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**East Lake Sammamish Trail
South B Segment
60% Design**

Tree Inventory/Assessment Report

Prepared for:

Parametrix

9/27/2016

Updated 7/11/2017

**Exhibit 61
SSDP2016-00415
005604**

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Attachments

- I. Tree Summary Tables
- II. Non-Significant Tree Table

1. Summary

An assessment of significant trees within the East Lake Sammamish Trail (ELST) South B Segment was conducted. The South B Segment goes from SE 33rd St to approximately 500' south of Kokomo Drive. As defined in the Sammamish Municipal Code, significant trees are coniferous trees with a DBH (diameter at breast height, 4 ½' above ground) of 8 inches or greater and deciduous trees with a DBH of 12 inches or greater. The assessment included (1) a general inventory of significant trees within the proposed clearing and grading limits and (2) a more detailed evaluation of significant trees just beyond the clearing and grading limits that may be adversely impacted by trail improvements.

The King County right-of-way is typically 100 feet wide. Not every tree within the right-of-way was assessed. The trees to be included in the assessment were identified by a yellow laminated paper tree tag stapled on each tree by Parametrix. These tags were placed on the lower trunks of trees within approximately 40' of the clearing and grading limits.

Data for significant trees can be found in the attached tree summary table. Detailed evaluations were completed for 847 significant trees within the right-of-way. In addition, the 26 non-significant trees that were tagged were also assessed. Potential impacts were evaluated based on the project survey and 60-percent design plans provided by Parametrix. A recommendation was given based on anticipated impacts, current tree condition and tree species suitability for long-term retention.

254 significant trees exist within the proposed clearing and grading limits and are proposed for removal to install trail improvements. In addition, 19 trees outside of the clearing and grading limits are in poor condition and are recommended for removal to maintain risks at acceptable levels. Of the 273 trees proposed for removal, 40 trees meet the Sammamish Municipal Code definition of a heritage tree (22-inch or greater diameter) and 9 meet the criteria for a 'Landmark' tree (32-inch or greater diameter).

Significant Tree data is summarized as follows.

Trees to be Saved	574
No action needed	529
Monitor – could still be affected by construction	45
Trees to be Removed	273
Within clearing and grading limits	254
Outside clearing and grading limits	19
TOTAL	847

Trees with a recommendation to monitor shall be periodically evaluated throughout the construction process. The objective is to save these trees if possible. Recommended clearance and abatement pruning shall be performed prior to construction to avoid unnecessary damage to trees to be retained. There are several trees in the monitor category that will need to be pruned to provide trail construction clearance. Trees requiring clearance pruning are identified in the Tree Summary Tables.

2. Client

Parametrix
719 2nd Avenue, Suite 200
Seattle, WA 98104

3. Assignment

The assignment is a condition assessment of all tagged significant trees within the right-of-way of the ELST. The section of trail subject to this report starts at station 468+00 approximately 500' south of Kokomo Drive to station 284+00 near SE 32nd Street, encompassing roughly 3.5 miles.

The trees subject to this report are those within approximately 40' of the current trail centerline. Tree locations are surveyed and the trees inclusive of this assessment were identified with a laminated yellow numbered placard

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prior to this assessment. The assignment does not include a condition and risk assessment of all of trees within the right-of-way for ELST.

4. Purpose and Use of Report

The purpose of this report is to provide Parametrix with baseline data for trees within the trail corridor and those potentially affected by the planned improvements to ELST. This data will aid the client in determining which trees can be saved and which trees should be monitored.

5. Limits of Assignment

The assignment is limited to the information gathered during the multiple site visits in April and May of 2016 and references noted in this report. No invasive methods were used to assess tree condition unless fully described in the "Analysis and Testing" section of this report. Information from published sources cited herein is assumed to be reliable. Impacts and the long-term viability of trees were judged by evaluating tree conditions and proposed improvements. No staking of improvements was done prior to the assessment, so the assessment is limited to interpretation of site plans. No final elevations are provided on site plans, which further limit the evaluation of the depth of cuts and fills adjacent to subject trees.

6. Site Description

The assessment area consists of the right-of-way of ELST located between SE 33rd Street and a location approximately 500' south of Kokomo Drive, limited by the assignment to those trees identified by the client. The trail is an old built-up railroad grade with often moderately to steeply sloping cut banks. Many trees have been planted in the ROW by adjacent owners. These are primarily coniferous species for screening purposes. Planted tree species are primarily comprised of Leyland cypress and Douglas-fir, with minor components of pine, spruce and other cypress varieties. The native forest cover found adjacent to the subject trail segment consists mainly of deciduous broadleaved trees, largely big leaf maple, red alder, willow, Oregon ash and black cottonwood.

7. Methodology

Each tree in the assignment was visually examined for outward defects and indications of decline. Tree diameters (diameter at breast height, 4.5' above ground level) were measured by tape or estimated. The tree heights were measured using a Spiegel Relaskop or estimated. Crown width in four cardinal directions was measured by tape or estimated. The tree assessment procedure involves the examination of many factors:

- The crown of the tree is examined for current vigor. This is comprised of inspecting the crown (foliage, buds and branches) for color, density, form, and annual shoot growth, limb dieback and disease. The percentage of live crown is estimated for coniferous species only and scored appropriately.
- The bole or main stem of the tree is inspected for decay, which includes cavities, wounds, fruiting bodies of decay (conks or mushrooms), seams, insects, bleeding, callus development, broken or dead tops, structural defects and unnatural leans. Structural defects include crooks, forks with V-shaped crotches, multiple attachments, and excessive sweep.
- The root collar and roots are inspected for the presence of decay, insects and/or damage, as well as if they have been injured, undermined or exposed, or original grade has been altered.

Information for the trees subject to this report can be found on the attached Tree Condition Summary Table.

8. Observations/Discussion

Beginning at Station 468 and working south

Station 467 to 459 – Tree #8056 - #8092

This segment is primarily big leaf maple and black cottonwood trees. Most of the trees in this area are outside the C&G limits and can be successfully retained.

The black cottonwoods in the subject area range in condition. Most are mature. Common defects include forked trunks with included bark. The big leaf maples in the subject area are generally mature specimens with co-dominant stems and large, widespread crowns. Common defects observed were dead stems and co-dominant stems with included bark.

Monitor Trees

Tree #8087 is a 12" DBH black cottonwood. This tree has noteworthy dieback in the upper crown.

Tree #8080 is a Douglas-fir with two co-dominant stems. This tree has included bark at the point of stem attachments. It is also infected with a decay pathogen. The subject tree is 38' from the trail edge.

Station 464 to 459 – Tree #8093 - #8119

The subject area is primarily big leaf maple and black cottonwood trees. Common defects include forked trunks, leaning trunks, and branch failures.

There is a row of non-significant Douglas-fir trees near station 461-00. This row of trees is within the fill line and will have to be removed. Between station 460 and 459 there is a Leyland cypress hedge in the C&G limits that will have to be removed.

Monitor Trees

Tree #8108 is a big leaf maple adjacent to stream #0143L. This tree has a forked trunk, broken tops, and trunk decay (whiter rot).

Tree #8117 is a big leaf maple with co-dominant stems and included bark at the point of attachment. There is decay at the point of branch attachment.

Tree #8119 is a 19" black cottonwood over 20' from the trail edge. The subject tree has a slight lean west towards the trail.

Station 459 to 455 – Tree #8120 - #8140

The subject area is a mix of native and non-native species. Notable defects observed include leaning trunks, ivy covering lower trunks and co-dominant stems.

There are non-significant trees on the west edge of the trail within the C&G limits for the majority of this segment.

Trees #8131 - #8133 will be compromised by the proposed stairway and necessitate removal.

Station 455 to 450 – Tree #8141 - #8167, #8169

The subject area has a few spread out clusters of trees. There are a few small wetlands and streams on both sides of the trail. The subject trees are primarily native species with a minor component of non-native tree species. Common defects include leaning trunks, co-dominant stems and trunk bleeding.

Tree #8159 is a 21" DBH western red cedar. This tree is on the C&G line but far from the fill limit. This tree should be retained.

Monitor Trees

Tree #8146 is a mature western hemlock with bleeding on the lower trunk, indicator of internal stem decay.

Tree #8167 is a red alder with co-dominant stems. One trunk leans west towards the trail. This tree is adjacent to the C&G limits.

The addition of parking area at station 450+50 will require the removal of trees #8163, #8165, 381666 and #8167.

Station 450 to 445 – Tree #8168, #8170 - #8184

There are small wetlands and streams on the east side of the trail. There are few trees scattered throughout and a cluster of trees near station 445.

Tree #8170 is a red alder leaning west towards the trail. The subject tree is outside the C&G limits. This tree has significant decay and is declining. Removal is recommended.

Station 445 to 440 – Tree #8185 - #8233, #8235, #8236, #8246 - #8250

The majority of the trees in this section are big leaf maple trees. There's a minor component of Douglas-fir trees and Leyland cypress trees.

There is a laurel hedge at station 442 within the C&G limits that will have to be removed.

Monitor Trees

Tree #8246 is a mature big leaf maple tree adjacent to George Davis Creek. This tree has a co-dominant stem with poor attachment.

Trees #8209 and #8248 are big leaf maple trees just inside the C&G line. If feasible, these will be retained depending on the degree of impacts related to trail improvements.

Station 440 to 435 – Tree #8237 - #8245, #8251 - #8254

This area has a mix of native and non-native tree species scattered along the trail. Noted defects include trunk wounds, dead stems and forked trunks.

Tree #8240 is a flowering cherry adjacent to the public driveway #22. This tree has a dead trunk that should be removed to abate risk.

Station 435 to 430 – Tree #8255 - #8276

The majority of the trees in this segment are big leaf maple trees. There are additionally Douglas-fir and Oregon ash tree(s). The most common defects observed are trunk decay, co-dominant stems, broken tops and leaning trunks. The majority of trees are outside of the C&G limits and will be retained/saved. Tree #8267 will be compromised by retaining wall construction so therefore proposed for removal.

Nearly the entire east side of the trail has non-significant trees forming a hedge. These trees are within the fill or C&G limits.

Monitor Trees

Trees #8768 - #8274 are a clump of big leaf maple trees. This cluster of trees is approximately 25' from the trail edge. These trees exhibit signs of decline. Some of the trees have evidence of Kretzchmaria (soft rot) at their base, leaning trunks and/or a broken top.

Station 430 to 425 – Tree #8277 – #8292

All but one of the trees in this segment is within the fill or C&G limits and will have to be removed. Additionally there is a row of Leyland cypress trees at station 427 and a hedge of miscellaneous species between stations 430 and 429 that will have to be removed for construction of the trail.

Station 425 to 420 – Tree #8293 - #8326

This segment is primarily rows of Leyland cypress trees planted closely to the trail. Common defects included topped stems, co-dominant stems and leaning trunks.

Tree #8295 - #8315 are a row of Leyland cypress trees with a few western red cedar trees scattered within in it. All 21 trees are within the fill line and will have to be removed for trail improvements.

Tree #8316 - #8326 are a row of Leyland cypress trees just outside the C&G limits. This row of trees can be successfully retained.

Station 420 to 415 – Tree #8327 - #8367

This segment has a variety of native and non-native species. Most are in close proximity to the trail and the majority are feasible for retention. Near stations 417 and 418, there are several trees on the west side of the trail that will be compromised by trail improvements, necessitating removal.

Tree #8327 - #8338 are Leyland cypress trees east of the trail. These cypress trees are not within the fill limit and will easily be retained.

Station 414 to 410 – Tree #8368 - #8375, #8388 - #8392

This segment has two wetlands and a variety of trees dispersed throughout.

There is a Leyland cypress hedge at station 413 that is within the C&G limits and will have to be removed.

Tree #8373 and #8374 are Douglas-fir trees within the C&G limits but near the edge. These will be retained if feasible, both are young specimens that may be able to tolerate the proposed impacts.

Station 410 to 405 – Tree #8376 - #8387, #8393 - #8405, #8423 - #8427

This segment has a row of conifers on the west side and a wetland on the east side. All but two of the significant trees in this segment are viable for retention.

Tree #8376 - #8385 and #8393 - #8395 are Douglas-fir trees, west of the trail and close to the C&G limits but viable for retention.

Tree #8423 - #8427 are Oregon ash trees in the wetland east of the trail. These trees have a variety of defects including dead stems and poor structure. The Oregon ash trees are in fair condition and are all viable.

There is a Leyland cypress hedge from station 408 to 406+50.

Station 405 to 400 – Tree #8406 - #8423, #8435 - #8445

Between station 405 and 404 there are a row of primarily western red cedar trees. The majority of these are within the C&G limits and close to the fill line. Western red cedar trees are not tolerant of root disturbance, the majority of these trees will have to be removed.

Large extents of this segment have non-significant arborvitae hedges west of the trail edge. These arborvitae are within the fill limit and will have to be removed.

Station 400 to 395 – Tree #8446 - #8494

This segment is mainly Douglas-fir trees and Leyland cypress trees.

There is an arborvitae hedge west of the trail in the C&G limits between stations 397 and 396. These arborvitae trees will be need have to be removed.

Tree #8494 is a mature willow tree inside the C&G limits. Removal is warranted.

Station 395 to 390 – Tree #8495 - #8591

This segment comprises a mix of species, primarily planted.

Tree #8496 - #8501 are Douglas-fir trees west of the trail, on the C&G line. These trees were planted too closely together and structural defects are common as a result. These trees are viable for retention.

Tree #8502 - #8519 are Leyland cypress trees west of the trail. Poor trunk taper and trunk leans afflict many of these trees. This is the result of these trees being planted too closely together. In addition to structural defects, some of the trees have been impacted by construction on the west side. All of these are inside the C&G line and proposed for removal.

Tree #8520 - #8528 are Leyland cypress trees near the C&G limits. This row of trees was also planted too closely together. All are considered to be in fair condition and should be saved if possible.

There are two non-significant arborvitae trees near station 392. These trees are within the C&G line and will be removed for trail construction.

Station 390 to 385 – Tree #8592 - #8615

This segment has a mix of species, the majority being non-native conifers. There is also a component of native hardwood trees. Tree spacing is good in this segment. Common defects observed include poor structure and dieback.

Monitor Trees

Tree #8603 is a Scots pine 14' east of the trail. The subject tree has a forked trunk with included bark at the point of attachment. This tree is a moderate risk but is semi-protected in its current grouping.

Tree #8615 is a mature flowering cherry tree over 30' from the east side of the trail. This tree has major crown dieback.

Station 385 to 380 – Tree #8623 - #8633, #8637 - #8639

This segment is wetland on both sides of the trail. There are few significant trees. All of the trees in this segment are native hardwood trees.

Monitor Trees

Tree #8623 is a black cottonwood with an old trunk wound. This tree is 90' tall and 24' west of the trail edge.

