private	<i>Acer platanoides</i>	Norway maple	18.0		Good	Fair	18	30		-			x		5494.88	1614.2	137.65	36.9	3.15	50.1	3.35	16.8	7.37	13.88		Remove			Remove		Remove	
1219	Private	<i>Pinus sylvestris</i>	Scots pine	9.0		Good	Good	11	24		-			x		636.34	198.4	16.92	17.6	1.5	8.8	0.59	3	1.3	3.4		Remove			Remove		Remove	
1220	ROW	<i>Cornus florida</i>	Eastern flowering dogwood	8.1	5,5,4	Good	Fair	8	12		-			x		1132.59	241.3	20.57	14.4	1.23	6.1	0.41	2.1	0.9	2.54	0							
1221	ROW	<i>Cornus florida</i>	Eastern flowering dogwood	7.1	5,4,3	Fair	Fair	8	12		-			x		868.68	178.1	15.19	12.6	1.07	4.2	0.28	1.4	0.61	1.96	0							
1222	ROW	<i>Cornus florida</i>	Eastern flowering dogwood	6.0		Good	Good	11	12		-			x		817.19	120.9	10.31	13.5	1.15	4.8	0.32	1.6	0.71	2.19	0							
1223	Private	<i>Prunus serrulata</i>	Flowering cherry	14.0		Good	Fair	15	23		-			x		2912.61	1226.6	104.6	1.2	0.1	15.1	1.01	5.1	2.23	3.34		Remove			Remove		Remove	
1224	ROW	<i>Prunus serrulata</i>	Flowering cherry	16.0		Fair	Fair	14	23		-			x		3504.16	1698	144.8	1.4	0.12	16.4	1.09	5.5	2.41	3.62	0	Remove			Remove		Remove	
1225	Private	<i>Prunus serrulata</i>	Flowering cherry	18.0		Fair	Fair	18	23		-			x		4375.86	2262.1	192.9	1.6	0.14	19.3	1.29	6.5	2.84	4.27		Remove			Remove		Remove	
1226	Private	<i>Acer platanoides</i>	Norway maple	16.0		Good	Fair	19	30		-			x		4386.35	1234.2	105.25	38.4	3.28	44.4	2.97	14.9	6.53	12.77		Remove			Remove		Remove	
1227	Private	<i>Pinus monticola</i>	Western white pine	17.1	6,16	Good	Good	14	24		-			x		2478.58	643.7	54.89	30.9	2.64	33.3	2.23	11.2	4.9	9.76		Remove			Remove		Remove	



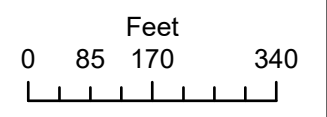
2940 Westlake Ave N #200
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SPU Draft MIMP/EIS
Seattle Pacific University

Tree inventory data
collected spring 2021.

Legend

- Map_Series
- Exceptional (S/G/SG)
 - Not Exceptional
 - Exceptional Grove
 - Exceptional Size
 - Exceptional Size and Grove
 - Removed
- King County parcels




