

May 21, 2015

Matt Perkins
Land Development Managers
Quadrant Homes
14725 SE 36th, Ste. 200
Bellevue, WA 98006

Re: TPN: 252605-9033; 500940 square feet; 11.5 acres
Edgewood West Preliminary Plat – Tree Assessment Report

Dear Matt:

Thank you for requesting my services. I was initially contacted by Trish Clements of Goldsmith Land Development Services who referred me to you and was I was subsequently hired to perform a Visual Risk Assessment (VRA) for all the significant* trees growing on the site above.

The Quadrant team had previous hired Shoffner Consulting to prepare the Tree Preservation Plan which had been submitted, however, I was asked to perform a more detailed examination.

During the weeks of February 2 through the 18th, I spent nine days on the Edgewood West site where I assessed in detail each tree in the field. Generally speaking, I photograph all trees that I deem unsuitable for retention, however, due in part to the size of the site, the quantity of the trees, the repetitive nature of the defects and because every poor quality tree was photographed on the adjoining site (Edgewood East) I photographed only 280 of the trees I assessed as "poor" (approved by Sarah Vanags March 15th, 2015). Every effort was made to be as thorough as possible on an unmaintained site this size.

The information gathered and included in this report is a necessary part of the City of Redmond's requirement for a Tree Preservation Plan to be included in the submitted of a proposed site development. This report is not considered to be an "amendment" to the previous report by Shoffner Consulting; it is an independent assessment.

In summary:

- There are 780 significant and landmark trees onsite
- 41 are dead; 357 are not viable
- 382 are viable
- 247 will be removed for site improvements
- 23 will be impacted by utilities and retained
- 112 are retained and not impacted
- City of Redmond requires a 35% retention (382 X 35% =134 trees)
- Limits of Disturbance (LOD) are noted on the Tree Inventory Spreadsheet and are specific to each tree based on species, tolerance to construction and site conditions.

I have included a detailed report of my findings, if you have any questions please contact me. I can be reached on my cell phone: 425.890.3808 or by email: sprince202@aol.com.

Warm regards,



Susan Prince
Creative Landscape Solutions
ISA Certified Arborist #1481
TRAQ Certified Arborist #481
Landscape Designer
425.890.3808

Assignment:

To assess all significant and landmark trees on site and to prepare a Tree Preservation Plan to be included with the proposed plat improvements.

Personal qualifications, scope of work and methodology:

To evaluate the trees and prepare the report, I drew on my formal college education in botany and the preparation and training used to obtain my ISA certification. In addition to my education and certification, I relied heavily on my training to obtain my certification as a Tree Risk Assessor. I have been an ISA Certified Arborist for over fifteen years and have been TRACE/TRAQ certified for four years.

I followed protocol delineated by the International Society of Arboriculture (ISA) for Visual Risk Assessment (VRA). By doing so, I am examining each tree independently as well as collectively as groups or stands of trees provide stability and can lower risk of independent tree failure. This scientific process examines tree health (e.g. size, vigor, and insect and disease process) as well as site conditions (soil moisture and composition, amount of impervious surfaces surrounding the tree etc.)

Introduction:

Identifying and managing the risks associated with trees is still largely a subjective process. Since the exact nature of tree failures remains largely unknown, our ability as scientists and arborists to predict which trees will fail and in what fashion remains limited. As currently practiced, the science of hazard tree evaluation involves examining a tree for structural defects, including genetic problems, those caused by the local environmental that the tree grows in and those attributed to man (pruning etc.).

The assessment process involves evaluating three components: 1) a tree with the potential to fail, 2) an environment that may contribute to that failure, and 3) a person or object that would be injured or damaged (the target). By definition a defective tree cannot be considered hazardous without the presence of a target.

All trees have a finite life-span though it is not pre-programmed internally in the same manner as annual plantings. As trees age they are less able to compartmentalize structural damage following injury from insects, disease or pruning. Trees in urban settings have a shorter life span than trees grown in an undisturbed habitat.

Different species of trees grow differently. Evergreen trees have a "reputation" of growing slowly and defensively. These trees allocate a high proportion of their resources to defending themselves from pathogens, parasites and wounds. As a rule, trees with this type of growth tend to be long lived. Though like all other living things, they have a fairly predictable life span. Examples of this type of tree include the northwest *Pseudotsuga menziesii* - Douglas fir, and *Thuja plicata* - Western red cedar.

Deciduous trees are trees that annually shed leaves or needles. These trees have a tendency to grow quickly and try to "outgrow" problems associated with insects, disease and wounds. They allocate a relatively small portion of their internal resources to defense and rely instead upon an ability to grow more quickly than the pathogens which infect them. However, as these trees age, their growth rate declines and the normal problems associated with decay begins to catch up and compromise the tree's structural integrity. Examples of this type of tree include *Salix*, *Populus* and *Alnus*.