Tree #8626 is a black cottonwood close to the driveway but over 30' from the trail edge. This tree is 96' tall. The subject tree has exposed surface roots.

Station 380 to 375 – Tree #8634 - #8636, #8640 - #8679, #8686 - #8689

This segment is a mix of native species with some non-native hardwoods interspersed. There are hardwood species dispersed throughout the segment and a row of Douglas-fir trees on the west side of the trail.

The Douglas-fir trees in this segment were planted very closely together. Some exhibit signs of suppression such as small live crown ratios and structural defects. Tree #8659 and #8660 are Douglas-fir trees on the C&G line. Both trees are semi-mature and have minimal defects. These trees should be saved if possible.

There are four willow trees. All four have severe trunk decay and will be impacted by the trail. The western red cedar trees are young and in excellent condition.

Driveway re-alignment and fish passage culvert work at station 379 (Pine Lake Creek) will require the removal of trees #45042, #45043, #45105, #45178 and #45179. The large redwood trees #45208 and #45209 will be monitored and protections taken to ensure long-term viability.

Monitor Tree

Tree #8687 is a big leaf maple is a mature tree east of the trail edge. This tree has a forked trunk and some included bark at the branch attachment. This tree is 27' from the trail edge

Station 375 to 370 – Tree #8680 - #8685, #8690 - #8702

This segment is a mix of native species. The west side is primarily conifers and the east side of the trail is native hardwoods.

Tree #8680 - #8685 are western red cedar. Trees are considered young and in good condition. One western red cedar, #8680 is in the C&G limit and will have to be removed.

The black cottonwood trees, #8693 - #8701, have a range of defects. Common defects include poor trunk taper, unbalanced crowns and stem failures. All of these trees are far enough from the trail for successful retention.

Tree #8692 is a big leaf maple tree 26' east of the trail. The subject tree has dead stems that should be clearance pruned. Additionally, the ivy on the lower trunk should be removed.

There are two rows of arborvitae hedges on the west side of the trail. Both are within the C&G limits and will have to be removed. One is located at station 374 and the other is from station 373 to 372.

Monitor Tree

Tree #8690 is a mature big leaf maple tree 19' east of the trail. This tree has a forked trunk with some included bark at the point of attachment. The tree currently poses a moderate-low risk to the trail.

Station 370 to 365 – Tree #8703 - #8714

This segment is a mix of native conifers, non-native conifers and a black cottonwood. The trees are well spaced. Common defects include broken tops, low vigor and a leaning trunk.

The western red cedar trees are in good to excellent condition. One tree, #8705, has limb tip dieback on the north side.

There is an arborvitae hedge that begins at station 370 and extends to station 361. This hedge is within the C&G limits and will have to be removed.

Station 365 to 360 – Tree #8715 - #8718, #8025 - #8034

This segment is a mix of native hardwood and conifer trees scattered throughout.

There is an arborvitae hedge that begins at station 370 and extends to station 361. This hedge is within the C&G limits and will have to be removed.

There is a laurel hedge from station 361 to 360. This hedge is within the C&G and will have to be retained.

Monitor Trees

Tree #8025 is a black cottonwood with poor trunk taper. This tree is in close proximity to the trail and is currently a moderate risk.

Tree #8026 is a black cottonwood with a trunk that forks 8' from the ground. This tree is 22' from the trail and currently poses a moderate risk.

Tree #8033 is a red alder 20' from the trail. This tree is declining and has dieback in the crown. The subject tree is a moderate risk.

Station 360 to 355 – Tree #8017 - #8024

This segment has very few trees, all are in fair to excellent condition. Common defects include leaning trunks and limb tip dieback.

Monitor tree

Tree #8020 is a red alder 13' east of the trail. This tree leans west towards the trail and poses a moderate risk.

Station 355 to 350 – Tree #8000, #8002, #8003, #8005 - #8016

This segment has very few significant trees, widely spaced throughout the segment. There are a variety of species. Notable defects observed include leaning trunks, butt swell and a crooked trunk.

There are two arborvitae hedges that are within the C&G limits and will have to be removed. One is west of the trail between stations 352 and 353. The other is between station 351 and 350.

Station 350 to 345 – Tree #8719 - 8724

This segment has seven significant trees. All seven are in fair to good condition. With the exception of #8722, all are within the C&G limits and will have to be removed.

There is a laurel hedge extending from station 350 to 349. There is an arborvitae hedge extending from approximately station 349 to 347+50. These hedges are within the C&G limits and will have to be removed to the construction of the trail.

Station 345 to 340 – Tree #8725

There is one significant tree in this segment, tree #8725. Tree #8725 is a flowering cherry in fair condition. There is ivy covering the trunk of this tree. This tree is 8' west of the trail edge and outside of the C&G limits. This tree is proposed to be saved.

There are hedges near station 343 on both sides of the trail. These non-significant trees are within the C&G limits and will have to be removed for the construction of the trail.

Station 340 to 335 – Tree #8726 - #8731, #8733 - #8736

This segment has a variety of native tree species spread throughout. The majority are black cottonwood trees with a minor component of Douglas-fir, flowering cherry and pacific madrone.

The black cottonwood trees have a variety of defects including poor stems attachment, topped trees and unbalanced crowns.

The Douglas-fir trees, #8727 and #8735, have no concerning defects. These trees are in good to excellent condition.

The flowering cherry tree, #8734, is semi-mature and has a forked top. This tree is in good condition and poses a low risk.

Station 335 to 330 – Tree #8732, #8737 – #8752, #8754

This segment is a mix of native species well-spaced throughout the ROW. Black cottonwood and Douglas-fir are the most common species. The most common defects are forked tops, suppressed form and branch dieback.

Monitor Trees

Tree #8739 is a mature black cottonwood tree. This tree has a DBH of 38" and is 130' tall. The subject tree is 24' east of the trail. This tree currently poses a moderate risk to the trail.

Tree #8744 is a mature black cottonwood tree, 29' east of the trail. This tree is in fair condition and poses a moderate risk.

Tree #8745 is an Oregon ash tree 18' east of the trail next to the C&G limit. This tree has poor form caused by suppression. This tree has a heavy natural lean to the southwest.

Station 330 to 325 – Tree #8755 - #8765

This segment is primarily non-native species. The species in order of abundance are Douglas-fir, Leyland cypress, Japanese white pine, honey locust and green ash. These have Common structural defects from being planted too closely together, forked trunks and topped trees.

There's a small arborvitae hedge between station 328 and 329.

Station 325 to 320 – Tree #8766 - #8774

This segment has a few significant trees of mixed species close to the trail.

Trees #8768 – #8771 are Douglas-fir trees on the C&G line. All four trees were topped and are in fair condition. These trees can be retained successfully and some pruning may be necessary.

There are two big leaf maple trees, #8766 and #8767 in this segment. Both trees were topped, have significant decay and dieback. Both trees are in the C&G limits and will be removed.

Tree #8772 is a pacific madrone with a forked trunk and limb dieback. This tree is 12' w of the trail edge. The subject tree is in fair condition and can be retained.

Tree #8773 and #8774 are Leyland cypress trees. Both trees have multiple trunks, are in fair condition and can be retained.

Station 320 to 315 – Tree #8775 - #8789

This segment is a mix of native and non-native tree species. There are few significant trees in this segment.

There are three corkscrew willow trees, #8786 - #8788, in this segment. All three lean west towards the trail and have some amount of limb dieback. All three trees lean west towards the trail. Tree #8787 is a corkscrew willow that needs to be pruned back to reduce the risk. Currently tree #8787 poses a moderate risk but with pruning this tree risk could be reduced to low.

There are three western red cedar trees, #8780 - #8782, west of the trail. All three are in good condition, are far from the trail and will be easily retained.

There is an arborvitae hedge on the west side from approximately station 319 to 317. From approximately station 317 to 316 there is a laurel hedge on the west side. There is a laurel hedge east of the trail from approximately station 318 to 316. All of these non-significant trees are within the C&G limits and will have to be removed for trail construction.

Monitor

Tree #8778 and #8779 are Oregon ash trees east of the trail, outside of the C&G limit. Both trees are mature and have moderate crown dieback. Both trees. Tree #8778 has deadwood hanging over the trail and #8779 has low vigor.

Section 315 to 310 – Tree #8791 - #8801

This segment is primarily native species. The most common species is Douglas-fir followed by big leaf maple, bitter cherry and red alder. The majority of these trees will be retained.

There are seven Douglas-fir trees in the segment. Some of these trees have thin crowns, forked trunks or ivy covering the lower tree trunks. All of the Douglas-fir trees are in fair to good condition. A few are in the C&G limits and will have to be removed for the trail construction.

Section 310 to 305 – Tree #8808 - #8811, #8816 - #8824

This segment has a variety of species, widely spaced. Only one significant tree, an 8" DBH Leyland cypress, in this segment will be removed for the trail construction.

The Douglas-fir trees, #8811, #8818 - #8823, are semi-mature. Some are on the top of a steep slope. All are at least 10' from the trail edge. Defects include limb dieback, broken tops and leaning trunks.

There are two pacific madrones, #8816 and #8817. Both trees have co-dominant stems, moderate crown dieback and are located on steep slopes. These trees will be impacted by trail construction but retention is likely feasible.

There is one bishop pine, #8824, 20' east of the trail edge. This tree has poor form, a forked top and is in fair condition. This tree can be successfully retained.

Section 305 to 300 – Tree #8812 - #8815, #8825 - #8851

This segment is a mix of native species, evenly dispersed throughout the segment. The most common species are Douglas-fir followed by western red cedar, big leaf maple, Oregon ash, Ponderosa pine and Pacific madrone. The majority of the trees in this segment will be retained.

The Douglas-fir trees in this study area range from semi-mature to mature. Common defects include forked tops, leaning trunks, forked trunks with included bark and cambial ruptures. The Douglas-fir trees range from fair to excellent condition.

Monitor Tree

Tree #8839 is an over mature Oregon ash tree over 20' west of the property line. This tree has low vigor and significant crown dieback.

Section 300 to 295 – Tree #8852 - #8863

This segment has a mix of tree species. The tree species in order of abundance are Douglas-fir, big leaf maple, pacific madrone, Atlas cedar, scots pine and Norway maple.

There are two pacific madrone trees, #8860 and #8862, both trees are leaning and have crown dieback. These trees are in fair condition. One is located within the C&G limits and adjacent to the cut line and will have to be removed.

Monitor

Tree #8861 is a big leaf maple with five co-dominant stems 27' east of the trail edge, close to the C&G limits. Some of the tree trunks lean towards the trail and could be problematic in the future.

Section 295 to 290 – Tree #8864 - #8876

This segment is primarily native tree species. There are few trees in this segment. The majority are western red cedar trees and big leaf maple trees. There are additionally two Scot's pines. The majority of the big leaf maple trees have co-dominant stems as their primary defect. The western red cedar trees are in good condition and are viable.

Segment 290 to 285 – Tree #8877 - #8879

This segment has very few significant trees. There are a lot of invasive species in this segment, primarily Himalayan blackberry. All three significant trees are far from the trail and will be retained.

9. Analysis and Testing

No laboratory testing was initiated as part of this assignment.

10. Conclusions

A total of 254 significant trees existing within the proposed clearing limits will need to be removed to make way for trail improvements. The vast majority of these are young to semi-mature specimens that were planted. All trees, both significant and non-significant to be removed from within the proposed clearing limits are listed on the attached tree summary tables.

A total of 19 significant trees outside of the proposed clearing limits are recommended for removal. Information for these trees can be found on the attached tables. These are trees that are in serious decline, and/or have developed significant defect and have a high potential to fail toward the trail and/or will be compromised by construction. The removals primarily involve red alder and black cottonwood trees that are declining and/or have developed excessive leans toward the trail. Removal is warranted to create a safe working environment and abate potentially hazardous conditions.

Of the 847 significant trees assessed, 144 are 'Heritage' trees (>22") and 45 are 'Landmark' (>32"). Nine 'Landmark' trees and 40 'Heritage' trees are proposed for removal.

The recommended actions for subject trees that exist outside of the clearing and grading limits are provided on the attached tables. There are a few pruning recommendations to reduce current moderate to high risk conditions. Trees with a recommendation to monitor shall be periodically inspected during the construction phase.

Once grade stakes and clearing limits are established on site, the assignment area shall be evaluated by the project arborist to ensure concurrence with the initial condition assessment and recommendations of this report. Cuts and fills shall be limited to the extent necessary for construction activities, and existing grades shall be left undisturbed where feasible to achieve the design standards of the improvements.

There is no warranty suggested for any of the trees subject to this report. Weather, latent tree conditions, and future man-caused activities could cause physiologic changes and deteriorating tree condition. Over time, deteriorating tree conditions may appear and there may be conditions, which are not now visible which, could cause tree failure. This report or the verbal comments made at the site in no way warrant the structural stability or long term condition of any tree, but represent my opinion based on the observations made.

Please call if you have any questions or if we can be of further assistance.