Map Series

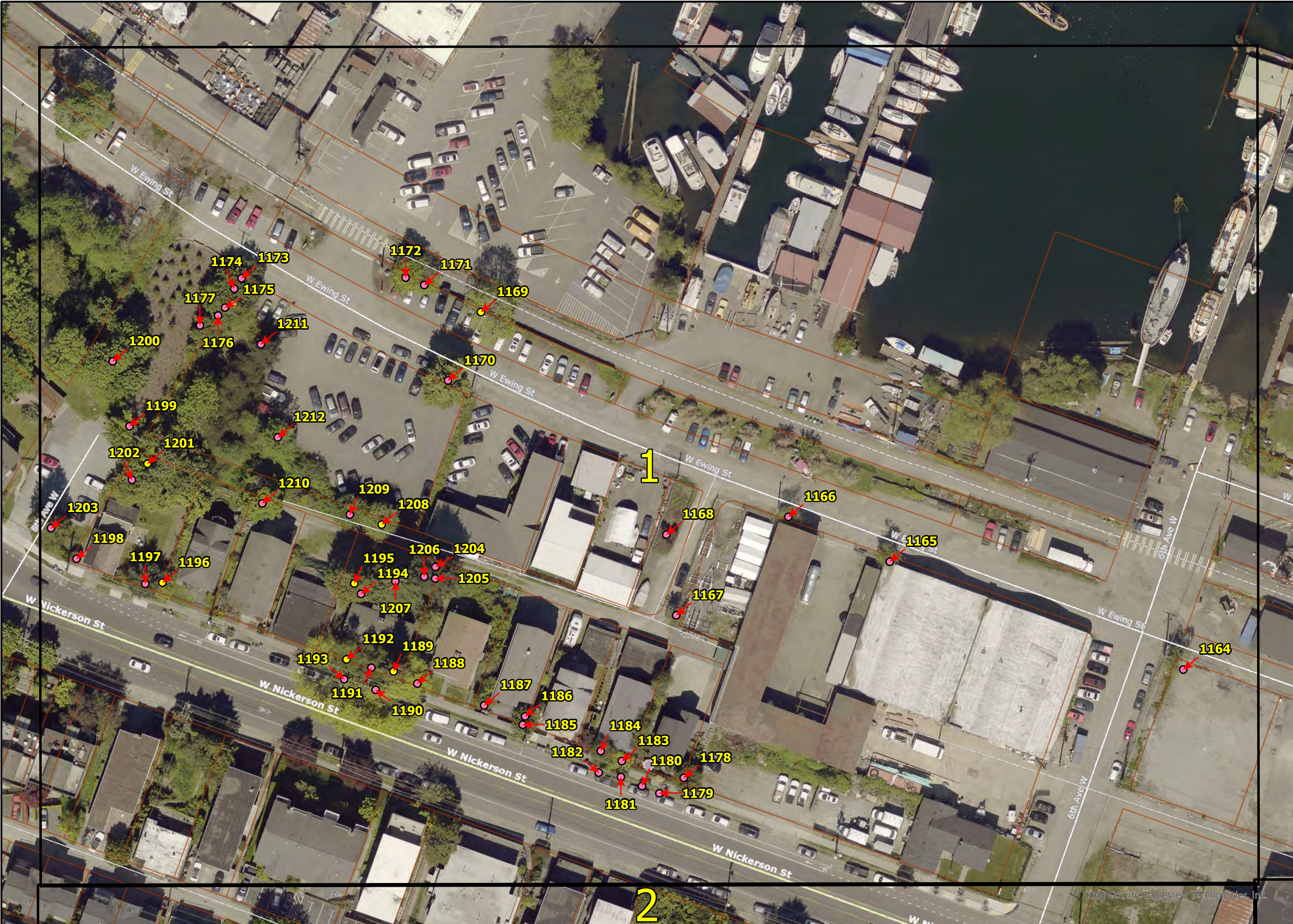
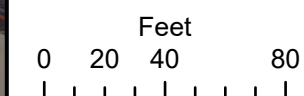
Date: May 26, 2022