Knowledge of the growth and failure patterns of individual tree species is critical to effective hazard analysis. Species vary widely in their rates of failure. The hazard tree evaluation

rating system used by most arborists was developed by the Colorado Urban Forest Council and recognizes this variation in species failure and includes a species component as part of the overall hazard evaluation.

Site Observations:

Site is located in an urban area of Redmond surrounded by new development. The eleven acre site has varied terrain and slopes west to east. Site has been previously cleared and appears to have once included pasture land. There is currently an abandoned mobile home, remains of a house foundation, several out buildings and the remains of an old pioneer home. There is evidence of recent transient populations living on site (tents, clothing, children's toys and ice chests with rotted food dated with expirations dates as recent as January 2015). Currently the site vegetation includes mostly non-native Himalayan blackberries, and pioneer species of timber, primarily cottonwood and red alder, bitter cherry, Hawthorne, Cascara and a few Douglas fir and Western red cedar. There is standing water on some parts of the site.

Offsite trees Potentially Impacted by Development:

There are a number of potentially impacted offsite trees identified in a matrix.

Method's used to determine tree location and tree health:

Trees were identified previously by numbered aluminum tags attached to the western side of the tree. All of the trees on site were examined using the Matheny and Clark¹ criteria for determining the potential hazard of trees in an urban environment as well as the Tree Risk Assessment in Urban Areas and The Urban/Rural Interface by Julian Dunster². Tree diameters were measured using a loggers tape, and tree driplines were measured in four directions if necessary by a Nikon Forestry PRO Laser Rangefinder™.

ABBREVIATED LEGEND- SEE REPORT FOR GREATER DETAIL

#1 Numerical ordering

#2 Tree tag #: numbered aluminum tags attached to the trees in the field

#3 Tree species ID: common and botanical names

- Apple: *Malus sp.*
- American sycamore: *Plantanus occidentalis*
- Austrian pine: *Pinus nigra*
- Bigleaf maple: *Acer macrophyllum*
- Birch: *Betula nigra*
- Bitter Cherry: *Prunus emarginata*
- Blue atlas cedar: *Cedrus atlantica* 'Glauca'
- Cedar: *Thuja plicata*
- Cherry: *Prunus sp.*
- Dawn redwood: *Chamaecyparis nootkatensis*
- Deodora cedar: *Cedrus deodara*
- Colorado blue spruce: *Picea pungens*
- Cottonwood: *Populus trichocarpa*
- Dogwood: *Cornus nuttallii*
- Douglas fir: *Pseudotsuga menziesii*
- English laurel: *Prunus laurocerasus*
- Filbert: *Corylus avellana var.*
- Grand fir: *Abies grandis*
- Hemlock: *Tsuga hetrophylla*
- Holly: *Ilex aquifolium*
- Japanese maple: *Acer palmatum*
- Leylandii cypress: *Cupressocyparis leylandii*
- Lodgepole pine: *Pinus contorta*
- Mountain ash: *Sorbus americana*
- Mountain hemlock: *Tsuga mertensiana*
- Pear: *Pyrus sp.*
- Plum: *Prunus*
- Red Alder: *Alnus rubra*
- Red maple: *Acer rubrum*
- Walnut: *Juglans sp.*
- Western red cedar: *Thuja plicata*
- Weeping Alaska cedar: *Metasequoia glyptostrobides*
- White pine: *Pinus strobus*

- #4 DBH: diameter of the tree measured in inches at 4' above grade
- #5 Adj. DBH: multiple trunk tree DBH in inches calculated per municipality directives
- #6 Dripline Radius: measurement in feet of the tree canopy from tree trunk to outermost branch tip via laser rangefinder
- #7 Health: a measurement of overall tree vigor and vitality rated as excellent, good, OK, fair or poor based on an assessment of crown density, leaf color and size, active callusing, shoot growth rate, extent of crown dieback, cambium layer health, and tree age
- Excellent: Tree is an ideal specimen for the species with no obvious flaws
 - Good: Tree has minimal structural or situational defects
 - OK: Minimal structural issues with poor
 - Fair: Tree has structural or health issues that predispose it to failure if further stressed
 - Poor: Tree has significant structural and/or health issues. It is exempt from total tree count.
- #8 Defects/Concerns: a measure of the tree's structural stability and failure potential based on assessment of specific structural features, e.g., decay, conks, co-dominant trunks, included bark, abnormal lean, one-sided canopy, history of failure, prior construction impact, pruning history, etc.
- #9 Proposed action:
- Retain
 - Impacted
 - Remove due to viability
 - Remove due to planned development (tree is otherwise healthy)
- #10 Limits of disturbance/Tree protection zone: the area surrounding the tree that defines the area that surrounds the trunk that cannot be encroached upon during construction. This may be a multiple of the trunk diameter (1 -1.5 times the trunk diameter converted to feet) or it may be related to the width of the canopy. It is always determined by tree species and environment and is up to the discretion of the ISA Certified Arborist to determine
- #11 Measure of tree "value" may be determined by municipality formula or a direct measure of the trunk diameter to determine significance
- #12 Photos: If photos are provided they are identified by number here

¹ Matheny, N., and Clark, J. 1994. *Evaluation of Hazard Trees in Urban Areas*. 2nd Edition. Champaign, Illinois: International Society of Arboriculture.