Sincerely,



Bob Layton
ISA Certified Arborist #PN-2714A
ISA Tree Risk Assessment Qualified



Kelly Wilkinson
ISA Certified Arborist #PN-7673A
ISA Tree Risk Assessment Qualified

Tree #	Species	DBH (inches)	Height (feet)	N S E W				Defects	Condition	Risk	Comments	Distance from trail edge	Impacted by Trail	Pruning Required	In C&G	Recommendation
				N	S	E	W									
8000	Korean fir	19	31	11	12	na	13	none	excellent	low	full crown, good vigor, young to semi-mature, minor pruning close to trail, problematic	12	Y	N	Y	save
8001	black cottonwood	17	85	14	12	10	na	crooked top	fair	low		3	Y	Y	N	remove
8002	black cottonwood	22	101	5	13	6	7		good	low		31	N	N	N	save
8003	black cottonwood	19	101	6	11	5	11		good	low		34	N	N	N	save
8004	black cottonwood	26	107	7	9	12	7		good	low		35	N	N	N	save
8005	black cottonwood	21	62	7	11	11	12		good	low		25	N	N	N	save
8006	black cottonwood	29	91	3	8	5	12		good	low		18	Y	N	N	save
8007	black cottonwood	41	98	13	14	13	4	slight lean E	good	moderate		16	Y	N	N	save
8008	black cottonwood	31	81	14	5	3	16		good	low		19	Y	N	N	save
8009	Douglas-fir	14	56	6	10	16	8	lower trunk growth	good	low		15	Y	Y	N	remove
8010	Douglas-fir	24	101	16	17	19	16	no defects	fair	low		18	Y	N	N	save
8011	decid. cedar	13	47	7	11	na	11	self-corrected lean, natural	good	low	no concerns	25+	N	N	N	save
8012	Douglas-fir	29	84	8	12	na	14	no concerns	good	low	no concerns	25+	N	N	N	save
8013	Douglas-fir	17	92	6	10	na	12	no concerns	fair	low	no concerns	13	Y	N	N	save
8014	Douglas-fir	32	94	12	6	na	10	butt swell	fair	moderate	old broken top, forked, possible schwinitzli infection	14	Y	N	N	save
8015	Douglas-fir	39	126	7	19	16			excellent	low		13	Y	N	N	save
8016	Douglas-fir	25	84	14	13	10	10	minor dieback in upper crown	good	low	compacted soils, impacted by driveway construction	14	Y	N	N	save
8017	western red cedar	27	61	19	18	16	18		good	low		17	Y	Y	N	save
8018	white fir	9	15	5				none	excellent	low	no concerns	7	Y	Y	Y	remove
8019	white fir	8	16	6				none	excellent	low	no concerns	6	Y	Y	Y	remove
8020	red alder	15	61	16	19	8	20	leans west	fair	moderate		13	N	Y	N	monitor
8021	Oregon ash	19	64	12	16	7	13	slight lean W	good	low		26	N	N	N	save
8022	big leaf maple	13	42	17	3	5	18		good	low		37	N	N	N	save
8023	big leaf maple	28	82	25	19	4	2		good	low		45	N	N	N	save
8024	Oregon ash	13	86	0	21	0	19	leans SW	fair	low		26	N	N	N	save
8025	black cottonwood	21	101	9	21	12	18	poor trunk taper	fair	moderate-low	close to trail	14	N	N	N	monitor
8026	black cottonwood	19	98	7	11	12	8	trunk forks at 8	fair	moderate-low		22	N	N	N	monitor
8027	black cottonwood	15	95	7	4	3	9	leans W	fair	moderate		24	N	N	N	remove
8028	black cottonwood	18	101	12	7	8			fair	low		27	N	N	N	save
8029	big leaf maple	2"-12"	70	17	18	8	20		fair	low	small branch failure likely, large failure unlikely	12	N	Y	N	save
8030	silka spruce	20	41	18	13	9	12	topped	good	low		8	Y	Y	Y	remove
8031	red alder	12	78	5	4	23	2	slight lean W	good	low		28	N	N	N	save
8032	red alder	12	69	12	8	4	17	slight lean W	good	moderate-low		25	N	N	N	save
8033	red alder	23	54	10	14	4	18	declining, dieback	fair	moderate-low		20	N	N	N	monitor
8034	red alder	12	89	0	16	3	17	slight lean W	good	low		30	N	N	N	save
8049	Douglas-fir	25	112	10	19	15			good	high		18	Y	N	Y	remove
8045	pacific madrone	18, 19, 17	78	11	10	19	15	dead	good	high		26	N	N	N	remove
8056	black cottonwood	15	94	16	15	18	17		fair	low		25	N	N	N	save
8057	black cottonwood	13	79	25	9	10	16		fair	low		32	N	N	N	save
8058	pacific madrone	13	52	34	6	32	5	decay, leans w, minor dieback	fair	low		28	N	N	N	save
8059	black cottonwood	39	72	12	8	8	16	20% crown, dead codominant stem	poor	moderate		25	N	N	N	remove
8060	pacific madrone	10	43	7	3	0	13	leans w	fair	low		25	N	N	N	save
8062	black cottonwood	26	94	14	17	2	16		fair	low		27	N	N	N	save
8063	black cottonwood	27	64	12	3	17	10	broken top, 20% lcr	poor	moderate	declining	25	N	N	N	remove
8065	black cottonwood	29	132	7	17	8	16	shear cracks	fair	low		25	N	N	N	save
8066	big leaf maple	13	56	16	13	18	9	forks at 15'	fair	low		24	Y	N	N	save
8067	black cottonwood	19	119	13	15	12	13		fair	low		35	N	N	N	save
8068	big leaf maple	15	69	26	23	0	17		fair	low		12	N	N	N	save
8069	big leaf maple	12	78	11	15	0	20		fair	low		12	N	N	N	save
8070	big leaf maple	11, 14, 6	105	18	0	0	17	dead codominant stems, forks at 2'	fair	moderate-low		15	N	N	N	save
8071	big leaf maple	11, 6, 16, 10	75	19	20	9	28	dead codominant stems	fair	low		20	N	N	N	save
8072	big leaf maple	12, 15, 20	89	2	14	10	19	incipient white rot infection	fair	moderate-high		28	N	N	N	save
8073	big leaf maple	12, 14	102	32	5	4	29	codominant stems fork at 3', some included bark	fair	low		35	N	N	N	save
8074	big leaf maple	17, 21	109	12	5	18	27		fair	low		36	N	N	N	save
8075	Douglas-fir	38	117	13	7	9	7		good	low		44	N	N	N	save
8076	Douglas-fir	12	52	10	12	3	12		good	low		40	N	N	N	save
8077	big leaf maple	13	106	3	5	0	16	leans w	fair	low		30	N	N	N	save
8078	big leaf maple	16, 19	93	9	6	0	19	dead stems	fair	low	missing tag	36	N	N	N	save
8079	big leaf maple	11, 10	96	5	12	12	16	dead stems	fair	low	declining, low risk	38	N	N	N	save
8080	Douglas-fir	11, 17	97	12	8	4	13	schwinitzli conks next to base, forks at 2', included bark	fair	moderate		38	N	N	N	monitor
8081	big leaf maple	21	90	11	6	8	19	dead stems	fair	low		36	N	N	N	save
8082	big leaf maple	13, 6	76	0	0	0	12	decay, severe decline	poor	moderate		29	N	N	N	remove
8083	big leaf maple	12	69	0	6	8	9	decay, severe decline	poor	moderate		32	N	N	N	remove

Exhibit 61
885617

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
												Impacted by Trail	Required			
8084	big leaf maple	16	84	4	16	6	15		fair	low		10	Y	N	N	save
8085	big leaf maple	11, 15	89	12	3	5	21	forks at 1'	fair	moderate-low		13	Y	N	N	save
8086	big leaf maple	12	86	7	8	0	16	decay cavity at 8'	fair	moderate-low		10	Y	N	N	save
8087	black cottonwood	12	77	14	4	3	5	20% dieback	fair	moderate-low		32	N	N	N	monitor
8088	big leaf maple	12	59	15	3	17	4		fair	low		35	N	N	N	save
8089	big leaf maple	13, 14	59	10	3	15	16	forks at 1', adjacent to creek	fair	low		33	N	N	N	save
8090	black cottonwood	15	70	17	0	5	6		fair	low		35	N	N	N	save
8091	black cottonwood	17, 29	107	28	6	5	10	forks at 1'	fair	low		22	Y	N	N	save
8092	big leaf maple	16	91	14	8	17	6		fair	low		15	Y	Y	Y	remove
8093	black cottonwood	34	124	33	5	15	2	forks at 6', included bark	fair	low		19	N	N	N	save
8094	black cottonwood	52	123	14	8	6	12	forks at 7', included bark	fair	low		25	Y	N	N	save
8095	big leaf maple	12	62	13	7	15	8		fair	low		14	Y	Y	Y	remove
8096	black cottonwood	23	72	0	0	0	18	leans w	fair	low		26	N	N	N	save
8097	black cottonwood	20	95	7	6	6	8		fair	low		23	N	N	N	save
8098	black cottonwood	16	97	7	5	3	9		fair	low		29	N	N	N	save
8099	black cottonwood	23	106	10	12	4	15		fair	low		25	N	N	N	save
8100	big leaf maple	12	55	8	17	5	10		fair	low		30	N	N	N	save
8101	black cottonwood	35	145	16	12	8	9		fair	low		20	Y	N	N	save
8102	black cottonwood	17	86	8	9	6	8	leans n, dead top, declining	poor	low	whole tree failure unlikely	35	Y	N	N	save
8103	big leaf maple	12	85	16	15	9	8		fair	low		15	Y	Y	Y	remove
8105	big leaf maple	56	92	18	19	14	16	dead stems, forks at 6'	fair	low		23	N	N	N	save
8106	big leaf maple	22	57	5	10	8	10	codom stem failure	fair	low	adjacent to stream	13	N	N	N	save
8107	big leaf maple	19	58	22	3	5	9	forks at 15', leans w	fair	low	adjacent to stream	15	N	N	N	save
8108	big leaf maple	26	68	18	17	5	15	forks at 5', some kretschmaria at base, broken tops, trunk decay	fair	moderate-low	adjacent to stream	11	Y	Y	Y	monitor
8109	Douglas-fir	8	50	9	6	6	13		fair	low		1	Y	Y	Y	remove
8110	Douglas-fir	11	49	5	12	7	11		fair	low		1	Y	Y	Y	remove
8111	big leaf maple	16, 15	73	10	12	9	12	minor dieback	fair	low		32	Y	N	N	save
8112	Oregon ash	16, 9	56	16	9	15	17	top broke off	fair	low		30	N	N	N	save
8113	corkscrew willow	13, 16	43	22	25	16	26		fair	low		8	Y	Y	Y	save
8114	bitter cherry	12	74	7	8	6	4		fair	low		30	N	N	N	save
8115	big leaf maple	20	65	8	9	5	13	broken top, hanging from tree	fair	low		28	N	N	N	save
8116	big leaf maple	15	48	4	10	15	19	extensive decay, kretschmaria, leans w	poor	moderate-low		22	N	N	N	remove
8117	big leaf maple	16, 13, 14	61	13	21	12	19	codominant stems, included bark, decay	fair	moderate-low		15	Y	N	N	monitor
8118	red alder	20, 19, 22	81	30	22	5	26	dead stems, declining, leans w over trail	poor	moderate		10	Y	N	N	remove
8119	black cottonwood	19	100	8	4	15		slight lean w	fair	moderate-low		25	N	N	N	monitor
8120	black cottonwood	25	108	15	12	4	13		fair	low		30	N	N	N	save
8121	black cottonwood	15	95	13	17	3	14	slight lean w	fair	low		17	N	N	N	monitor
8122	pacific madrone	9	64					dead, leans w	fair	low		22	N	N	N	remove
8123	black cottonwood	34	126	5	19	4	18		fair	low		20	N	N	N	save
8124	Douglas-fir	12	45	6	10	12	8		fair	low	on map as 11070	15	Y	N	N	save
8125	sitka spruce	11	41	12	6	8	9		fair	low		15	Y	N	N	save
8126	western red cedar	23	66	13	16	8	15		fair	low		7	Y	N	N	save
8127	eastern red cedar	24	71	8	9	10	8	3 codominant stems, forks at 15', included bark	fair	moderate-low	6' from stream	20	Y	Y	Y	remove
8128	Douglas-fir	28	90	10	8	13	10		good	low		8	Y	Y	Y	remove
8129	atlas cedar	29	90	21	9	16	17		good	low		12	Y	Y	Y	remove
8130	eastern red cedar	12	67	10	9	6	12	ivy	fair	low		15	Y	N	N	save
8131	western hemlock	9	70	6	4	0	7	small crown suppressed	fair	low		17	Y	Y	Y	remove
8132	Douglas-fir	39	109	19	18	22	18		good	low	new stairway will compromise	9	Y	Y	Y	remove
8133	western red cedar	13	66	9	10	10	6	ivy covering lower trunk	fair	low	new stairway will compromise	16	Y	Y	Y	remove
8134	corkscrew willow	27	30	10	0	0	25	leans nw	fair	low	adjacent to stream	17	N	N	N	save
8135	western red cedar	26, 24	98	9	13	15	16	forks at 2'	fair	moderate-low	adjacent to stream	7	Y	Y	Y	remove
8136	western red cedar	25	62	9	16	10	13	ivy covering trunk	fair	low		25	N	N	N	save
8137	western hemlock	10	62	2	22	16	16		fair	low		10	Y	Y	Y	remove
8138	Douglas-fir	13	73	8	7	10	8		good	low		5	Y	Y	Y	remove
8139	Douglas-fir	15	75	7	16	11	8		good	low		5	Y	Y	Y	remove
8140	Douglas-fir	13	70	12	14	10	12	forked trunk	good	low	already pruned	15	N	N	N	save
8141	Leyland cypress	18	55	13	11	10	6		fair	low		5	Y	Y	Y	remove
8142	Leyland cypress	16	52	18	0	10	16	forked trunk, leans nw	fair	low		6	Y	Y	Y	remove
8143	western red cedar	13	55	3	10	8	12		fair	low		7	Y	Y	Y	remove
8144	western red cedar	11	55	4	12	6	13		fair	low		5	Y	Y	Y	remove
8145	western hemlock	26	71	11	22	16	15		good	low		9	Y	Y	Y	remove
8146	western hemlock	31	75	13	14	12		codom stems poor attachment, included bark, bleeding	fair	moderate		22	N	N	N	monitor
8147	Douglas-fir	27	98	12	13			forked top	good	low		5	Y	Y	Y	remove
8148	big leaf maple	10, 8, 18, 13	52	12	21	14	16	forked trunk	fair	low		8	Y	Y	Y	remove
8149	lodgepole pine	14	59	13	12	10	13		fair	low		27	N	N	N	save
8150	western red cedar	22	52	15	13	9	16	slight lean n	fair	low		35	N	N	N	save
8151	big leaf maple	35	87	25	12	29	10	leans e	fair	low		11	Y	Y	Y	remove