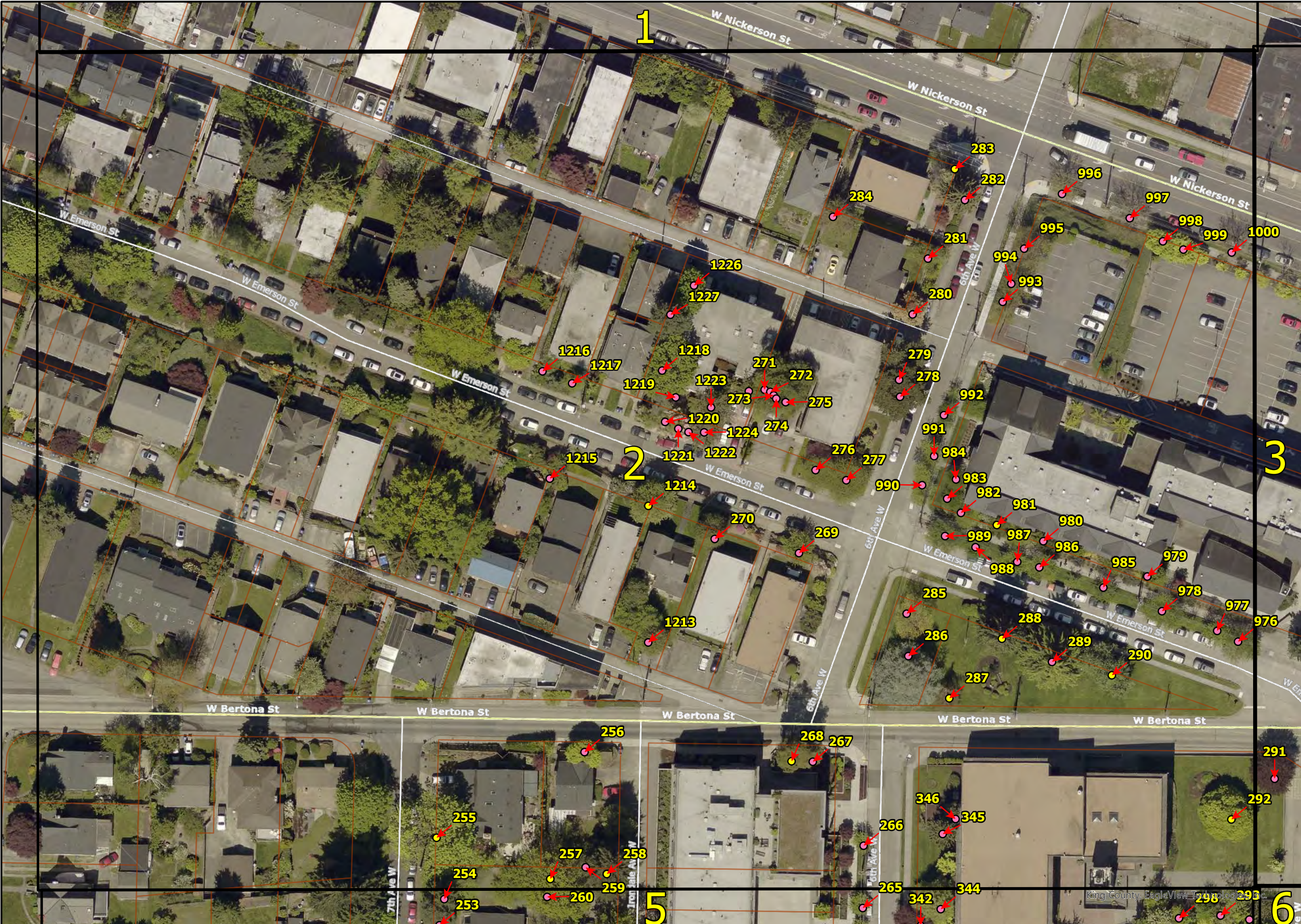
Arborist:
Tyler Bunton
ISA #PN-8715A
ISA QTRA

Tree inventory data collected spring 2021.

Legend

-  Map_Series
- Exceptional (S/G/SG)
 -  Not Exceptional
 -  Exceptional Size
 -  King County parcels





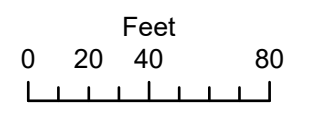
2940 Westlake Ave N #200
 Seattle, WA 98109
 206-528-4670

SPU Draft MIMP/EIS
 Seattle Pacific University

Tree inventory data
 collected spring 2021.

Legend

- Map_Series
- Exceptional (S/G/SG)**
- Not Exceptional
- Exceptional Size
- King County parcels



Sheet 2 of 11

Date: May 26, 2022

Arborist:
 Tyler Bunton
 ISA #PN-8715A
 ISA QTRA

King County, EagleView Technologies Inc.



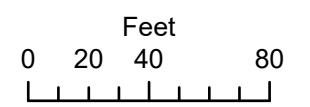
2940 Westlake Ave N #200
 Seattle, WA 98109
 206-528-4670

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 Seattle Pacific University

Tree inventory data
 collected spring 2021.