² Dunster, J.A. 2009. *Tree Risk Assessment in Urban Areas and the Urban/Rural Interface: Course Manual*. Silverton, Oregon: Pacific Northwest Chapter, International Society of Arboriculture.

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos	
								Remove		Retain		N	W	E	S			
								Not viable	Improvements	Impacted	Non Impacted							
1	100	Bigleaf maple	26	26	18	OK	Typical of species		1				18	18	18	18		
2	101	Bigleaf maple	30	30	18	Fair	Decay, Column of decay to north	1					18	18	18	18	LM	
3	102	Red alder	27	27	13	Poor	Column of decay @ root crown, typical of species	1					13	13	13	13		1
4	103	Bigleaf maple	24	24	13	OK	"S" shaped trunk, asymmetric canopy to SW, twisted trunks, dogleg		1				13	13	13	13		
5	104	Bigleaf maple	21	21	15	OK	typical of species , dead wood, typical of species		1				15	15	15	15		
6	105	Hemlock	19	19	17	Poor	Abnormal bark, shedding bark, popping bark, column of decay on root crown to 6', broken branch's, dead wood, hanger, dead twigs,	1					17	17	17	17		
7	106	Hemlock	34	34	18	OK	Typical of species, wound @ 3'-4', horizontal crack		1				18	18	18	18	LM	
8	107	Bigleaf maple	43	43	21	Poor	Filled with decay	1					21	21	21	21	LM	
9	107A	Western red cedar	18	18	21	Good	Growing into 107, typical of species		1				21	21	21	21		
10	108	Douglas fir	21	21	12	Poor	"S" shaped trunk,, red ring rot, abnormal bark, popping bark, perineal canker, growing on nurse tree	1					12	12	12	12		
11	110	Bigleaf maple	42	42	24	Good	Typical of species, dead wood		1				24	24	24	24	LM	
12	113	Western red cedar	8	8	8	OK	Growing as nurse tree		1				8	8	8	8		
13	114	Bigleaf maple	18/18/18/16	18	18	Poor	Co-dominant leaders with included bark X 4, decay @ center, slime @ 3', column of decay on south side @ 12'	1					18	18	18	18		
14	115	Bigleaf maple	20	20	20	Fair	Co-dominant leaders with included bark @ 9' w decay, dead scaffolds, dead wood, broken branch's, can be pruned to be OK	1					20	20	20	20		
15	116	Bigleaf maple	15/15/28	19	26	Fair	Co-dominant leaders with included bark @ 4' X3, typical of species, girdled by barbed wire, d @ root	1					26	26	26	16		

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								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
							crown										
16	117	Red alder	16/7/4	12	10	OK	Lean to south, girdled root, co-dominant leaders with included bark @ root crown, sap sucker, carpenter ants, dead wood		1			10	10	10	10		
17	118	Red alder	11	11	12	OK	Typical of species, decay, column of decay on west side of east trunk		1			12	12	12	12		
18	119	Red alder	8	8	12	OK	Typical of species, asymmetric canopy to west, suppressed canopy, girdled root, exposed roots		1			12	12	12	12		
19	120	Red alder	9	9	12	OK	Typical of species, asymmetric canopy to north		1			12	12	12	12		
20	121	Red alder	14	14	14	OK	Exposed roots, leant to south previous top loss , dead wood, moss and lichen		1			14	14	14	14		
21	122	Red alder	16	16	10	OK	Typical of species, dead wood		1			10	10	10	10		
22	123	Bigleaf maple	8	8	14	Good	Typical of species		1			14	14	14	14		
23	124	Bigleaf maple	9	9	14	Good	Typical of species		1			14	14	14	14		
24	125	Bigleaf maple	8	8	8	Good	Typical of species		1			8	8	8	8		
25	127	Bigleaf maple	12	12	0	Poor	Failing to east 128 is falling onto it	1				0	0	0	0		
26	129	Western red cedar	13	13	12	Good	Typical of species, thin canopy, self-corrected lean to south, exposed roots		1			12	12	12	12		
27	140	Western red cedar	6	6	6	Good	Asymmetric canopy to south, typical of species		1			6	6	6	6		
28	141	Western red cedar	9	9	14	Good	Typical of species, exposed roots, thin canopy, asymmetric canopy to SW		1			14	14	14	14		
29	142	Western red cedar	18	18	14	Fair	Typical of species, spur @ 2', suppressed canopy, carpenter ants	1				14	14	14	14		