Exhibit 61
865618

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
												Impacted by Trail	Required			
8216	big leaf maple	13, 13, 12, 9	86	2	16	6	19	dead stems	fair	low		9	Y	N	N	save
8217	big leaf maple	17, 18	80	10	13	12	19	some dead stems, lower trunk decay	fair	low		10	Y	N	N	save
8218	Leyland cypress	8, 10	29	13	11	12	11		fair	low		16	N	N	N	save
8219	big leaf maple	22, 20	82	22	16	21	5	dead stems, decay, Kretzschmaria	poor	moderate	close to parkway	30	N	N	N	save
8220	big leaf maple	16	60	11	8	16	6		fair	low		28	N	N	N	save
8221	big leaf maple	18, 19	80	29	26	19	2		fair	low		27	N	N	N	save
8222	big leaf maple	24	82	27	30	8	26	wound on lower trunk, decay	fair	low		24	N	N	N	save
8223	big leaf maple	16, 15, 7	96	16	12	17	13	small dead limbs, trunk forks at 20'	fair	low		30	N	N	N	save
8224	big leaf maple	15, 14	91	12	12	16	18		fair	low		25	N	N	N	save
8225	Douglas-fir	14	22	11	16	15	6	topped	fair	low		30	N	N	N	save
8226	big leaf maple	15	85	15	3	14	4		fair	low		26	N	N	N	save
8227	big leaf maple	17, 13, 14	91	14	24	18	10		fair	low		27	N	N	N	save
8228	big leaf maple	12, 11	89	14	17	10	26	dead stems	fair	low		10	N	N	N	save
8229	big leaf maple	16	72	18	5	6	18		fair	low		9	Y	N	N	save
8230	big leaf maple	16, 15	70	16	21	18	18		fair	low		9	Y	N	N	save
8231	big leaf maple	17, 16	77	8	19	6	20		fair	low		13	Y	N	N	save
8232	big leaf maple	12	83	7	22	6	15	some trunk decay	fair	low		10	Y	N	N	save
8233	big leaf maple	10, 18, 17	85	18	15	14	19		fair	low		15	N	N	N	save
8235	big leaf maple	18, 19	18, 19	18	15	14	19		fair	low		15	N	N	N	save
8236	big leaf maple	18, 17	115	16	28	11	23		fair	low		22	N	N	N	save
8237	Douglas-fir	14, 26	112	18	25	22	6		fair	low		28	N	N	N	save
8238	Douglas-fir	30	117	13	15	13	15		good	low		8	Y	N	N	save
8239	noble fir	18, 6, 15, 19	115	9	24	16	11		good	low	leg missing	32	N	N	N	save
8240	noble fir	15	9	7	8	6	5	topped	fair-poor	low		15	N	N	N	save
8241	flowering cherry	14	28	9	15	7	10	dead stem, dieback, topped	fair	moderate-low	remove dead trunk	30	N	Y	N	save
8242	noble fir	12	26	5	7	5	6	large wound on trunk	fair-poor	low		2	Y	Y	Y	remove
8243	noble fir	9	18					dead	fair-poor	low		6	Y	Y	Y	remove
8244	Leyland cypress	12	33	8	8	9	10		good	low		7	Y	Y	Y	remove
8245	big leaf maple	16, 19	54	8	14	10	13	forks at 3', ivy covering trunk	fair	low		6	Y	Y	Y	remove
8246	Douglas-fir	23	96	11	13	14	14		good	low		13	Y	N	N	save
8247	big leaf maple	35	96	12	38	15	15	codom stems	fair	low		26	N	N	N	monitor
8248	big leaf maple	24	91	6	17	24	0		fair	low		21	N	N	N	save
8249	big leaf maple	14	82	0	16	29	0	leans w	fair	low	adjacent to George Davis Creek	16	Y	N	Y	monitor
8250	big leaf maple	25	81	15	10	21	26	stem failures	fair	low		27	N	N	N	save
8251	Douglas-fir	15	69	18	12	16	3	slight lean e	fair	low		25	N	N	Y	remove
8252	decid. cedar	17	46	11	8	3	10	ivy covering trunk	good	low		2	Y	Y	Y	remove
8253	Douglas-fir	22	79	6	18	13	21		good	low		18	N	N	N	save
8254	big leaf maple	14, 5, 8, 5, 5, 6, 4, 12, 7, 7, 6, 7, 3, 6, 6	77	28	15	17	19		fair	low		22	N	N	N	save
8255	big leaf maple	8, 10, 14	76	9	18	13	10	ivy covering trunk	fair	low		15	N	N	N	save
8256	Douglas-fir	12	65	18	8	8	11		good	low		24	N	N	N	save
8257	big leaf maple	18, 16	68	17	14	17	17	forks at 3'	fair	low		14	Y	N	N	save
8258	Douglas-fir	10	47	14	17	16	14		good	low		14	Y	N	N	save
8260	big leaf maple	17, 16	67	13	15	7	12	decay in trunk, codom stems	fair	moderate-low		11	Y	N	N	save
8262	big leaf maple	13	63	5	16	16	12		fair	low		19	Y	N	N	save
8263	Douglas-fir	17	72	12	7	9	8		good	low		22	Y	N	N	save
8264	big leaf maple	27, 13	95	15	19	18	17	cavity in lower trunk	fair	low		18	Y	N	N	save
8265	big leaf maple	19, 18	67	14	13	23	16		fair	low		16	Y	N	N	save
8266	big leaf maple	29	73	8	19	2	23	large amount of trunk decay, Kretzschmaria (white rot)	poor	high		14	Y	Y	Y	remove
8267	big leaf maple	30, 16	94	9	13	6	18	slight lean W, dead stems, small foliage (not normal)	fair	low		21	Y	Y	Y	remove
8268	big leaf maple	23	92	29	0	3	14		fair	low		26	N	N	N	monitor
8269	big leaf maple	33	93	14	7	7	8		fair	low		29	N	N	N	monitor
8270	big leaf maple	18	99	8	13	7	8	Kretzschmaria (white rot)	fair	low		26	N	N	N	monitor
8271	big leaf maple	19	92	6	13	4	24	broken top	fair	moderate-low		25	N	N	N	monitor
8272	big leaf maple	20	98	4	15	8	11		fair	low		27	N	N	N	monitor
8273	big leaf maple	18, 12	100	3	19	7	6	Kretzschmaria, slight lean S	fair	moderate-low		29	N	N	N	monitor
8274	big leaf maple	14	65	0	16	6	17		fair	low		25	N	N	N	monitor
8275	Oregon ash	18, 28, 14	76	18	26	15	21	codominant stems	fair	low		10	Y	Y	Y	remove
8276	Douglas-fir	20	71	13	13	9	9		fair	low		9	Y	Y	Y	remove
8277	Douglas-fir	12	62	12	6	8	8	some concerning foliage loss	fair	low		8	Y	Y	Y	remove
8278	Douglas-fir	15	68	8	12	8	12	some concerning foliage loss	fair	low		8	Y	Y	Y	remove
8279	Douglas-fir	17	67	7	15	9	11		fair	low		9	Y	Y	Y	remove
8280	paper birch	15	40	12	4	6	5	severe dieback, 20% lcr	poor	moderate		7	Y	Y	Y	remove
8281	Leyland cypress	9	38	11	6	10	9		fair	low		8	Y	Y	Y	remove
8282	paper birch	13	46	0	0	2	12	severe dieback, 20% lcr	poor	moderate		6	Y	Y	Y	remove

Exhibit 61
865620

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
												Impacted by Trail	Required			
8283	paper birch	11	34	3	4	3	4	severe dieback, 20% lcr	poor	moderate		6	Y	Y	Y	remove
8284	western red cedar	16	57	10	6	12	5		fair	low	connected at base to 8285	10	Y		Y	remove
8285	western red cedar	9	49	6	2	7			fair	low	connected at base to 8284	10	Y		Y	remove
8286	decid. cedar	21	58	4	4	6	8	forked trunk	fair	low		8	Y		Y	remove
8287	paper birch	12	53	4	8	7		severe dieback, 30% lcr	poor	moderate		6	Y		Y	remove
8288	silka spruce	9	27	12	6	7	7		good	low		6	Y		Y	remove
8289	western red cedar	11, 15	38	14	13	9	12	forks at 2'	fair	low		7	Y		Y	remove
8290	Douglas-fir	9	33	12	10	9	6		good	low		5	Y		Y	remove
8291	Douglas-fir	10	41	12	9	10	10		good	low		6	Y		Y	remove
8292	crabapple	12	25	14	17	12	15	sapsucker holes	fair	low		22	N	N	N	save
8293	willow	29	28	26	4	25	12	leans north	fair	low	adjacent to stream	20	Y		Y	remove
8294	western red cedar	10	34	8	10	11	8		good	low		35	N	N	N	save
8295	Leyland cypress	9, 7, 7, 7, 6, 6	28	12		8		leans N, topped	fair	low		7	Y		Y	remove
8296	Leyland cypress	10	28		7			topped	fair	low		6	Y		Y	remove
8297	Leyland cypress	9	28		8			topped	fair	low		6	Y		Y	remove
8298	Leyland cypress	8	28		9			topped, codominant stem failure	fair	low		6	Y		Y	remove
8299	Leyland cypress	8	28		10			topped	fair	low		6	Y		Y	remove
8300	Leyland cypress	8	28		8			topped	fair	low		6	Y		Y	remove
8301	Leyland cypress	8	28		7			topped	fair	low		6	Y		Y	remove
8302	Leyland cypress	8	25		7			topped	fair	low		6	Y		Y	remove
8303	western red cedar	17	58	12	11	10	10		good	low		9	Y		Y	remove
8304	Leyland cypress	9	25	7	8	10	9	topped	fair	low		6	Y		Y	remove
8307	Leyland cypress	9	25	9	8	10	9	topped	fair	low		7	Y		Y	remove
8308	Leyland cypress	8	23	7	8	9	9	topped	fair	low		6	Y		Y	remove
8309	western red cedar	20	60	16	15	12	11		fair	low		9	Y		Y	remove
8310	western red cedar	16, 7, 9	51	10	9	13	12		fair	low		8	Y		Y	remove
8311	Leyland cypress	16	61	14	7	12	12		good	low		10	Y		Y	remove
8313	Leyland cypress	9	36	4	4	5	13		good	low		9	Y		Y	remove
8314	Leyland cypress	29	96	13	11	14	15		good	low		7	Y		Y	remove
8315	Leyland cypress	10	34	2	13	8	15		fair	low		9	Y		Y	remove
8316	Leyland cypress	18	48	14	3	12	9		fair	low		7	Y		Y	remove
8317	Leyland cypress	18	50	9	4	13	9		fair	low		6	Y		Y	save
8318	Leyland cypress	14	45	6	8	11	8		fair	low		8	Y		Y	save
8319	Leyland cypress	11	46	8	4	6	10		fair	low		10	Y		Y	save
8320	Leyland cypress	15	49	8	7	12	10		fair	low		9	Y		Y	save
8321	Leyland cypress	14	50	7	6	8	7		fair	low		9	Y		Y	save
8322	Leyland cypress	10	48	6	8	9	7	codominant stem broke off	fair	low		10	Y		Y	save
8323	Leyland cypress	15	47	8	6	5	11		fair	low		10	Y		Y	save
8324	Leyland cypress	14	48	4	5	14	12		fair	low		11	Y		Y	save
8325	Leyland cypress	5, 6, 8, 9	46	4	10	9	10	main trunk broke off	fair	low		11	Y		Y	save
8326	Leyland cypress	14	47	13	15	12	10		fair	low		8	Y		Y	save
8327	Leyland cypress	12	41	12	18	8	9		fair	low		6	Y		Y	save
8328	Leyland cypress							dead								remove
8329	Leyland cypress	13	44	5	12	14	15		fair	low		19	N	N	N	save
8330	Leyland cypress	11	45	6	9	12	3		fair	low		22	N	N	N	save
8331	Leyland cypress	8	42	6	5	6	8		fair	low		25	N	N	N	save
8332	Leyland cypress	12	51	6	6	12	3		fair	low		26	N	N	N	save
8333	Leyland cypress	9	54	4	6	10	8		fair	low		33	N	N	N	save
8334	Leyland cypress	9	55	5	7	8	4		fair	low		34	N	N	N	save
8335	Leyland cypress	13	54	9	9	8	7		fair	low		36	N	N	N	save
8336	Leyland cypress	13	52	10	6	8	6		fair	low		37	N	N	N	save
8339	Leyland cypress	7, 8	39	8	5	6	6		fair	low		40	N	N	N	save
8340	Silka spruce	13	29	13	12	11	9	under powerlines, lopped	fair	low		12	Y		Y	remove
8341	unknown deciduous	11, 15	64	14	10	16	15	included bark	fair	moderate-low		15	Y		Y	remove
8343	western red cedar	8	32	8	7	9	18		good	low		8	Y		Y	remove
8344	decid. cedar	14	51	7	14	8	12		good	low		7	Y		Y	remove
8345	western red cedar	11	41	8	9	10	9	dead top	fair	low	drought likely causing decline	9	Y		Y	remove
8346	western red cedar	8	40	7	8	10	8	dieback	fair	low		8	Y		Y	remove
8347	decid. cedar	17	52	16	15	10	12		good	low		7	Y		Y	remove
8348	western red cedar	9	38	12	10	10	11	20% lcr	poor	low		8	Y		Y	remove
8349	decid. cedar	10	52	15	11	12	16		good	low		8	Y		Y	remove
8350	western red cedar	11	42	8	7	10	11	dead top	fair	low		9	Y		Y	remove
8351	western red cedar	8	43	8	7	10	9		fair	low		8	Y		Y	remove
8352	decid. cedar	17	36	8	9	10	11		good	low		8	Y		Y	remove
8353	western red cedar	8	32	6	8	10	12		good	low		9	Y		Y	remove
8354	western red cedar	12	30	7	8	10	9		fair	low		9	Y		Y	remove
8355	decid. cedar	18	50	10	8	9	8		good	low		8	Y		Y	remove
8357	western red cedar	8	33	5	8	7	8		fair	low		8	Y		Y	remove