Legend

- Map_Series
- Exceptional (S/G/SG)
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 - Exceptional Size
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 - King County parcels



Sheet 3 of 11

Date: May 26, 2022

Arborist:
 Tyler Bunton
 ISA #PN-8715A
 ISA QTRA

King County, EagleView Technologies, Inc



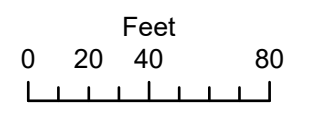
2940 Westlake Ave N #200
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Tree inventory data
 collected spring 2021.

Legend

- Map_Series
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 - Not Exceptional
 - Exceptional Size
 - King County parcels



Sheet 4 of 11

Date: May 26, 2022

Arborist:
 Tyler Bunton
 ISA #PN-8715A
 ISA QTRA

King County, EagleView Technologies, Inc.



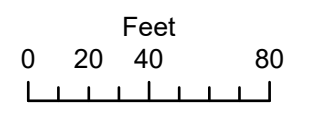
2940 Westlake Ave N #200
Seattle, WA 98109
206-528-4670

SPU Draft MIMP/EIS
Seattle Pacific University

Tree inventory data
collected spring 2021.

Legend

- Map_Series
- Exceptional (S/G/SG)
 - Not Exceptional
 - Exceptional Grove
 - Exceptional Size
 - Exceptional Size and Grove
- King County parcels



Sheet 5 of 11

Date: May 26, 2022

Arborist:
Tyler Bunton
ISA #PN-8715A
ISA QTRA

King County, EarthView Technologies, Inc.



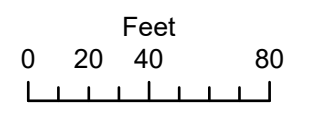
2940 Westlake Ave N #200
Seattle, WA 98109
206-528-4670

SPU Draft MIMP/EIS
Seattle Pacific University

Tree inventory data
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Legend

- Map_Series
- Exceptional (S/G/SG)
 - Not Exceptional
 - Exceptional Grove
 - Exceptional Size
 - Exceptional Size and Grove
- King County parcels



Sheet 6 of 11

Date: May 26, 2022

Arborist:
Tyler Bunton
ISA #PN-8715A
ISA QTRA

King County EagleView Technologies, Inc.



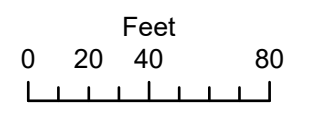
2940 Westlake Ave N #200
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 collected spring 2021.