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								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
30	143	Western red cedar	9	9	10	Good	Typical of species, exposed roots		1			10	10	10	10		
31	144	Red alder	25	25	24	Fair	Typical of species, dead wood, dead scaffolds, carpenter ants, broken branch's	1				24	24	24	24		
32	145	Bitter cherry	8	8	11	Poor	Wound @ 20', typical of species	1				11	11	11	11		1
33	146	Bitter cherry	7	7	10	Poor	Previous top loss, dogleg, self-corrected lean, exposed roots	1				10	10	10	10		
34	147	Bitter cherry	10	10	12	Fair	Sapsucker, exposed roots, self-corrected lean, co-dominant leaders with included bark @ 8' w decay, broken branch's, moss and lichen	1				12	12	12	12		
35	148	Bigleaf maple	11	11	13	Good	Typical of species		1			13	13	13	13		
36	149	Bigleaf maple	6.5	6.5	10	OK	Typical of species, co-dominant leaders with included bark @ 6', sway to south		1			10	10	10	10		
37	150	Bigleaf maple	6	6	9	Good	Typical of species		1			9	9	9	9		
38	151	Douglas fir	26	26	15	Poor	Abnormal bark, shedding bark, carpenter ants probable laminated root rot?, low live crown ratio, dead twigs	1				15	15	15	15		
39	153	Cascara	6.5	6.5	6	OK	Exposed roots, typical of species, suppressed canopy		1			6	6	6	6		
40	154	Bigleaf maple	33/10	21.5	21	OK	growing as nurse tree, exposed roots, interesting, typical of species, dead wood		1			21	21	21	21		
41	155	Bitter cherry	8	8	7	OK	Typical of species, self-corrected lean, wound @ 2', broken branch's, gummosis		1			7	7	7	7		
42	156	Bigleaf maple	7.5	7.5	6	OK	Typical of species, tight canopy		1			6	6	6	6		
43	157	Bigleaf maple	21	21	16	Poor	Large co-dom failure @ 10'	1				16	16	16	16		
44	158	Bigleaf maple	21/31	21.5	26	Poor	Multi failed leaders, decay throughout, top broken off,	1				26	26	26	26		1