805621
 Exhibit 61

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge	Impacted by Trail	Pruning Required	In C&G	Recommendation
8358	western red cedar	8	31	8	9	12	10		fair	low			Y		Y	remove
8359	Douglas-fir	20	59	14	17	16	18		good	low		9	Y		Y	remove
8360	deciduar cedar	9	55	6	8	12	11		good	low		10	Y		Y	remove
8361	deciduar cedar	16	47	8	15	12	13		good	low		8	Y		Y	remove
8362	western red cedar	8	32	7	9	8	8		good	low		7	Y		Y	remove
8363	black cottonwood	17, 22	87	12	15	16	7		fair	low		1	Y		Y	remove
8364	black cottonwood	37	105	24	19	19	3		fair	low		5	Y		Y	remove
8365	black cottonwood	55	106	22	25	8	27		fair	low		10	Y		Y	remove
8366	black cottonwood	17	77	9	15	8	8		fair	low		1	Y		Y	remove
8367	western red cedar	33	70	19	13	22	23	under powerlines, topped	fair	low		38	N	N	N	save
8368	incense cedar	19	33	11	8	8	5	under powerlines, topped	fair	low		39	N	N	N	save
8369	unknown species							dead								remove
8370	juniper	12	33	7	8	9	8		good	low		24	N	N	N	save
8371	corkscrew willow	14	34	8	8	0	16		fair	low		22	N	N	N	save
8372	big leaf maple	18, 17	48	4	8	4	2	dead trunk, very low vigor	poor	moderate		16	Y		Y	remove
8373	Douglas-fir	10	50	12	8	10	15	slight lean w	fair	low	next to Ebright creek - retain if feasible	18	Y		on line	monitor
8374	Douglas-fir	12	54	6	12	13	8		good	low	next to Ebright creek - retain if feasible	15	Y		N	save
8375	Douglas-fir	31	27	5	16	13	6	topped	fair	low		29	N	N	N	save
8376	Douglas-fir	31	99	17	5	14	16		good	low	compromised by trail improvements	14	Y		Y	remove
8377	Douglas-fir	26	100	12	7	13	18		good	low	compromised by trail improvements	13	Y		Y	remove
8378	Douglas-fir	19	95	13	9	17	3		good	low	compromised by trail improvements	14	Y		Y	remove
8379	Douglas-fir	19	94	8	5	18	17		good	low	compromised by trail improvements	13	Y		Y	remove
8380	Douglas-fir	26	95	5	7	16	17		good	low	compromised by trail improvements	14	Y		Y	remove
8381	Douglas-fir	17	96	5	6	16	6		good	low	compromised by trail improvements	14	Y		Y	remove
8382	Douglas-fir	22	95	6	8	14	16		good	low	compromised by trail improvements	13	Y		Y	remove
8383	Douglas-fir	27	95	12	14	16	17		good	low	compromised by trail improvements	12	Y		Y	remove
8384	Douglas-fir	24	97	8	6	9	17		good	low	compromised by trail improvements	12	Y		Y	remove
8385	Douglas-fir	22	94	11	8	14	13		good	low	compromised by trail improvements	12	Y		Y	remove
8387	red alder	22	48	16	18	15	13		fair-poor	moderate-low		14	N	N	N	save
8388	big leaf maple	16, 15	45	15	6	6	18	dead top, in decline	fair	low		35	N	N	N	save
8389	willow	17	54	16	17	8	16	dead stems, declining	fair	low		28	N	N	N	save
8390	willow	19	52	13	9	14	19		fair	low		25	N	N	N	save
8391	willow	19, 21	33	23	30	35	25		fair	low		18	N	N	N	save
8392	red alder	17	35	17	5	7	6	severe decline	poor	low	far from trail, low risk	25	N		N	save
8393	Douglas-fir	28	93	18	19	26	25		good	low		13	N	N	N	save
8394	Douglas-fir	30	96	8	25	23			good	low		14	N	N	N	save
8395	Douglas-fir	27	94	7	12	12	11		good	low		14	N	N	N	save
8396	western red cedar	19	76	8	14	12	11		good	low		10	N	N	N	save
8397	Sitka spruce	19	78	13	15	9	16		good	low		22	N	N	N	save
8398	Sitka spruce	22	37	16	9	9	13	broken top	fair	low		6	Y		Y	save
8399	cherry plum	19	36	13	12	9	16	fruiting body on lower trunk	fair-poor	low		4	Y		Y	remove
8400	Leyland cypress	16	55	14	9	11	12		good	low		7	Y		Y	remove
8401	Leyland cypress	8	52	7	6	10	9		good	low		8	Y		Y	remove
8402	Leyland cypress	9	44	6	8	9	10		good	low		7	Y		Y	save
8404	Leyland cypress	8	45	6	9	8	7		good	low		6	Y		Y	save
8405	Leyland cypress	9	44	6	12	13	11		good	low		10	Y		Y	save
8406	western red cedar	26	66	13	10	11	17		good	low		7	Y		Y	save
8407	Leyland cypress	24, 7	77	13	6	15	7		fair	low		3	Y		Y	remove
8408	western red cedar	13	77	4	5	5	7		fair	low		4	Y		Y	remove
8409	western red cedar	12	76	4	5	5	8		fair	low		4	Y		Y	remove
8410	western red cedar	13, 9	77	6	3	11	9		fair	low		3	Y		Y	remove
8411	western red cedar	14, 6	75	3	8	11	10		fair	low		3	Y		Y	remove
8412	western red cedar	16	77	5	7	0	8		fair	low		3	Y		Y	remove
8413	western red cedar	16, 6	77	5	7	6	8		fair	low		4	Y		Y	remove
8414	western red cedar	19	78	0	15	11	14		fair	low		3	Y		Y	remove
8415	western red cedar	16	77	6	7	13	9		fair	low		4	Y		Y	remove
8416	western red cedar	18	76	5	7	15	8		fair	low		3	Y		Y	remove
8417	western red cedar	13	77	5	7	8	9		fair	low		4	Y		Y	remove
8418	western red cedar	15	77	5	7	6	8		fair	low		4	Y		Y	remove
8419	western red cedar	19	76	6	8	11	11		fair	low		5	Y		Y	remove
8420	western red cedar	22	75	3	15	12	11		fair	low		5	Y		Y	remove
8421	western red cedar	26	75	11	16	12	12	trunk forks at 5'	fair	low		9	Y		Y	save
8422	western red cedar	23	71	11	16	8	10		fair	low		16	N	N	N	save
8423	western red cedar	19	68	11	14	11	10	stem failures	fair	moderate-low		30	N	N	N	save
8424	Oregon ash	13	67	18	3	12	15		fair	low		14	Y		N	save
8425	Oregon ash	9, 6, 6, 8, 6, 7, 13, 16	84	28	31	29	28		fair	low		29	N	N	N	save
8426	Oregon ash	16, 18, 11, 15	87	6	18	30	24		fair	low		24	N	N	N	save
8427	Oregon ash	17	69	19	18	17	15		fair	low		25	N	N	N	save

Exhibit 61
002115
005622

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
												Impacted by Trail	Required			
8428	Oregon ash	24, 13, 15	71	16	16	11	11		fair	low		38	N	N	N	save
8429	Oregon ash	17, 16, 15	81	11	19	17	17		fair	low		21	N	N	N	save
8431	Oregon ash	14, 16	73	17	8	9	19	dead stems	fair	low	prune dead stems	15	N	Y	N	save
8432	Oregon ash	12, 12, 11, 10	70	13	19	13	15		fair	low		16	N	N	N	save
8433	Oregon ash	11, 6, 11	78	15	12	21	21		fair	low		31	N	N	N	save
8434	willow	15, 16, 10, 8	36	15	11	17	5	severe decline	poor	moderate-low	far from trail	35	N	N	N	save
8435	Leyland cypress	21	50	9	10	15	11		fair	low		22	N	N	N	save
8436	cherry plum	20	37	15	13	12	12		fair	low		6	Y	N	N	save
8437	eastern red cedar	9	18	6	7	6	5		fair	low		7	Y	Y	Y	remove
8438	willow	8, 8, 12	48	19	12	16	16		fair	low		15	N	N	N	save
8439	willow	16, 6	46	11	14	6	16		fair	low		20	N	N	N	save
8440	willow	14, 9, 7	49	27	3	8	8		fair	low		21	N	N	N	save
8441	Leyland cypress	8	41	8	11	10	5		fair	low		3	Y	Y	Y	remove
8442	western hemlock	11	68	12	10	7	5		fair	low		6	Y	Y	Y	remove
8443	western red cedar	31	65	12	13	18	11	forked trunk	fair	low		7	Y	Y	Y	remove
8444	Douglas-fir	26	78	16	17	11	12		good	low		7	Y	Y	Y	remove
8445	Leyland cypress	9	36	15	6	9			good	low		30	Y	Y	Y	remove
8446	Leyland cypress	12, 4	30	9	8	7			fair	low		6	Y	Y	Y	remove
8447	Leyland cypress	14	34	13	15	11	12		fair	low		8	Y	Y	Y	remove
8448	Leyland cypress	13	35	12	11	10	14		fair	low		6	Y	Y	Y	remove
8449	Leyland cypress	14	39	10	13	9	8		fair	low		8	Y	Y	Y	remove
8450	Leyland cypress	16	35	10	13	11	15		fair	low		16	N	N	N	save
8451	Leyland cypress	13	34	9	17	12	6		fair	low		23	N	N	N	save
8452	Leyland cypress	12	28	8	12	9	6		fair	low		34	N	N	N	save
8453	Leyland cypress	8	29	8	9	9	8		fair	low		31	N	N	N	save
8454	Leyland cypress	11	29	11	10	9	12		fair	low		25	N	N	N	save
8455	Leyland cypress	10	28	12	13	8	14		fair	low		16	N	N	N	save
8456	Leyland cypress	8	28	7	9	12	10		fair	low		13	N	N	N	save
8457	Leyland cypress	9	32	12	11	10	10		good	low		12	N	N	N	save
8458	Leyland cypress	8	30	8	7	9	12		good	low		24	N	N	N	save
8459	Douglas-fir	18	69	11	14	7	13		good	low		28	N	N	N	save
8460	Ponderosa pine	15	60	8	8	7			good	low		22	N	N	N	save
8461	Douglas-fir	15	70	12	10	13	11		good	low		21	N	N	N	save
8462	Douglas-fir	10	62	10	9	9	12		good	low		6	Y	Y	N	save
8463	Douglas-fir	16	107	13	18	7	15		good	low		25	N	N	N	save
8464	Douglas-fir	22	84	16	18	11	16		good	low		6	Y	N	N	save
8465	Douglas-fir	16	71	8	17	14	16		good	low		5	Y	N	N	save
8466	Douglas-fir	13	51	6	19	17	12		good	low		23	N	N	N	save
8467	Douglas-fir	17	79	13	9	8	12		good	low		25	N	N	N	save
8468	Douglas-fir	29	86	16	18	17	15	codominant stems, included bark, some bleeding	fair	moderate-low		24	N	N	N	save
8469	Douglas-fir	15	74	8	10	9	12		fair	low		24	N	N	N	save
8470	Douglas-fir	22	86	20	18	21	16		good	low		22	N	N	N	save
8471	Douglas-fir	8	37	8	6	7	6	dead top	poor	moderate		8	Y	Y	Y	remove
8472	Douglas-fir	17	63	7	9	12	5		good	low		9	Y	N	N	save
8473	Douglas-fir	11	60	9	6	10	7		good	low		13	Y	N	N	save
8474	Douglas-fir	13	60	9	8	12	8		good	low		12	Y	N	N	save
8475	Douglas-fir	9	58	5	5	12	11		fair	low		13	Y	N	N	save
8476	Douglas-fir	13	61	8	9	16	9		good	low		11	Y	N	N	save
8477	Douglas-fir	14	60	12	13	14	17		good	low		11	Y	N	N	save
8478	Douglas-fir	11	59	6	9	16	14		good	low		12	Y	N	N	save
8479	Douglas-fir	13	60	12	7	12	16		fair	low		9	Y	N	N	save
8480	Douglas-fir	10	64	7	5	9	9		fair	low		10	Y	N	N	save
8482	Douglas-fir	14	60	8	9	10	12		good	low		12	Y	N	N	save
8483	Douglas-fir	9	60	9	8	9	10		fair	low		10	Y	N	N	save
8484	Douglas-fir	15	65	6	8	12	12		good	low		11	Y	N	N	save
8485	Douglas-fir	12	65	6	5	9	12		good	low		12	Y	N	N	save
8486	Douglas-fir	9	55	6	5	10	13		fair	low		12	Y	N	N	save
8487	Douglas-fir	16	62	8	10	12	15		good	low		10	Y	N	N	save
8488	Douglas-fir	17	67	8	10	9	10		good	low		11	Y	N	N	save
8489	Douglas-fir	25	89	15	17	16	17		good	low		13	Y	N	N	save
8490	big leaf maple	11, 3, 7, 3	56	18	6	12	15		fair	low		6	Y	N	N	save
8491	Leyland cypress	18	61	13	15	11	12		fair	low		6	Y	Y	Y	remove
8492	Leyland cypress	17	58	12	13	15	8		fair	low		11	Y	N	N	save
8493	European white birch	10	68	15	3	8	11		fair	low		10	Y	Y	Y	remove
8494	willow	23	62	15	17	17	28	large coburnian stem failure	fair	moderate-low	reduced clearance prune young	22	Y	Y	Y	save
8495	Douglas-fir	12	55	8	12	10	na	crook, spike knot	good	low	young, on the C&G line	7	Y	N	Y	monitor
8496	Douglas-fir	11	48	14	6	10	na	large root, recently cut for driveway repairs	fair	low	young, on the C&G line	8	Y	N	Y	save
8497	Douglas-fir	12	61	8	6	11	na		fair	low		7	Y	N	Y	save

Exhibit 61
0024
005623

Tree #	Species	DBH (inches)	Height (feet)							Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
			N	S	E	W	E	W	Impacted by Trail					Required				
8498	Douglas-fir	15	63	6	6	12	na	na	moderate limb tip dieback in lower crown	fair	low	young	7	Y	N	N	monitor	
8499	Douglas-fir	9	56	6	6	10	na	na	suppressed	fair	low	young	7	Y	N	N	monitor	
8500	Douglas-fir	11	62	6	6	9	na	na	no concerns	fair	low	young	6	Y	N	N	monitor	
8501	Douglas-fir	10	62	6	6	8	na	na	no concerns	fair	low	young	6	Y	N	N	monitor	
8502	Leyland cypress	9	64	6	2	10	na	na	lean to trail, poor taper	fair	moderate	close to trail, recently impacted on west side, on the C&G line	5	Y	Y	Y	remove	
8503	Leyland cypress	18	75	10	8	8	na	na	dominant	fair	low	close to trail, recently impacted on west side, on the C&G line	5	Y	Y	Y	remove	
8504	Leyland cypress	14	74	5	8	9	na	na	lean to trail	fair	low	close to trail, recently impacted on west side, on the C&G line	4	Y	Y	Y	remove	
8505	Leyland cypress	12	68	5	5	6	na	na	poor taper	fair	low	close to trail, recently impacted on west side, on the C&G line	4	Y	Y	Y	remove	
8506	Leyland cypress	10	72	5	5	6	na	na	poor taper	fair	low	close to trail, recently impacted on west side, on the C&G line	4	Y	Y	Y	remove	
8507	Leyland cypress	10	68	5	5	7	na	na	wire embedded in trunk, poor taper	fair	low	close to trail, recently impacted on west side, on the C&G line	4	Y	Y	Y	remove	
8508	Leyland cypress	9	66	5	5	6	na	na	poor taper	fair	low	close to trail, recently impacted on west side, on the C&G line	4	Y	Y	Y	remove	
8509	Leyland cypress	14	68	5	5	7	na	na	slight lean west	fair	low	close to trail, recently impacted on west side, on the C&G line	4	Y	Y	Y	remove	
8510	Leyland cypress	12	65	4	12	5	na	na	natural lean south	fair	low	close to trail, recently impacted on west side, at end of row, on the C&G line	3	Y	Y	Y	remove	
8511	Leyland cypress	17	68	15	4	9	na	na	natural lean north	fair	low		5	Y	Y	Y	remove	
8512	Leyland cypress	14	72	7	5	11	na	na	no concerns	fair	low		5	Y	Y	Y	remove	
8513	Leyland cypress	10	70	5	5	8	na	na	poor taper	fair	low		6	Y	Y	Y	remove	
8514	Leyland cypress	14	78	6	7	4	na	na	slight lean west	fair	low		6	Y	Y	Y	remove	
8515	Leyland cypress	13	81	6	5	11	na	na	natural lean to trail	fair	low		6	Y	Y	Y	remove	
8516	Leyland cypress	12	83	6	6	8	na	na	no concerns	fair	low		6	Y	Y	Y	remove	
8517	Leyland cypress	14	83	7	7	13	na	na	nc	fair	low		6	Y	Y	Y	remove	
8518	Leyland cypress	16	84	4	12	13	na	na	natural lean to trail	fair	low		6	Y	Y	Y	remove	
8519	Leyland cypress	24	82	5	16	11	na	na	natural lean south	fair	low	at end of row	7	Y	Y	Y	remove	
8520	Leyland cypress	20	88	3	16	12	14	12		fair	low		11	Y	N	N	save	
8521	Leyland cypress	18	86	6	9	14	12	12		fair	low		11	Y	N	N	save	
8522	Leyland cypress	10	72	4	4	12	3	3		fair	low		12	Y	N	N	save	
8523	Leyland cypress	16	79	6	8	9	13	13		fair	low		11	Y	N	N	save	
8524	Leyland cypress	12	75	5	5	15	6	6		fair	low		11	Y	N	N	save	
8525	Leyland cypress	11	78	7	5	4	11	11		fair	low		10	Y	N	N	save	
8526	Leyland cypress	16	84	5	9	17	14	14		fair	low		12	Y	N	N	save	
8527	Leyland cypress	15	85	9	7	12	15	15		fair	low		12	Y	N	N	save	
8528	Leyland cypress	17	83	15	3	14	12	12		fair	low		12	Y	N	N	save	
8529	Leyland cypress	15	68	0	13	11	12	12		fair	low		7	Y	Y	Y	remove	
8530	Leyland cypress	12	67	6	7	12	11	11		fair	low		7	Y	Y	Y	remove	
8531	Leyland cypress	10	68	8	13	17	3	3		fair	low		8	Y	Y	Y	remove	
8532	Leyland cypress	13	69	5	8	14	11	11		fair	low		8	Y	Y	Y	remove	
8533	Leyland cypress	12	70	4	4	13	10	10		fair	low		8	Y	Y	Y	remove	
8534	Leyland cypress	12	74	5	4	15	9	9		fair	low		7	Y	Y	Y	remove	
8535	Leyland cypress	9	65	2	6	5	8	8		fair	low		7	Y	Y	Y	remove	
8536	Leyland cypress	11	76	5	5	9	6	6		fair	low		8	Y	Y	Y	remove	
8537	Leyland cypress	10	72	5	6	8	9	9		fair	low		8	Y	Y	Y	remove	
8538	Leyland cypress	12	73	6	12	15	0	0		fair	low		9	Y	Y	Y	remove	
8539	Leyland cypress	11	72	6	6	13	7	7		fair	low		8	Y	Y	Y	remove	