Legend

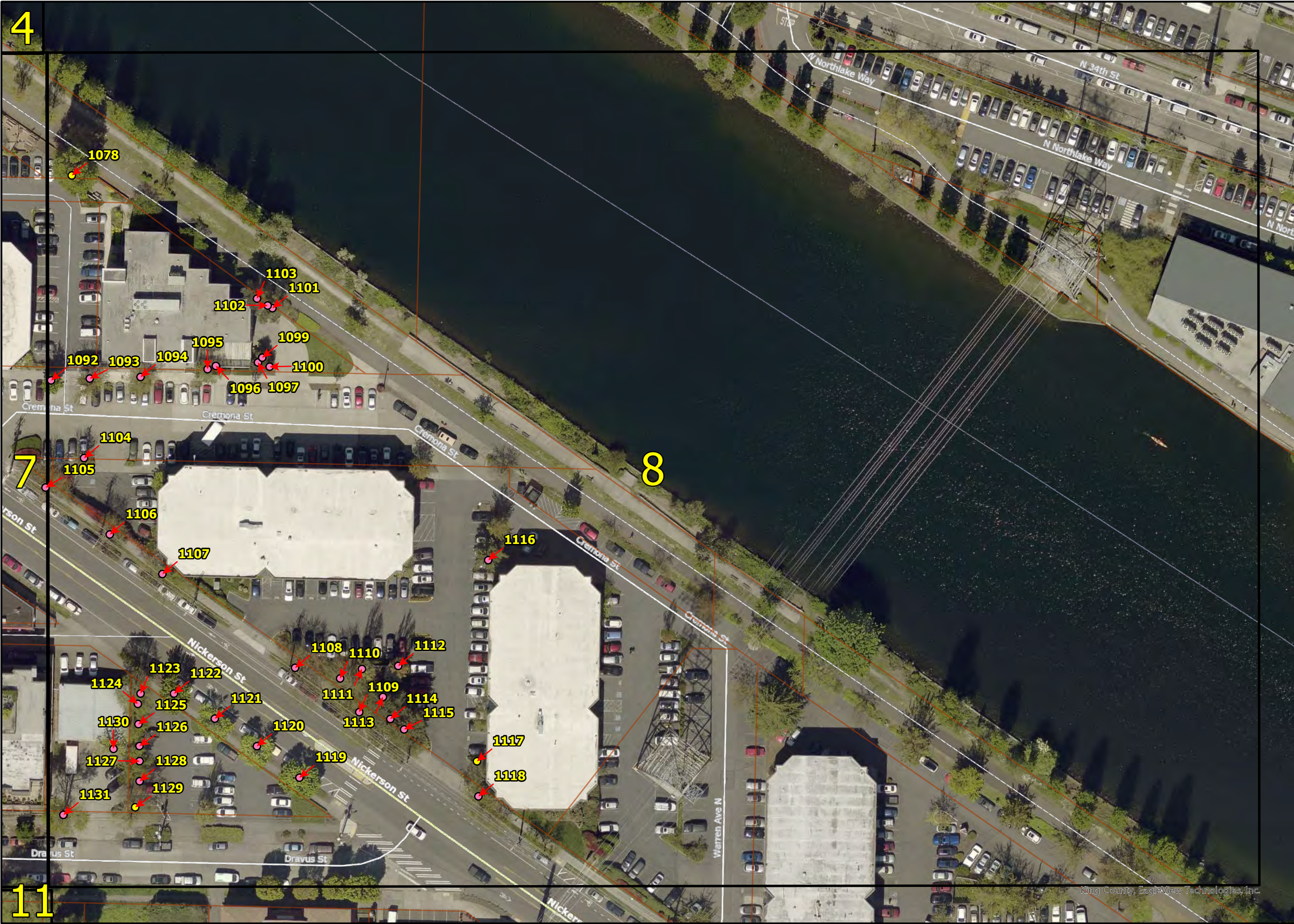
- Map_Series
- Exceptional (S/G/SG)
 - Not Exceptional
 - Exceptional Size
- King County parcels



Sheet 7 of 11

Date: May 26, 2022

Arborist:
 Tyler Bunton
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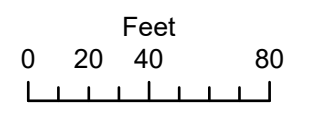
2940 Westlake Ave N #200
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 collected spring 2021.