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
45	159A	Western red cedar	26	26	18	Fair	Top broken off, typical of species, intertwined trunks, dead wood	1				18	18	18	18		
46	159A1	Bigleaf maple	26	26	12	Fair	interesting	1				12	12	12	12		
47	160	Bigleaf maple	36	36	18	Fair	co-dominant leaders with included bark @ 4' large cavity of decay, growing as a nurse tree	1				18	18	18	18	LM	
48	161	Red alder	11	11	11	Poor	Dead, bird holes, pileated woodpecker,	1				11	11	11	11		
49	162	Bigleaf maple	18	18	18	OK	Previous top loss, hanger, Cottonwood, typical of species		1			18	18	18	18		
50	163	Bigleaf maple	28	28	16	Poor	Hypoxylon canker @ root crown	1				28	28	28	28		
51	164	Douglas fir	15	15	10	Poor	Abnormal bark, no taper, shedding bark, popping bark, broken branch's, self-corrected lean to north	1				10	10	10	10		
52	165	Cascara	8	8	0	Poor	Previous top loss, failing to north	1				0	0	0	0		
53	166	Red alder	19	19	12	OK	Typical of species, dead wood, moss and lichen		1			12	12	12	12		
54	167	Douglas fir	12	12	14	Poor	Falling to north, crack @ 1'	1				14	14	14	14		
55	168	Hemlock	18	18	15	Poor	Exposed roots, galls, sap, vertical crack w decay @ 12', low live crown ratio	1				15	15	15	15		
56	169	Red alder	20	20	20	Poor	Failing to south	1				20	20	20	20		
57	170	Red alder	15	15	15	OK	Failing to north, decay in trunk		1			15	15	15	15		
58	172	Cascara	9.5	9.5	10	Poor	Typical of species, exposed roots, previous top loss, dead wood	1				10	10	10	10		
59	173	Cascara	7	7	12	Poor	Typical of species, large wound @ 6' vertical crack, previous top loss	1				12	12	12	12		
60	174	Cascara	8	8	14	Poor	Typical of species, large wound @ 6', vertical crack, previous top loss	1				14	14	14	14		
61	175	Cascara	8	8	8	Poor	Fallen to north	1				8	8	8	8		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
62	176	Red alder	12	12	10	Poor	Typical of species, asymmetric canopy to south, exposed roots, dead top	1				10	10	10	10		
63	177	Red alder	18	18	18	Poor	Dead top, previous top loss	1				18	18	18	18		
64	178	Red alder	14	14	12	Poor	Dead top	1				12	12	12	12		
65	179	Douglas fir	20	20	12	Poor	Abnormal bark, shedding bark, popping bark, moss and lichen, bulge @ root crown, dead twigs	1				12	12	12	12		
66	180	Bigleaf maple	26	26	15	OK	S shaped trunk, typical of species, dead wood, broken branch's		1			15	15	15	15		
67	181	Bigleaf maple	13	13	14	OK	Huge vertical crack, possible lightning strike, carpenter ants, pileated woodpecker		1			14	14	14	14		
68	182	Bigleaf maple	24	24	22	OK	"s" shaped, trunk dogleg, moss and lichen, exposed roots		1			22	22	22	22		
69	183	Red alder	17	17	15	OK	Typical of species, moss and lichen, dead wood, broken branch's		1			15	15	15	15		
70	184	Cascara	8/8/8	8	16	Poor	Co-dominant leaders with included bark X3, 1 dead scaffolds, 2 are typical of species w decay	1				16	16	16	16		
71	185	Red alder	15	15	14	Poor	to x4, low live crown ratio	1				14	14	14	14		
72	186	Cascara	7.5	7.5	14	Poor	Failing to west	1				14	14	14	14		
73	187	Bigleaf maple	24	24	20	OK	Typical of species, hanger, dead wood, broken branch's		1			20	20	20	20		
74	188	Red alder	13	13	12	Poor	Column of decay on south side, previous top loss, bow to east	1				12	12	12	12		
75	189	Red alder	17	17	16	Poor	Typical of species , dead wood	1				16	16	16	16		
76	190	Douglas fir	17	17	15	Fair	Abnormal bark, shedding bark, popping bark, moss and lichen, low live crown ratio, no taper, thin canopy	1				15	15	15	15		
77	191	Red alder	12	12	0	Poor	Broken top	1				0	0	0	14		
78	192	Bigleaf maple	18	18	14	OK	Typical of species, dead wood, moss and lichen		1			14	14	14	21		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										
79	195	Red alder	7	7	10	OK	Typical of species, asymmetric canopy to south, dead wood				1	10	10	10	10		
80	195A	Red alder	14	14	19	OK	Typical of species, dead wood, broken branch's, exposed roots				1	19	19	19	19		
81	196	Douglas fir	36	36	18	OK	Typical of species, esp. for size and age of tree, dead wood, broken branch's		1			18	18	18	18	LM	
82	197	Douglas fir	22	22	15	OK	typical of species, dead wood, broken branch's, extended branches, epicormic branch formation		1			15	15	15	18		
83	198	Douglas fir	42	42	18	OK	Epicormic branch formation, some decay, typical of species		1			18	18	18	10	LM	
84	199	Red alder	10	10	10	Good	Typical of species				1	10	10	10	8		
85	200	Red alder	9	9	8	Poor	Column of decay to south, previous top loss	1				8	8	8	12		
86	201	Red alder	11	11	9	OK	Typical of species , dead wood, broken branch's, typical of species				1	9	9	9	9		
87	202	Red alder	10	10	14	Poor	Failing to south	1				14	14	14	10		
88	203	Red alder	8	8	10	Poor	Failing to south	1				10	10	10	8		
89	205	Bitter cherry	6/11	8.5	8	Poor	Co-dominant leaders with included bark @ root crown, previous top loss, decay @ top	1				8	8	8	8		
90	206	Red alder	7.5	7.5	8	Poor	Failed to east	1				8	8	8	26		
91	207	Bigleaf maple	36	36	26	OK	Typical of species, carpenter ants, broken branch's, dead wood, dead scaffolds		1			26	26	26	11	LM	
92	208	Bigleaf maple	38	38	11	Poor	Wound @ root crown, carpenter ants, hardly any canopy,	1				11	11	11	12	LM	
93	209	Douglas fir	26	26	12	Fair	Abnormal bark, popping bark, broken branch's, dead wood, epicormic branch formation, asymmetric canopy to south, previous top loss	1				12	12	12	6		
94	210	Bigleaf maple	9	9	6	Good	Typical of species		1			6	6	6	6		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										
95	211	Bitter cherry	6	6	6	Good	Typical of species, previous top loss		1			6	6	6	8		
96	212	Douglas fir	14	14	8	Poor	Self-corrected lean, decay, abnormal bark	1				8	8	8	16		
97	213	Douglas fir	25	25	16	Fair	Abnormal bark, shedding bark, popping bark , red ring rot @ 40', thin canopy, moss and lichen	1				16	16	16	14		
98	214	Western red cedar	30	30	14	Good	Typical of species		1			14	14	14	16	LM	
99	215	Western red cedar	19	19	16	Good	Typical of species		1			16	16	16	10		
100	216	Western red cedar	16	16	10	Good	typical of species, self-corrected lean		1			10	10	10	6		
101	217	Western red cedar	8/5	6.5	6	Good	Co-dominant leaders with included bark @ 1', typical of species		1			6	6	6	6		
102	217A	Douglas fir	13	13	6	Poor	Suppressed canopy, lean to east, abnormal bark, shedding bark	1				6	6	6	15		
103	218	Douglas fir	22	22	15	OK	Lean to west @ 30', asymmetric canopy to north, previous top loss. Abnormal bark, shedding bark, carpenter ants		1			7	15	15	15		
104	219	Douglas fir	30	30	15	OK	Self-corrected lean to west, abnormal bark, shedding bark, decay @ root crown, low live crown ratio, previous top loss		1			7	15	15	14	LM	
105	220	Douglas fir	22	22	14	Fair	Popping bark, dead top, low live crown ratio	1				14	14	14	22		
106	221	Cascara	6.5/7/3/3	6	10	Poor	Co-dominant leaders with included bark X 4 @ root crown, 2 have failed, typical of species	1				10	10	10	10		
107	222	Bigleaf maple	18	18	13	OK	Exposed roots, typical of species, dead wood		1			13	13	13	13		
108	223	Bigleaf maple	37	37	22	Poor	Decay ! Root crown	1				22	22	22	22	LM	