Exhibit 61
885624

Tree #	Species	DBH (inches)	Height (feet)							Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
			N	S	E	W	W	Y	6									
8540	Leyland cypress	11	75	4	6	9	10			fair	low			6	Y	Y	remove	
8541	Leyland cypress	16	77	15	6	17	9			fair	low			6	Y	Y	remove	
8542	Leyland cypress	9	58	17	0	12	10			fair	low			7	Y	Y	remove	
8543	Douglas-fir	25	102	22	23	18				good	low			35	N	N	save	
8544	Douglas-fir	36	125	16	24	17	6		broken top	fair	low			38	N	N	save	
8545	western red cedar	16	65	8	11	5			thin crown	poor	low			41	N	N	save	
8546	Douglas-fir	22	101	17	15	14				good	low			45	N	N	save	
8547	Leyland cypress	11	44	7	12	5	16		topped for powerlines	fair	low			39	N	N	save	
8548	Leyland cypress	10	32	7	10	17	11		topped for powerlines	fair	low			42	N	N	save	
8549	Leyland cypress	12	32	8	7	17	0		topped for powerlines	fair	low			43	N	N	save	
8550	Scots pine	11	56						near dead, 5% lcr	poor	moderate			22	N	N	remove	
8551	Scots pine	10	53	8	7	13	6			fair	low			20	N	N	save	
8552	Scots pine	10	46	5	9	14	14			good	low			16	N	N	save	
8553	Scots pine	10	45	4	12	10	4			good	low			18	N	N	save	
8554	Scots pine	14	52	7	6	8	9			good	low			17	N	N	save	
8555	black cottonwood	37	121	13	18	17	12		codom stems, included bark	fair	moderate-low			16	N	N	save	
8556	black cottonwood	37	121	14	25	10	26		forked trunk, bleeding at attachment	fair	high			11	N	N	save	
8557	big leaf maple	11, 10	80	9	10	13	6			fair	low			27	N	N	save	
8558	big leaf maple	14	70	8	22	na	14		moderate limb tip dieback on trail side	fair	low	8558 to 8560 are one canopy		13	Y	N	save	
8559	big leaf maple	17	70	8	10	na	16		natural lean to trail, limb tip dieback on hill side	fair	low	typical		13	Y	N	save	
8560	big leaf maple	18	72	12	14	na	12		ivy on lower trunk	fair	low	typical		15	N	N	save	
8561	big leaf maple	8-16	73	26	18	na	24		cluster of 10 stems	fair	low	cluster of 6 stems		18	N	N	save	
8562	big leaf maple	11, 12, 9, 16	75	19	12	16	2			fair	low			22	N	N	save	
8563	Scots pine	8	3	8	6	10	4			fair	low			25	N	N	save	
8564	aliso cedar	11	40	8	10	8	6		no concerns	good	low	far from trail		30	N	N	save	
8565	Austrian pine	8	44	6	6	8	4		no concerns	good	low	far from trail		20+	N	N	save	
8566	silver maple	18	37	10	30	6	23		leans south	fair	moderate			16	Y	Y	save	
8567	white spruce	16	70	14	8	12	16		typical	good	low	far from trail		24	N	N	save	
8568	Douglas-fir	21	95	12	7	10	14			excellent	low			19	N	N	save	
8569	white spruce	13, 12	65	10	10	12	7		forked at 1', weak attachment	fair	low	same		20+	N	N	save	
8570	Douglas-fir	21	99	10	15	9	16			excellent	low			21	N	N	save	
8571	Scots pine	15	57	7	14	6	13			good	low			16	N	N	save	
8572	giant sequoia	38	83	13	12	10	13			good	low			30	N	N	save	
8573	Scots pine	18	62	7	12	15	15		forked top	good	low			19	N	N	save	
8574	Western white pine	16	69	7	12	10	7			good	low			34	N	N	save	
8575	giant sequoia	40	85	12	14	14	10			good	low			35	N	N	save	
8576	lodgepole pine	9	47	4	6	7	2			fair	low			36	N	N	save	
8577	giant sequoia	41	83	15	13	14	12			good	low			32	N	N	save	
8578	shore pine	8	55	6	4	6	3		suppressed, poor taper	fair	low	well protected in grove		30+	N	N	save	
8579	laurel	12	16	8	12	12	6		same	fair	low	same		30+	N	N	save	
8580	Norway spruce	15	64	14	12	12	10		no concerns	good	low	far from trail		30+	N	N	save	
8581	laurel	12	16	10	8	12	10		topped for power line clearance	fair	low	far from trail		30+	N	N	save	
8582	scots pine	9	21	5	8	10	2		leans east, topped, under powerlines	fair	low	far from trail		30+	N	N	save	
8583	shore pine	11	57	6	9	6	9		no concerns	good	low	close to trail		3	Y	Y	remove	
8584	Engelmann spruce	9	58	6	4	6	na		poor taper	fair	low	somewhat suppressed		6	Y	Y	remove	
8585	shore pine	14	59	9	6	5	na		no concerns	good	low	no concerns		8	Y	Y	remove	
8586	scots pine	24	63	14	16	10	na		forks at 5', moderate included bark	fair	low	close to trail		6	Y	Y	remove	
8587	Austrian pine	20	70	8	16	6	8		forks at 10', good attachment	fair	low	close to trail		4	Y	Y	remove	
8588	white spruce	15, 14	73	16	12	16	na		forks at 2', moderate included bark	fair	low	close to trail		6	Y	Y	remove	
8589	Austrian pine	22	61	18	20	16	na		no concerns	excellent	low	close to trail		3	Y	Y	remove	
8590	Austrian black	13	61	12	16	9	11			good	low	close to trail		12	Y	N	save	
8591	Austrian black	18	59	14	10	9	7		weak attachment	good	low			18	N	N	save	
8592	Leyland cypress	8, 3	42	9	8	5	7			fair	low			12	Y	N	save	
8593	Austrian black pine	18	61	7	9	8	8			good	low			12	N	N	save	
8594	decid. cedar	16	60	7	15	9	10			good	low			25	N	N	save	
8595	Austrian black pine	18	21	12	13	10	9		topped for powerlines	good	low			44	N	N	save	
8596	Austrian black pine	16	58	12	10	16	9		trunk forks at 20'	good	low			40	N	N	save	
8597	Austrian black pine	19	65	12	9	7	10			fair	low			15	N	N	save	
8598	Austrian black pine	12	54	10	12	6	15			fair	low			16	N	N	save	
8599	Austrian black pine	14	55	7	8	8	10			fair	low			14	N	N	save	
8600	Austrian black	13	54	5	7	4	8			fair	low			13	N	N	save	

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Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Impacted by Trail	Pruning Required	In C&G	Recommendation
												31	34				
8601	black cottonwood	19	92	8	12	7	15		good	low				N	N	N	save
8602	black cottonwood	22	95	11	8	7	23		good	low				N	N	N	save
8603	scots pine	12	44	10	na	10	12	forked trunk, codominant stems, included bark	poor	moderate	well protected in grouping			N	N	N	monitor
8604	Scots pine	13	40	12	10	na	12	no concerns	good	low	no anticipated impacts			N	N	N	save
8605	Leyland cypress	15, 6	42	11	13	12	12	old trunk wound	fair	low	good response growth			N	N	N	save
8606	Scots pine	9	24	11	5	na	9	suppressed, leans north, poor form	fair	low	no anticipated impacts			N	N	N	save
8607	Scots pine	16	42	10	13	na	10	forked trunk, crook	fair	low	sound attachment			N	N	N	save
8608	Ponderosa pine	24	58	10	16	13	na	no concerns	excellent	low				N	N	N	remove
8609	Ponderosa pine	10	60	6	4	3	na	natural lean west, poor taper	fair	low				N	N	N	remove
8610	Austrian pine	13	38	9	6	7	na	slight lean north, forked top	fair	low				N	N	N	remove
8611	paper birch	13, 12	48	16	5	10	8		fair	low				N	N	N	remove
8612	Ponderosa pine	16	55	12	8	9	8		good	low				N	N	N	save
8613	western red cedar	9, 12, 14	59	12	14	12	na	no concerns	good	low	grouping of 3, young specimens			N	N	N	remove
8614	black cottonwood	17	105	14	17	13	12		good	low				N	N	N	save
8615	flowering cherry	21	32	8	12	15	8	major crown dieback-west side	fair	low	mature, in gradual decline			N	N	N	monitor
8616	willow	13, 11, 10, 14	58	12	13	15	10		fair	low				N	N	N	remove
8617	willow	12, 16, 16	33	20	13	10	5	decay, declining, ivy, foliage dieback	poor	low				N	N	N	remove
8618	willow	12	45	7	4	18	0	severe trunk decay	poor	moderate				N	N	N	remove
8619	willow	12	59	14	0	12	7		poor	moderate				N	N	N	remove
8620	black cottonwood	18	117	19	12	15	10	severe trunk decay	good	low				N	N	N	remove
8621	black cottonwood	12	55	9	12	11	10		fair	low				N	N	N	remove
8622	black cottonwood	23	107	12	16	9	7		fair	low				N	N	N	save
8623	black cottonwood	23	90	24	20	16	na		fair	moderate	close to driveway			N	N	N	monitor
8624	red alder	14	28	8	14	12	na	old trunk wound	poor	low	same			N	N	N	remove
8625	red alder	13	51	8	10	8	na	incipient top decline	fair	low	same			N	N	N	save
8626	black cottonwood	24	96	20	18	16	na	exposed surface roots	fair	moderate	same			N	N	N	monitor
8627	red alder	12	54	6	8	0	na	leans west	fair	low	far from trail			N	N	N	save
8628	scoulers willow	12	32	4	4	16	0	mostly dead, heavy lean over trail	poor	high	75% dead, in vast decline			N	N	N	remove
8629	red alder	13	44	12	10	14	na	top decline	fair	low	same			N	N	N	save
8630	red alder	24	56	22	20	18	na	mature, appears sound	fair	low	has lean west, decent vigor for age			N	N	N	remove
8631	red alder	14	52	8	20	8	na	leans south parallel to trail	fair	low	appears sound, decent vigor			N	N	N	remove
8633	pacific willow	12	26	0	16	0	0	topped in past,	poor	high	problematic			N	N	N	remove
8634	weeping willow	26	20	10	12	8	na	large previous stem failure broken, retreatment	fair	low	no concerns			N	N	N	save
8635	weeping willow	35	34	12	24	10	na	broken tops, extensive trunk decay	fair	low	mature, trunk failure likely to fall adjacent to trail			N	N	N	save
8636	black cottonwood	30	90	18	22	16	na	several previous branch failures, old broken top	fair	mod	growing in low spot-wet soils			N	N	N	remove
8637	red alder	14	38	16	18	28	5	topped, forked trunk	fair	low				N	N	N	save
8639	red alder	13	54	12	17	15	14		good	low				N	N	N	save
8640	red alder	15	55	14	13	14	na	no concerns	fair	low				N	N	N	save
8641	big leaf maple	12	44	0	16	12	na	suppressed by large cw	fair	low	far from trail, near stream			N	N	N	save
8643	red alder	13	69	18	24	10	17		fair	low				N	N	N	save
8644	red alder	14	65	18	19	17	18		fair	low				N	N	N	save
8645	balsam poplar	18	52	12	14	9	na	no concerns	excellent	low	close to trail			N	N	N	remove
8646	balsam poplar	20	53	14	13	10	na	no concerns	excellent	low	close to trail			N	N	N	remove
8647	balsam poplar	14, 12	52	16	14	10	na	14" stem has dead top, in vast decline	fair	mod	close to trail			N	N	N	remove
8648	Douglas-fir	16	75	8	9	9	na	no concerns	excellent	low	close to trail			N	N	N	remove
8649	Douglas-fir	17	83	10	6	12	na	slight lean NE	excellent	low	close to trail			N	N	N	remove
8650	Douglas-fir	15	78	6	6	12	na	no concerns	excellent	low	close to trail			N	N	N	remove
8651	Douglas-fir	8	47	8	3	2	12	suppressed	fair	low	in grouping			N	N	N	remove
8652	Douglas-fir	11	68	8	4	3	12	somewhat suppressed	good	low	in grouping			N	N	N	remove
8653	Douglas-fir	18	96	9	7	5	12	small live crown 40%	good	low	no concerns			N	N	N	save
8654	Douglas-fir	24	104	16	14	20	na	no concerns	excellent	low	close to trail			N	N	N	remove
8655	Douglas-fir	22	102	8	12	4	12	natural lean west, bent top	good	low	unbalanced natural crown			N	N	N	save
8656	Douglas-fir	13	85	6	3	4	8	somewhat suppressed	good	low	don't isolate			N	N	N	save
8657	Douglas-fir	15	95	8	6	12	na	no concerns	good	low	close to trail			N	N	N	save
8658	Douglas-fir	25	102	12	14	14	na	no concerns	excellent	low	close to trail			N	N	N	save
8659	Douglas-fir	16	93	8	6	12	na	somewhat suppressed	good	low	close to trail			N	N	N	save
8660	Douglas-fir	21	98	10	8	12	na	no concerns	excellent	low	close to trail			N	N	N	save
8661	Douglas-fir	19	88	12	10	3	14	natural lean west	good	low	close to trail			N	N	N	save
8662	Douglas-fir	21	93	10	12	14	na	no concerns	excellent	low	close to trail			N	N	N	save