Legend

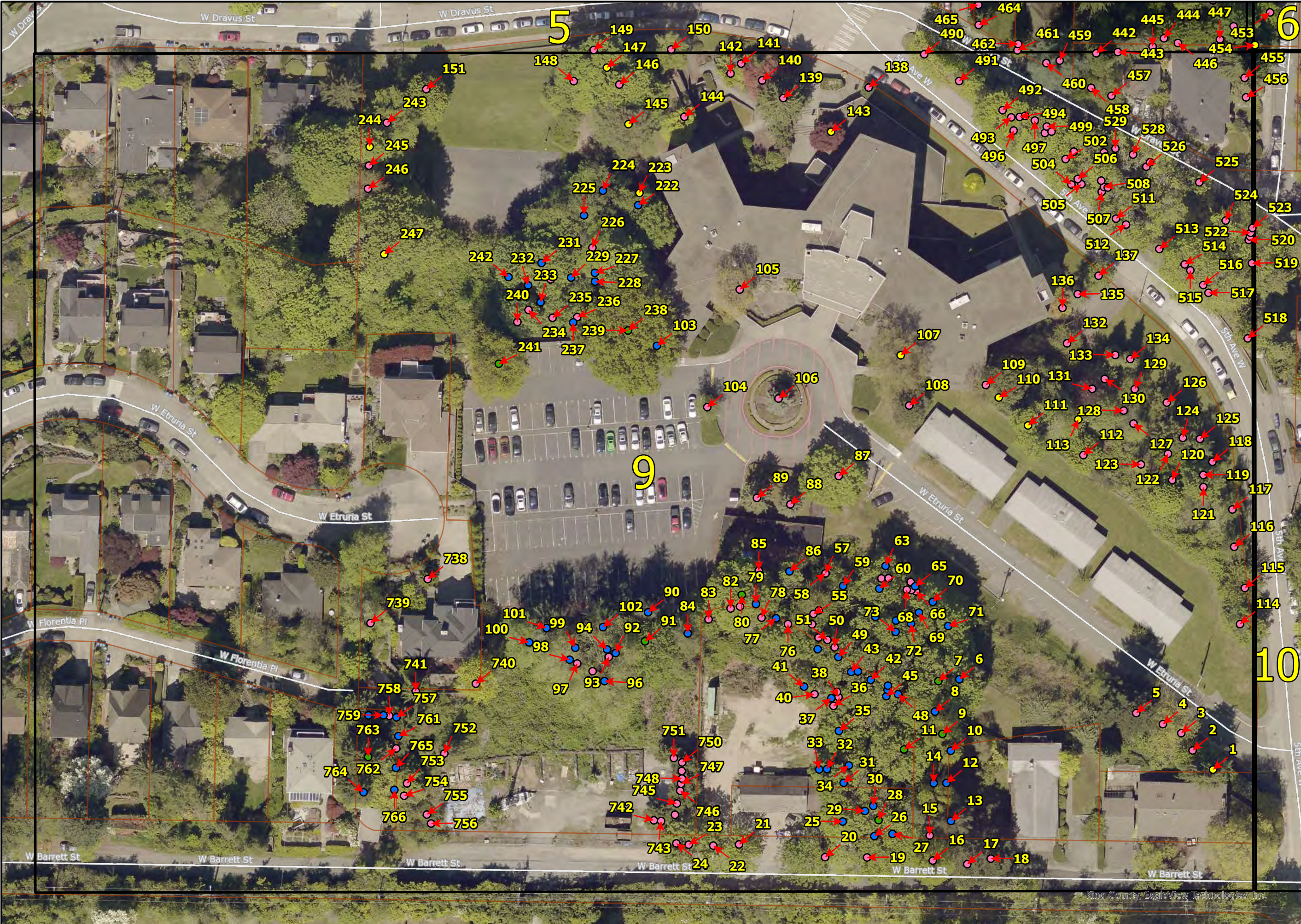
- Map_Series
- Exceptional (S/G/SG)
 - Not Exceptional
 - Exceptional Size
 - King County parcels



Sheet 8 of 11

Date: May 26, 2022

Arborist:
 Tyler Bunton
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 ISA QTRA



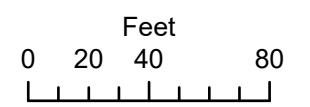
2940 Westlake Ave N #200
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 collected spring 2021.