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
109	224	Bigleaf maple	19	19	16	Fair	Exposed roots, typical of species, previous top loss, dead wood	1				16	16	16	16		
110	225	Hemlock	10	10	12	Poor	Exposed roots, abnormal bark, previous top loss, dead wood	1				12	12	12	12		
111	226	Red alder	17	17	13	Poor	Pileated woodpecker, d @ 10', previous top loss	1				13	13	13	13		
112	227	Red alder	25	25	17	Poor	Co-dominant leaders with included bark @ root crown, 1 side has failed, d @ root crown	1				17	17	17	17		
113	228	Cascara	6/6	6	0	Poor	Vertical crack on north, broken top	1				0	0	0	0		
114	229	Red alder	8	8	16	OK	Self-corrected lean to south , typical of species, dead wood		1			16	16	16	16		
115	230	Cascara	8	8	0	Poor	Failing to west	1				0	0	0	0		
116	231	Douglas fir	37	37	16	Fair	Self-corrected lean, abnormal bark, exposed roots, previous top loss?, asymmetric canopy to SE, popping bark, carpenter ants, broken branch's	1				16	16	16	16	LM	
117	233	Bitter cherry	9/8	8.5	10	OK	Co-dominant leaders with included bark @ 1', asymmetric canopy to south, lean to east, broken branch's, dead wood,		1			10	10	10	10		
118	234	Bitter cherry	8/7/9	8	2	Poor	previous top loss , all 3 co-dominant leaders with included bark @ root crown	1				2	2	2	2		
119	235	Red alder	7	7	9	Fair	Lean to south	1				9	9	9	9		
120	236	Red alder	8	8	14	Poor	Dead top, lean to south	1				14	14	14	14		
121	237	Bitter cherry	9/9	9	10	OK	Co-dominant leaders with included bark @ 1', twisted trunks, sapsucker, typical of species, dead wood				1	10	10	10	10		
122	238	Red alder	9	9	8	OK	Vertical crack, column of decay, carpenter ants, south,				1	8	8	8	8		
123	239	Red alder	6	6	6	OK	Typical of species				1	6	6	6	6		
124	240	Red alder	6	6	6	OK	Typical of species, asymmetric canopy to south, lean to south				1	6	6	6	6		

1	2	3	4	5	6	7	8	9				10				11	12	
								Proposed Action				CRZ/TPZ/LOD						
								Remove		Retain		N	W	E	S			
Not viable	Improvements	Impacted	Non Impacted															
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										Value	Photos
125	241	Red alder	6	6	6	OK	Low live crown ratio, asymmetric canopy to SW				1	6	6	6	6			
126	242	Bigleaf maple	9	9	9	Good	typical of species, asymmetric canopy to south, moss and lichen		1			9	9	9	9			
127	243	Bitter cherry	8	8	12	OK	Typical of species, dead wood, broken branch's, exposed roots		1			12	12	12	12			
128	244	Bitter cherry	9	9	8	OK	Typical of species, broken branch's, dead wood, asymmetric canopy to south		1			8	8	8	8			
129	245	Bigleaf maple	22	22	21	Good	Self-corrected lean to south, dead wood, dead scaffolds		1			21	21	21	21			
130	246	Bigleaf maple	10	10	9	Poor	Failing to the north	1				9	9	9	9			
131	247	Bigleaf maple	10	10	6	Poor	Decay @ root crown	1				6	6	6	6			
132	248	Bigleaf maple	7	7	6	Poor	Large wound @ 7', failing to south	1				6	6	6	6			
133	249	Douglas fir	34	34	16	Fair	Dead wood, popping bark, broken branch's, shedding bark, abnormal bark, canker @ root crown, coning, sap asymmetric canopy to SW, column of decay on south side, wound @ 6' east side with decay	1				16	16	16	16	LM		
134	250	Douglas fir	24	24	12	Fair	Growing into 249, exposed roots, dead wood, broken branch's, asymmetric canopy to west, girdled by barbed wire @ 3', hanger, previous top loss	1				12	12	12	12			
135	251	Bigleaf maple	8	8	15	Poor	Wound @ 12', decay, vertical crack, asymmetric canopy on west	1				15	15	15	15			
136	252	Douglas fir	27	27	15	Poor	Abnormal bark, shedding bark, carpenter ants @ root crown	1				15	15	15	15			
137	253	Bigleaf maple	16	16	20	Poor	Typical of species, previous top loss, dead wood, "huge" wound with decay @ 8'	1				20	20	20	20			
138	254	Douglas fir	14.5	14.5	11	OK	Girdled root, low live crown ratio, self-corrected lean to east, dead wood, dead twigs		1			11	11	11	11			