Exhibit 61
885626

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
												Impacted by Trail	Required			
8663	Douglas-fir	26	90	18	14	13	na	no concerns	excellent	low	close to trail	3	Y	N	N	save
8664	Douglas-fir	16	88	10	10	12	na	no concerns	excellent	low	close to trail	3	Y	N	N	save
8665	Douglas-fir	27	84	12	18	16	na	no concerns	excellent	low	close to trail	3	Y	N	N	save
8666	Douglas-fir	20	80	20	12	18	na	fork at 12', codominant tops, weak attachment	fair	mod	forked stem growing together above adding strength	4	Y	N	N	save
8667	Douglas-fir	21	82	14	5	na	na	no concerns	good	low	close to trail	6	Y	N	N	save
8668	Douglas-fir	21	80	8	16	15	na	no concerns	excellent	low	close to trail	4	Y	N	N	save
8669	western red cedar	17	50	12	8	10	na	no concerns	excellent	low	young	2	Y	Y	Y	remove
8670	western red cedar	14	48	8	10	8	na	no concerns	excellent	low	young	2	Y	Y	Y	remove
8671	western red cedar	11	44	8	10	10	na	no concerns	excellent	low	young	1	Y	Y	Y	remove
8672	willow	14	29	9	9	13	12	severe decay, leans west	poor	moderate-low	young	18	Y	Y	N	remove
8673	Oregon ash	11	72	12	10	11	8	wound on lower trunk, decay, unbalanced crown, leans west over trail	fair	moderate-low		14	Y	Y	Y	remove
8674	willow	12	42	25	0	13	8	severe trunk decay	poor	moderate	remove dead wood	18	Y	Y	Y	remove
8675	willow	10, 17	48	5	16	15	3	severe trunk decay	poor	moderate-low	remove dead wood	22	Y	Y	Y	save
8676	bitter cherry	14	53	10	16	15	5	one trunk, leans north	fair	low		19	N	N	N	save
8677	bitter cherry	12, 11, 10, 8, 10, 10	63	29	16	19	25	some decay	fair	low	remove dead wood	22	N	Y	N	save
8680	western red cedar	10	40	6	10	10	na	no concerns	good	low	young specimen	9	Y	Y	Y	remove
8681	western red cedar	13	41					no concerns	good	low		12	Y	N	Y	remove
8682	western red cedar	15	48					no concerns	good	low	no anticipated impacts	20	N	N	N	save
8683	western red cedar	11	48					no concerns	good	low	no anticipated impacts	24	N	N	N	save
8684	western red cedar	10	45					no concerns	good	low	no anticipated impacts	25	N	N	N	save
8685	western red cedar	16	50					no concerns	good	low	no anticipated impacts	28	N	N	N	save
8686	big leaf maple	14, 12, 9	79	15	10	14	18	forked trunk, some included bark	fair	low		25	N	N	N	save
8687	big leaf maple	24	98	32	24	29	31	forked trunk, some included bark	fair	moderate-low		27	N	N	N	monitor
8688	big leaf maple	19, 13, 13, 16	102	12	19	15	13	forked trunk, some included bark	good	low		32	N	N	N	save
8689	big leaf maple	14	96	16	21	12	22	forked trunk, some included bark	fair	low		27	N	N	N	save
8690	big leaf maple	26	77	22	10	16	20	forked trunk, some included bark	fair	moderate-low		19	N	N	N	monitor
8691	big leaf maple	14	72	12	0	15	18	dead stems, ivy stems on trunk	fair	low	clearance prune	26	N	Y	N	save
8692	big leaf maple	14, 20, 19	75	18	31	12	16	dead stems, ivy stems on trunk	fair	low		28	N	N	N	save
8693	black cottonwood	15	86	9	17	6	14	dead stems, ivy stems on trunk	fair	low		34	N	N	N	save
8694	black cottonwood	21	88	13	10	9	14	dead stems, ivy stems on trunk	fair	low		14	N	N	N	save
8695	black cottonwood	19	85	15	17	18	22	dead stems, ivy stems on trunk	good	low		13	N	N	N	save
8696	black cottonwood	15	79	13	15	5	17	poor stem taper	moderate	moderate	young specimen	16	N	N	N	save
8697	black cottonwood	13	73	6	8	4	10	poor stem taper	fair	moderate	young specimen	20+	N	N	N	save
8698	black cottonwood	15	82	12	8	12	6	poor stem taper	fair	moderate	unbalanced crown, heavy to west, problem in future	12	Y	N	N	save
8699	black cottonwood	32	94	16	18	4	18	top with poor stem taper	fair	moderate-high	problem in future	20+	N	N	N	save
8700	black cottonwood	35	97	22	16	na	16	old broken top, multiple upright stems, previous branch failures, trunk appears sound	fair	moderate-high	mature, problem in future	14	Y	N	N	save
8701	black cottonwood	40	92	20	18	18	na	no concerns	good	low	full crown	30	N	N	N	remove
8702	Douglas-fir	35	96	20	22	18	na	no concerns	good	low		32	N	N	N	save
8703	western red cedar	19	55	12	4	6	8	no concerns	good	low		9	Y	N	N	save
8704	western red cedar	17	42	7	13	12	9	limb tip dieback north side	fair	low	same	10	Y	N	N	save
8705	western red cedar	18	52	8	6	na	4	no concerns	good	low	same	9	Y	N	N	save
8706	western red cedar	19	58	8	6	na	4	no concerns	excellent	low	same	9	Y	N	N	save
8707	western red cedar	25	68	10	12	na	14	no concerns	excellent	low	close to drainage ditch	14	N	N	N	save
8708	western red cedar	22	64	10	12	na	8	no concerns	fair	low	in wet area	13	N	N	N	save
8709	Sitka spruce	12	26	12	10	na	12	suppressed	fair	low	same	20+	N	N	N	save
8710	Colorado blue spruce	9	25	6	4	na	4	suppressed low vigor	fair	low	same	9	Y	N	N	save
8711	black cottonwood	40, 38, 44	120	35	28	na	40	all stems fork at 4', included bark, topped in past	fair	mod	problem in future	20+	N	N	N	save
8712	western red cedar	14	30	6	8	8	na	no concerns	exc	low	young, minor	6	Y	Y	Y	remove
8713	Austrian pine	8	26	4	4	na	8	leans west, broken top	fair	low	suppressed by large cw	9	Y	N	N	save
8714	western red cedar	13	26	11	9	10	9	no concerns	good	low	planted closely together	37	N	N	N	save
8715	big leaf maple	16, 11, 12, 8	79	7	14	18	20	trunks wrapped around each other	good	moderate-low		43	N	N	N	save
8716	willow	16, 10	45	22	5	23	2	no concerns	good	low		32	N	N	N	save
8717	red alder	14	73	11	8	7	10	no concerns	good	low		28	N	N	N	save
8718	willow	14, 8	64	12	9	8	12	no concerns	good	low		28	N	N	N	save

865627
 2016-09-15
 Exhibit 61

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
												Impacted by Trail				
8719	Douglas-fir	17	44	16	8	14	na	crooked top	good	low	young, full crown	6	Y	Y	remove	
8720	Douglas-fir	12	42	8	12	12	na	none	good	low	young, full crown	10	Y	Y	remove	
8721	Flowering cherry	15	42	16	11	10	na	gummosis, small cavity	fair	low	good vigor	14	Y	Y	remove	
8721B	Flowering cherry	9, 8, 7, 9	42	14	14	14	na	multiple tops, topped in past	fair	low	good vigor	10	Y	Y	remove	
8722	European white birch	9	16	12	9	6	na	pruned, maintained	fair	low	good vigor, minor pruning	10	Y	Y	remove	
8723	Flowering cherry	12	15	7	11	10	na	strub form	good	low	good vigor	14	Y	Y	remove	
8724	weeping birch	12	14	8	10	10	na	ivy covering trunk	fair	low	good vigor	8	Y	N	save	
8725	Flowering cherry	14	22	7	8	7	7	topped in past, unbalanced crown	fair	moderate	mature	28	N	N	save	
8726	black cottonwood	33	92	12	20	30	na	none	excellent	low	full crown, exc vigor	26	N	N	save	
8727	Douglas-fir	28	96	16	18	20	na	one stem has poor attachment, would fall away from trail	fair	low		16	N	N	save	
8728	black cottonwood	16, 8	85	14	10	15	10		good	low		17	N	N	save	
8729	black cottonwood	21, 13	77	15	8	5	15		good	low		15	Y	N	save	
8730	black cottonwood	16	72	14	12	14	18		good	low		17	N	N	save	
8731	black cottonwood	14	75	8	16	12	11		good	low		15	Y	N	save	
8732	black cottonwood	15	72	12	11	8	11		good	low		15	Y	N	save	
8733	black cottonwood	13	58	14	12	na	12	crooked top	fair	low	young, problematic	8	Y	Y	remove	
8734	Flowering cherry	12	49	12	14	na	18	forked top	good	low	semi-mature	23	N	N	save	
8735	Douglas-fir	36	124	18	20	na	20	no concerning defects	good	low	full crown	30	N	N	save	
8736	pacific madrone	20	42	12	16	na	34	heavy lean west	fair	low	madrone canker, moderate crown dieback	22	N	N	save	
8737	Douglas-fir	33	120	18	18	na	24	no concerning defects	good	low	full crown, will need minor crown raising	15	Y	Y	save	
8738	Douglas-fir	26	110	10	12	na	18	no concerning defects	good	low	full crown	30	N	N	save	
8739	black cottonwood	38	130	26	20	na	18	mature	fair	moderate	over-mature	24	N	N	monitor	
8740	black cottonwood	24	71	15	17	13	12		good	low		27	N	N	save	
8741	black cottonwood	21	62	12	11	3	17	leans w	fair	low		32	N	N	save	
8742	black cottonwood	31	130	18	30	na	28	forked top	fair	moderate	mature	14	Y	Y	remove	
8743	big leaf maple	13	52	14	16	na	20	forked top, suppressed	fair	low	far from trail	26	Y	N	save	
8744	black cottonwood	22	123	14	20	na	16	far from trail	fair	moderate	mature	29	N	N	monitor	
8745	Oregon ash	13	44	6	18	na	12	poor form, suppressed	fair	moderate	heavy natural lean sw	18	Y	N	monitor	
8746	Oregon ash	16	55	12	16	na	14	ncd	good	low	far from trail	40+	N	N	save	
8747	pacific madrone	13	38	18	12	na	20	diseased, moderate dieback	fair	low	heavy lean northwest, will need minor crown raising	15	Y	Y	remove	
8748	Douglas-fir	23	114	22	8	16	15		excellent	low		11	N	N	save	
8749	Douglas-fir	38	117	16	13	17	17		excellent	low		18	N	N	save	
8750	pacific madrone	15	41	14	0	0	11	dieback, leans west	fair	low		13	N	N	save	
8751	arbutus	8	55	8	7	6	8		good	low		17	N	N	save	
8752	Douglas-fir	38	102	22	26	20	na	minor fork	good	low	full crown, will need minor crown raising	12	Y	Y	save	
8754	Pacific dogwood	8, 11	55	13	5	12	15		good	low		7	Y	Y	remove	
8755	Japanese white pine	9	20	5	9	7	4	topped in past	fair	low	no concerns	9	Y	Y	remove	
8756	Japanese white pine	10	22	4	5	7	4	topped in past	fair	low	no concerns	12	Y	Y	remove	
8757	Douglas-fir	34	94	18	12	na	14	no concerning defects	good	low	far from trail, appears sound	30	N	N	save	
8758	Douglas-fir	16	86	12	10	na	12	no concerning defects	good	low	far from trail	30	N	N	save	
8759	Douglas-fir	28	98	16	16	na	10	no concerning defects	good	low	same	30+	N	N	save	
8760	green ash	22	62	30	20	18	na	forked top, sound attachment	good	low	leans northwest, mature	24	Y	Y	remove	
8761	Leyland cypress	13	24	10	12	11	5		fair	low	growing closely together	16	N	N	save	
8762	Leyland cypress	9	26	13	15	4	6		fair	low	growing closely together	10	N	N	save	
8763	Leyland cypress	14	27	10	17	13	7		fair	low	growing closely together	7	Y	Y	save	
8764	honey locust	14, 13	63	14	14	17	18	forks at 2, some included bark	good	low		14	N	N	save	
8765	honey locust	17	66	15	16	9	17		good	low		17	N	N	save	
8766	big leaf maple	14, 11, 8	30	8	8	0	na	topped, significant decay, dieback	poor	low	in vast decline	8	Y	Y	remove	
8767	big leaf maple	22	28	6	6	7	na	topped at 10', significant decay, top decline	poor	low	in vast decline	8	Y	Y	remove	
8768	Douglas-fir	12	36	10	12	8	9	topped	fair	low		12	Y	N	save	
8769	Douglas-fir	15	31	10	10	10	na	topped at 10'	fair	low	multiple regenerated tops	12	Y	Y	save	
8770	Douglas-fir	13	31	11	9	11	10	topped	fair	low		12	Y	N	save	
8771	Douglas-fir	22	37	13	16	11	12	topped	fair	low		12	Y	N	save	
8772	Pacific madrone	22	35	20	24	18	na		fair	low	minor limb tip dieback	12	Y	N	save	
8773	Leyland cypress	7, 10	36	11	10	12	na	forked trunk at 6'	fair	low	multiple trunks, typical	22	Y	N	save	
8774	Leyland cypress	11, 8, 7	36	8	14	12	na	no concerning defects	fair	low	same	24	N	N	save	
8775	Wegelia deodar cedar	13	27	4	7	5	6	no concerning defects	good	low		14	Y	N	save	
8776	Oregon ash	6, 10	47	10	11	10	7		good	low		14	N	N	save	
8777	golden chinquapin	11	47	19	0	0	8	dieback	fair	low		24	N	N	save	
8778	Oregon ash	18	62	20	22	24	na	mature, moderate crown dieback	fair	moderate	deadwood over trail	22	Y	N	monitor	
8779	Oregon ash	16	70	14	18	16	na	mature, moderate crown dieback	fair	moderate	low vigor	30	N	N	monitor	