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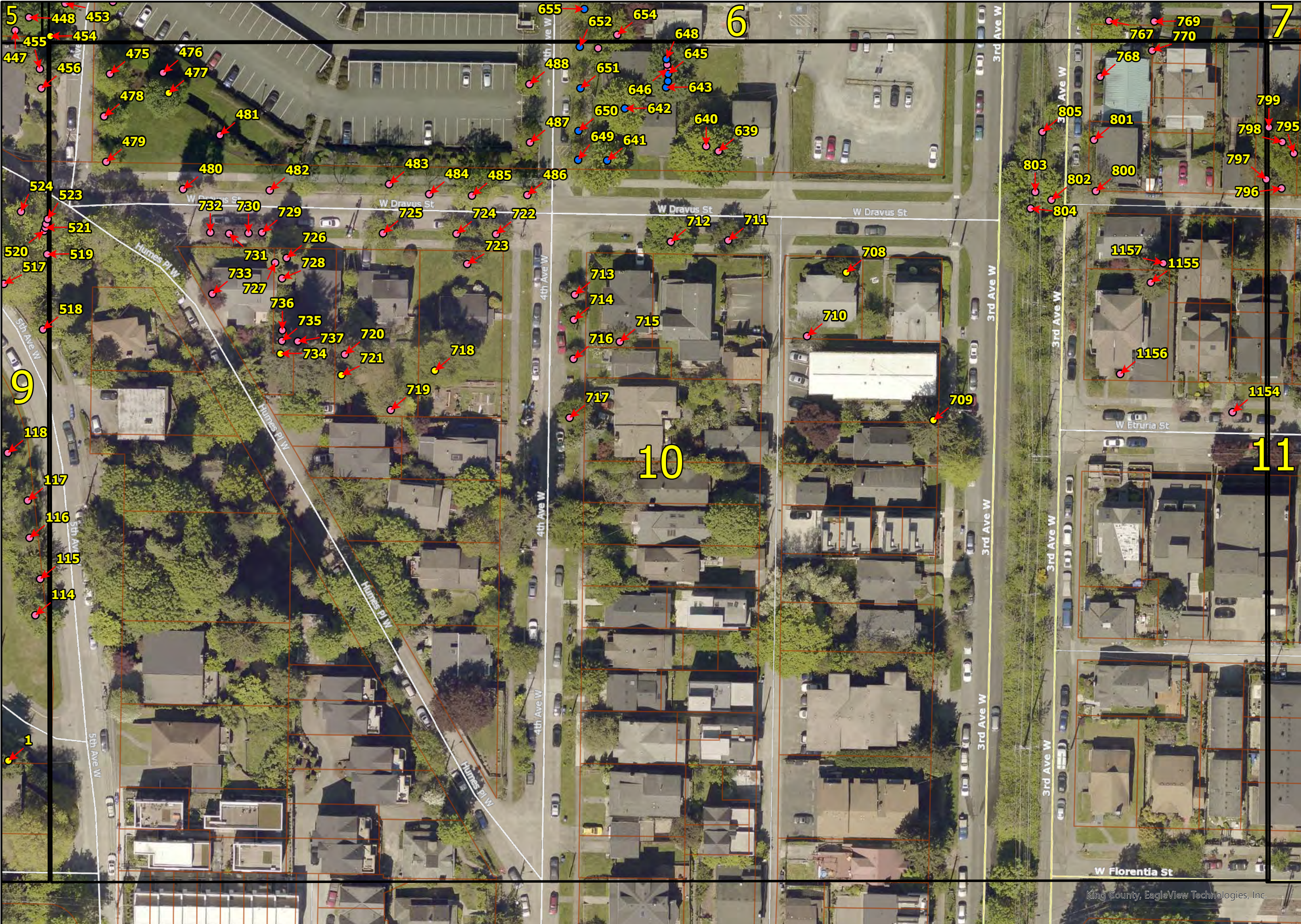
- Map_Series
- Exceptional (S/G/SG)
 - Not Exceptional
 - Exceptional Grove
 - Exceptional Size
 - Exceptional Size and Grove
- King County parcels



Sheet 9 of 11

Date: May 26, 2022

Arborist:
 Tyler Bunton
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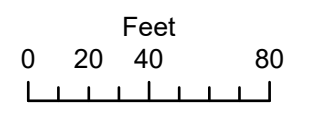
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 collected spring 2021.