1	2	3	4	5	6	7	8	9				10				11	12
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments	Proposed Action				CRZ/TPZ/LOD				Value	Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
139	255	Bitter cherry	8	8	17	Fair	Lean to north, exposed roots, co-dominant leaders with included bark @ 15', moss and lichen, asymmetric canopy to north	1				17	17	17	17		
140	256	Bitter cherry	7.5	7.5	7.5	OK	Typical of species		1			7.5	7.5	7.5	7.5		
141	257	Douglas fir	37	37	17	Fair	Abnormal bark, shedding bark, self-corrected lean to south, co-dominant leaders with included bark @ 40', sap, popping bark, abnormal bark, carpenter ants, perennial canker on north side @3'	1				7	17	17	17	LM	
142	258	Douglas fir	10	10	8	Poor	Shedding bark, abnormal bark, Popping bark, sap, carpenter ants, suppressed canopy, wound @ 5'	1				5	8	8	8		
143	259	Bigleaf maple	25/23	24	26	OK	Co-dominant leaders with included bark @ root crown, typical of species, dead wood, broken branch's , moss & lichen		1			26	26	26	26		
144	260	Cascara	6	6	6	OK	Typical of species, moss and lichen		1			6	6	6	6		
145	261	Cascara	9	9	12	Good	Co-dominant leaders with included bark @ 5', typical of species, moss and lichen, self-corrected lean		1			12	12	12	12		
146	262	Cascara	8.5	8.5	22	Fair	Failing to west	1				22	22	22	22		
147	265	Bigleaf maple	10	10	12	Good	Typical of species, previous top loss, self-corrected lean		1			12	12	12	12		
148	266	Bitter cherry	10	10	11	OK	Typical of species, broken branch's, dead wood, previous top loss, self-corrected lean to west, exposed roots		1			11	11	11	11		
149	267	Douglas fir	43	43	16	Fair	Exposed roots, abnormal bark, column of decay on SE side, carpenter ants, bird holes, girdled root @ 5', popping bark, asymmetric canopy to SW, broken branch's, epicormic branch formation, hanger, girdled by barbed wire	1				16	16	16	16	LM	

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
150	268	Douglas fir	14	14	15	Poor	Abnormal bark, shedding bark , carpenter ants@ root crown, popping bark, epicormic branch formation, dead wood	1				15	15	15	15		
151	269	Douglas fir	29	29	12	Fair	Abnormal bark, shedding bark, carpenter ants, bulge @ 4', popping bark, asymmetric canopy, previous top loss, bird holes	1				12	12	12	12		
152	270	Bitter cherry	9	9	11	Poor	Typical of species, dead scaffolds, dead wood, moss and lichen, wound @ 3'	1				11	11	11	11		
153	271	Bitter cherry	13	13	12	OK	Exposed roots, typical of species, low live crown ratio, asymmetric canopy to south		1			12	12	12	12		
154	273	Red alder	13	13	13	OK	Typical of species, dead wood, broken branch's		1			13	13	13	13		
155	274	Hemlock	18	18	12	Poor	Self-corrected lean to north, wound W decay on north side	1				12	12	12	12		
156	275	Red alder	18	18	14	OK	Typical of species, dead wood, broken branch's		1			14	14	14	14		
157	276	Douglas fir	25	25	11	Fair	Abnormal bark, shedding bark, carpenter ants, previous top loss, broken branch's sap	1				11	11	11	11		
158	277	Cascara	10	10	13	Poor	Failing to north, wound large with decay @ 1'	1				13	13	13	13		
159	278	Douglas fir	24	24	16	Poor	Popping bark, abnormal bark, asymmetric canopy to west, broken branch's, dead wood, previous top loss, horizontal crack @ 2'	1				16	16	16	16		
160	279	Hemlock	14	14	16	Poor	Dead wood, broken branch's, column of decay on west side @ 15', canker, south, asymmetric canopy to south	1				16	16	16	16		
161	280	Red alder	19	19	20	Fair	Typical of species, sway to west, broken top, broken scaffolds	1				20	20	20	20		
162	281	Douglas fir	9	9	19	Poor	Filing to north, conk @ 6', (lots of conks)	1				19	19	19	19		
163	282	Douglas fir	21	21	12	Poor	Abnormal bark, popping bark, shedding bark, broken branch's, dead wood, vertical crack on SW	1				12	12	12	12		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments									Value	Photos
164	283	Red alder	22	22	15	Fair	Previous top loss X2, vertical crack, typical of species, broken branch's, dead wood	1				15	15	15	15		
165	284	Bigleaf maple	26	26	23	Poor	column of decay to south, major scaffold failure 30'	1				23	23	23	23		
166	285	Douglas fir	17	17	17	Poor	Low live crown ratio, abnormal bark, shedding bark, popping bark, moss and lichen, dead wood, no taper, horizontal crack, black stuff	1				17	17	17	17		
167	286	Douglas fir	15	15	15	Poor	Abnormal bark, shedding bark, vertical crack, popping bark, dead wood,	1				15	15	15	15		
168	288	Douglas fir	10	10	12	Poor	Abnormal bark, previous top loss, epicormic branch formation, popping bark, lean to east, sap	1				12	12	12	12		
169	289	Red alder	13	13	13	OK	Typical of species, dead wood, previous top loss		1			13	13	13	13		
170	290	Red alder	18	18	14	Poor	Previous top loss, huge vertical crack, dead top	1				14	14	14	14		
171	291	Hemlock	17	17	14	Poor	Previous top loss, broken top	1				14	14	14	14		
172	292	Red alder	13	13	15	Poor	Previous top loss, dead top	1				15	15	15	15		
173	293	Bitter cherry	9	9	8	OK	Exposed roots, typical of species, dead wood, broken branch's, moss and lichen		1			8	8	8	8		
174	294	Hemlock	11	11	12	Poor	Conk, bird holes, failed, pileated woodpecker	1				12	12	12	12		
175	295	Red alder	16	16	17	Fair	Exposed roots, Decay @ root crown, Co-dominant leaders with included bark @ 6' w decay, broken branch's, co-dominant leaders with included bark @ 3' failed	1				17	17	17	17		
176	296	Red alder	17	17	12	Poor	Typical of species, low live crown ratio, exposed roots, moss and lichen, self-corrected lean no top	1				12	12	12	12		
177	297	Douglas fir	15	15	16	Poor	Abnormal bark, shedding bark, vertical crack, typical of species, wound @ 20' with decay	1				16	16	16	16		
178	298	Red alder	13	13	20	OK	Typical of species, slight exposed roots, some vertical crack @ 16'		1			20	20	20	20		