855628
 Exhibit 61
 855628

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		Pruning Required	In C&G	Recommendation
												Impacted by Trail	Required			
8780	western red cedar	14	85	13	11	9	11		good	low		28	N	N	N	save
8781	western red cedar	12	86	10	13	10	12		good	low		29	N	N	N	save
8782	western red cedar	17	86	16	12	13	15		good	low		24	N	N	N	save
8783	Douglas-fir	14	60	8	10	10	na	natural lean	good	low	young	30+	N	N	N	save
8784	horse chestnut	13, 11, 10		16	18	na		poor form	fair	low		20	N	N	N	save
8785	lombardy poplar	21	80	x	x	x	x	dead, significant rot at root crown	dead	high			N	N	N	remove
8786	corkscrew willow	13	54	8	4	0	20	leans west, moderate limb tip dieback	fair	low	in wet area leans over trail, prune back to reduce risk	20+	N	N	N	save
8787	corkscrew willow	11	40	10	4	0	20	leans west, significant dieback	poor	moderate		16	N	Y	N	save
8788	corkscrew willow	13	46	2	6	0	20	leans west, moderate dieback	fair	low	lean to trail	16	N	N	N	save
8789	red alder	15	44	16	16	12	16	top decline	fair	low	suspect decline, dead cambium on lower trunk	18	N	N	N	save
8792	big leaf maple	12	42	12	8	10	18		good	low		12	N	N	N	save
8793	bitter cherry	11	53	12	17	13	9		fair	low		13	Y	Y	Y	remove
8794	Douglas-fir	18	88	6	14	7	7	thin crown	fair	low		12	Y	Y	Y	remove
8795	Douglas-fir	28	100	6	10	3	13	thin crown	fair	low		20	Y	N	N	save
8796	Douglas-fir	31	97	15	5	9	13	ivy covering lower trunk	fair	low		18	Y	N	N	save
8797	Douglas-fir	24	98	8	6	11	7	ivy covering lower trunk	fair	low		16	N	N	N	save
8798	Douglas-fir	28	101	9	12	4	15	ivy covering lower trunk	fair	low		18	Y	N	N	save
8799	big leaf maple	25	60	10	19	18	20		good	low		16	N	N	N	save
8800	Douglas-fir	36	101	23	21	13	14		good	low		12	Y	N	Y	remove
8801	Douglas-fir	34	95	18	14	14	na	trunk locks at 12'	good	low	good vigor	16	Y	N	N	save
8802	Douglas-fir	34	96	18	12	12	na	crown raised	good	low	good vigor	16	Y	N	N	save
8803	western red cedar	22	78	12	12	14	na	forked top	fair	mod	well protected in grouping	20	N	N	N	save
8804	western red cedar	12	50	12	6	6	na	no concerning defects	good	low	no concerns	20+	N	N	N	save
8805	western red cedar	19	68	10	10	8	na	forked top, codom stems	fair	mod	well protected in grouping	20+	N	N	N	save
8806	Douglas-fir	15	52	6	14	6	na	slanted top	fair	low	suppressed	25+	N	N	N	save
8807	western red cedar	27	86	11	8	6	10	thin crown	fair	low		31	N	N	N	save
8808	grand fir	16	52	8	12	10	8		good	low		18	N	N	N	save
8809	Leyland cypress	11	30	10	11	6	8		fair	low		6	Y	N	N	save
8810	Leyland cypress	8	29	2	4	3	5		fair	low		4	Y	Y	Y	remove
8811	Douglas-fir	32	88	12	16	14	na	no concerning defects	good	low		30+	N	N	N	save
8812	Douglas-fir	30	85	22	14	19	18	topped	fair	low		23	N	N	N	save
8813	Douglas-fir	26	80	16	19	9	15	topped	fair	low		37	N	N	N	save
8814	Douglas-fir	20	54	15	23	8	22		fair	low		40	N	N	N	save
8815	Douglas-fir	22	91	9	13	15	11		fair	low		21	N	N	Y	remove
8816	pacific madrone	18, 15	56	12	12	na	20	moderate crown dieback	fair	low	impacted by proposed parking lot on toe of steep slope	18	Y	N	N	save
8817	pacific madrone	15, 14, 9	54	10	12	na	20	moderate crown dieback	fair	low	on toe of steep slope, exposed surface roots	18	Y	N	N	save
8818	Douglas-fir	30	102	14	14	na	14	no concerning defects	good	low	above steep slope	20	Y	N	N	save
8819	Douglas-fir	20	84	8	10	na	8	minor limb tip dieback, narrow crown	fair	low	far from trail	20+	N	N	N	save
8820	Douglas-fir	28	88	14	10	na	14	no concerning defects	good	low	remove ivy	12	Y	N	N	save
8821	Douglas-fir	28	90	10	14	na	12	no concerning defects	good	low	on toe of steep slope	10	Y	N	N	save
8822	Douglas-fir	12	38	14	0	na	12	covered in ivy, lean	fair	mod	old broken top, remove ivy to reduce risk	14	Y	N	N	save
8823	Douglas-fir	12	47	8	4	na	12	slight natural lean	good	low	remove ivy	18	N	N	N	save
8824	bishop pine	16	24	16	10	na	16	poor form, forked top	fair	low	no concerns	20	N	N	N	save
8825	Douglas-fir	16	64	8	12	6	13		good	low		14	Y	N	N	save
8826	Ponderosa pine	26	105	16	9	12	13		excellent	low		22	N	N	N	save
8827	Douglas-fir	18	110	3	8	3	10		good	low		17	N	N	N	save
8828	Douglas-fir	18	113	16	12	14	15		good	low		20	N	N	N	save
8829	Douglas-fir	16	45	9	6	7	17	forked top	good	low		17	N	N	N	save
8830	Douglas-fir	9	48	6	16	8	10		fair	low		16	N	N	N	save
8831	Douglas-fir	38	65						poor	high		22	N	N	N	remove
8832	Douglas-fir	19	79	10	11	12	9		good	low		28	N	N	N	save
8833	Douglas-fir	22	64	12	16	na	18	leans southwest, topped in past	fair	mod	hanger over trail, regenerated leader appears sound	10	Y	Y	N	save
8834	Douglas-fir	22	87	12	14	8	na	no concerning defects	good	low	crown raised	20+	N	N	N	save
8835	Douglas-fir	25	88	12	8	10	na	no concerning defects	good	low	crown raised	18	N	N	N	save
8836	Douglas-fir	28	90	14	14	16	na	no concerning defects	good	low	crown raised	16	Y	N	N	save
8837	Douglas-fir	16	56	12	12	14	na	no concerning defects	good	low	crown raised	16	N	N	N	save
8838	big leaf maple	14	38	16	16	12	na	fork at 7', 3 tops, moderate included bark	fair	low	young, problematic in future, minor crown raising	10	Y	Y	Y	remove
8839	Oregon ash	24	72	10	12	8	na	low vigor, significant crown dieback	fair-poor	low	over-mature	20+	N	N	N	monitor
8840	Douglas-fir	28	86	16	16	14	na	no concerning defects	good	low	no concerns	20+	N	N	N	save
8841	western red cedar	30	62	10	14	8	na	no concerning defects	good	low	no concerns	25+	N	N	N	save
8842	western red cedar	12	48	10	10	12	na	no concerning defects	good	low	no concerns	20+	N	N	N	save

SDP 2016-04-16
865629

Exhibit 61

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge		In C&G	Pruning Required	Recommendation
												Impacted by Trail	Required			
8843	Douglas-fir	21	60	12	10	14	na	slight natural lean	good	low	remove ivy	18	Y	N	N	save
8844	Douglas-fir	16	72	10	12	10	na	cambial rupture	good	low	no concerns	25+	N	N	N	save
8845	Douglas-fir	30	96	16	16	14	na	no concerning defects	good	low	full crown	20	N	N	N	save
8846	big leaf maple	18	70	16	20	20	na	no concerning defects	good	low	good form	30+	N	N	N	save
8847	pacific madrone	16	45	0	18	4	20	leans west	fair	low	no concerns	30+	N	N	N	save
8848	Douglas-fir	26	75	18	18	16	na	no concerning defects	excellent	low	full crown	20+	N	N	N	save
8849	Douglas-fir	30	96	na	20	na	20	on slope, exposed roots	good	low	above rock wall	12	Y	N	N	save
8850	Douglas-fir	32	94	na	18	na	8	same	good	low	same	13	Y	N	N	save
8851	Douglas-fir	30	90	na	8	na	8	old trunk, appears sound	fair	low	natural lean north	16	Y	N	N	save
8852	Norway maple	12	39	15	13	12			good	low		7	Y	N	N	save
8853	Atlas cedar	14	50	8	8	9			good	low		4	Y	N	N	save
8854	Atlas cedar	14	60	13	8	7			good	low		9	Y	N	N	save
8855	Scots pine	12	49	13	9	5		poor form	fair	low		4	Y	N	N	save
8856	blue atlas cedar	14	44	13	14	13			good	low		12	N	N	N	save
8857	Douglas-fir	19	111						good	low		27	N	N	N	save
8858	Douglas-fir	19	108						good	low		32	N	N	N	save
8859	Douglas-fir	20	105	13		15			good	low		15	Y	Y	Y	remove
8860	Pacific madrone	13	45	0	0	0	25	leans w towards trail, minor dieback	fair	moderate-low		29	Y	N	N	save
8861	big leaf maple	6, 14, 12, 8, 5	51	18	6	12		some stems leaning towards trail	fair	low		27	Y	N	N	monitor
8862	Pacific madrone	17	35	13	6	4			fair	low		10	Y	Y	Y	remove
8863	big leaf maple	26	85	20	18		19	leans n, some dieback	fair	low		18	Y	N	N	save
8864	western red cedar	16	37	8	5		7	ivy	good	low		11	Y	Y	Y	remove
8865	western red cedar	13	40	8	13		8		good	low		10	Y	Y	Y	remove
8866	western red cedar	12	32	9	9		8		good	low		10	Y	Y	Y	remove
8867	big leaf maple	26, 28, 8	85	28	26		20		fair	low		18	Y	Y	Y	remove
8868	big leaf maple	20, 8	84	28		12	6		fair	low		18	Y	N	N	save
8869	big leaf maple	25	79	32	6	6	5		fair	low		18	Y	N	N	save
8870	big leaf maple	29	86	13	13	5	17		fair	low		15	Y	Y	Y	remove
8871	big leaf maple	27, 18, 8, 17, 22	79	5	25		23		fair	low		21	Y	N	N	save
8872	western red cedar	8	31	15	17		7		fair	low		15	Y	Y	Y	remove
8873	big leaf maple	16, 15, 18, 16	89	17	19		17		fair	low		8	Y	N	N	save
8874	Scots pine	19	66	16	10	11			good	low		12	Y	Y	Y	remove
8875	Scots pine	20	70				9		good	low		14	Y	N	N	save
8876	western red cedar	17	49	8	17	14			good	low		10	Y	Y	Y	remove
8877	big leaf maple	6-14"	78	25	26	16			fair	low		30	N	N	N	save
8878	Douglas-fir	9	42	10	13	12			good	low	old treehouse in tree lots of invasives surrounding trees	36	N	N	N	save
8879	Douglas-fir	8	41	8	10	7			good	low	senescent lots of invasives surrounding trees	38	N	N	N	save
45023	big leaf maple	33	44	8	20	14	14	extensive trunk rot, low risk	poor	low	senescent	NA	N	Y	N	save
45024	Douglas-fir	11	55	8	11	8	6	young	good	low	compacted soils from parking	NA	N	N	N	save
45025	western hemlock	12	49	8	12	6	8	young	good	low	same	NA	N	Y	N	save
45043	big leaf maple	38	46	12	18	16	12	extensive trunk rot, soft rot	poor	moderate	low potential for major damage	NA	Y	Y	Y	remove
45105	Douglas-fir	10									compromised by culvert installation	NA	Y	Y	Y	remove
45208	redwood	61	130	22	14	24	16		good	low	minor clearance pruning	NA	Y	Y	Y	monitor
45209	redwood	64	125	18	36	28	18		good	low	minor clearance pruning	NA	Y	Y	Y	monitor
45473	Eur. white birch	14	82	16	12	2	16	mature	fair	moderate	decent vigor for age	NA	N	N	N	save
45483	shore pine	15	34	12	14	10	16	good form	good	low		NA	N	N	N	save

Total Trees 847
Save 529
Remove 273
Monitor 45
847

Tree #	Species	DBH (inches)	Height (feet)	N	S	E	W	Defects	Condition	Risk	Comments	Distance from trail edge	Impacted by Trail	Pruning Required	In C&G	Recommendation
8061	black cottonwood	11	63	8	9	7	8		fair	low		30	N	N	N	save
8064	black cottonwood	11	36	6	7	2	12		fair	low		25	N	N	N	save
8104	big leaf maple	11	80	3	18	12	6		fair	low		15	Y	N	Y	remove
8234	flowering cherry	11	45	16	18	13	12		fair	low		12	N	N	N	save
8252	bitter cherry	11	38	6	15	2	11		fair	low		14	N	N	N	save
8259	bitter cherry	10	55	6	12	6	11		fair	low		12	Y	N	N	save
8305	Leyland cypress	5.6	25	6	7	7	6	forked trunk, topped	fair	low		5	Y		Y	remove
8306	Leyland cypress	7	25	12	9	11	10	topped	fair	low		8	Y		Y	remove
8312	Leyland cypress	6.3.4	21	5	6	10		main trunk broke off, suppressed	poor	moderate		8	Y		Y	remove
8337	Leyland cypress	7	48	5	4	7	8		fair	low		38	N	N	N	save
8338	Leyland cypress	7	47	3	4	7	9		fair	low		39	N	N	N	save
8342	deodar cedar	7	34	4	7	6	7		good	low		9	Y		Y	remove
8350	western red cedar	7	45	7	8	8	8	dead top	fair	low		9	Y		Y	remove
8386	red alder	11	49	15	7	11	14		fair	low		13	N	N	N	save
8403	Leyland cypress	7	42	6	5	8	9		good	low		6	Y	Y	N	save
8430	Oregon ash	9.10	75	17	16		12		fair	low		35	N	N	N	save
8481	Douglas-fir	7	55	7	6	8	10		fair	low		12	Y	N	N	save
8632	red alder	11	48	6	8	24	0	heavy lean over trail	fair-poor	high		12	Y		Y	remove
8638	red alder	11	37	16	17	22	16	topped, forked trunk	fair	low		21	N	N	N	save
8642	red alder	11	66	9	10	12	13		fair	low		27	N	N	N	save
8791	red alder	11	51	15	5	7	10		fair	low		10	Y	Y	N	save
45035	holly	3" to 4"	15	6	8	6	8		good	low	Non-significant, multiple stems 3" to 4"	NA	N	N	N	save
45042	holly	7.7.5	23	x	x	x	x		fair	low	Non-significant	NA	Y		Y	remove
45179	red alder	8								Non-significant, compromised by culvert installation	NA	Y			Y	remove
45178	red alder	9								Non-significant, compromised by culvert installation	NA	Y			Y	remove
45173	red alder	8	46	0	14	4	6	broken top	fair	low	Non-significant	NA	N	N	N	save