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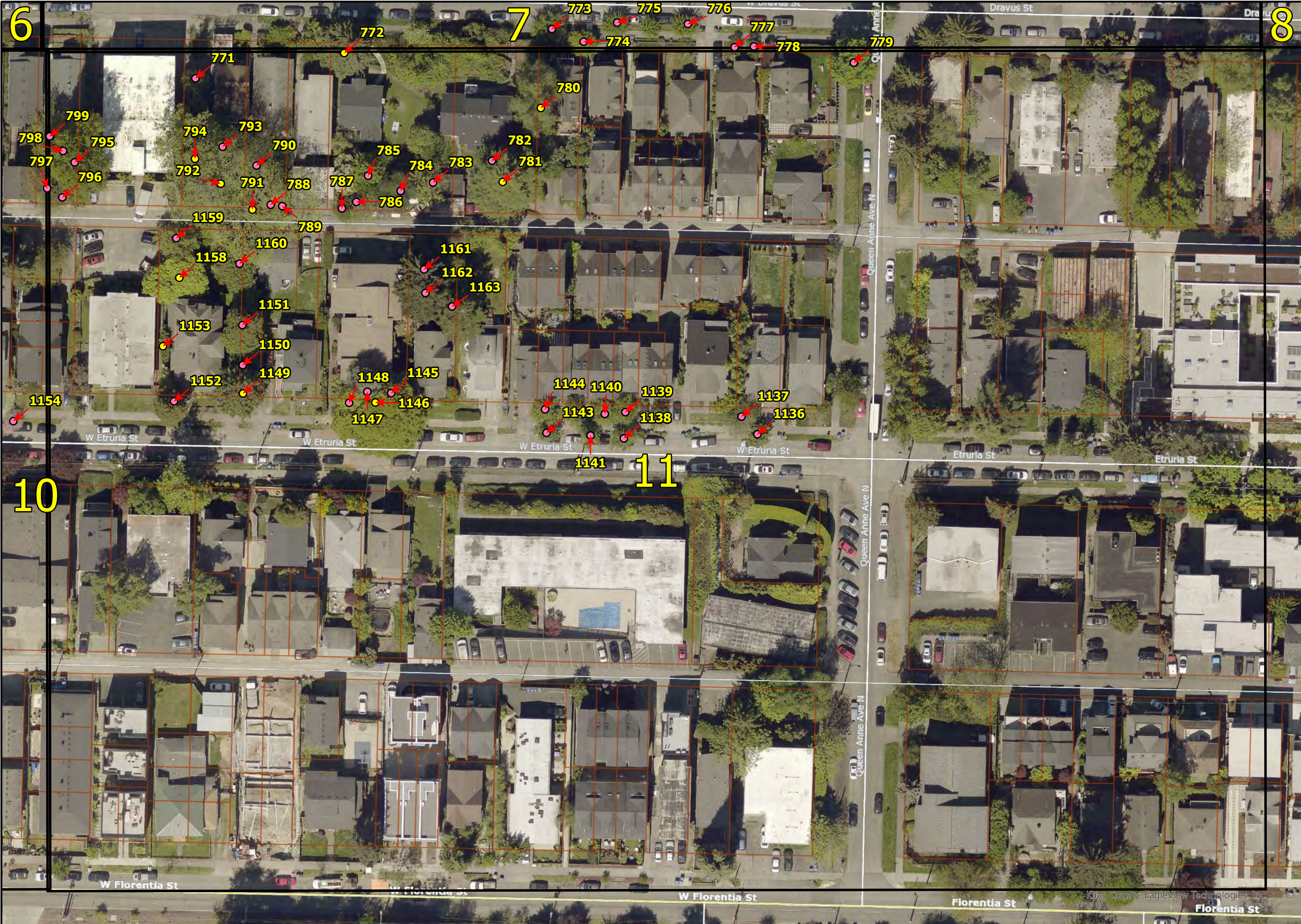
- Map_Series
- Exceptional (S/G/SG)**
- Not Exceptional
- Exceptional Grove
- Exceptional Size
- King County parcels



Sheet 10 of 11

Date: May 26, 2022

Arborist:
 Tyler Bunton
 ISA #PN-8715A
 ISA QTRA



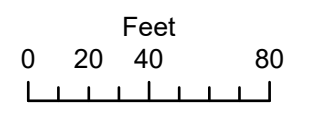
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Legend

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Sheet 11 of 11

Date: May 26, 2022

Arborist:
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