1	2	3	4	5	6	7	8	9				10				11	12	
								Proposed Action				CRZ/TPZ/LOD						
								Remove		Retain		N	W	E	S			
Not viable	Improvements	Impacted	Non Impacted															
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										Value	Photos
179	299	Douglas fir	15	15	16	OK	Exposed roots, typical of species, previous top loss? Dead wood, broken branch's, thin canopy		1				16	16	16	16		
180	300	Western red cedar	23	23	14	Good	Typical of species, suppressed canopy, thin canopy		1				14	14	14	14		
181	301	Douglas fir	13	13	10	Poor	Abnormal bark, shedding bark, popping bark, previous top loss, dead wood, vertical crack, mostly dead	1					10	10	10	10		
182	302	Bigleaf maple	14	14	17	OK	Hanger, typical of species, broken branch's, dead wood, moss and lichen		1				17	17	17	17		
183	303	Douglas fir	23	23	17	Poor	Abnormal bark, shedding bark, "s" shaped trunk, previous top loss, dead wood, sap @ 6' vertical crack	1					17	17	17	17		
184	304	Douglas fir	18	18	13	Poor	Low live crown ratio, dead wood, broken branch's, dead twigs, conk	1					13	13	13	13		
185	305	Bigleaf maple	22	22	26	Good	Typical of species		1				26	26	26	26		
186	310	Douglas fir	9	9	6	Poor	Abnormal bark, previous top loss, mostly dead	1					6	6	6	6		
187	311	Douglas fir	11	11	14	OK	"S" Shape, thin canopy, asymmetric canopy to east, abnormal bark, shedding bark, popping bark		1				14	14	14	14		
188	313	Douglas fir	21	21	10	OK	Self-corrected lean, sway, dead wood, broken branch's, dead twigs, 50% of roots are buried by retaining wall, moss and lichen				1		10	10	10	10		
189	314A	Bitter cherry	6.5	6.5	4	20	Typical of species		1				6	6	6	4		
190	315	Douglas fir	45	45	18	Fair	Bird holes, self-corrected lean to north abnormal bark, asymmetric canopy to NW, epicormic branch formation, hanger, previous top loss, wound @ 15', red ring rot?	1					18	18	18	18	LM	
191	316	Bigleaf maple	42	42	15	Poor	Typical of species, exposed roots, dead wood, previous top loss, carpenter ants, dead scaffolds, mostly dead	1					15	15	15	15	LM	

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										
192	317	Douglas fir	21	21	15	Fair	Abnormal bark, shedding bark, previous top loss, epicormic branch formation, asymmetric canopy to south, column of decay to SE, popping bark	1				15	15	15	15		
193	318	Douglas fir	9	9	8	Ok	Suppressed canopy, dead wood, sway, previous top loss, abnormal bark, popping bark, shedding bark		1			8	8	8	8		
194	319	Douglas fir	18	18	14	Ok	Dead wood, epicormic branch formation, "S" shaped trunk, dead twigs		1			14	14	14	14		
195	319A	Douglas fir	20	20	12	Poor	Abnormal bark, shedding bark, popping bark, dead wood, broken branch's. low live crown ratio, laminated root rot?	1				12	12	12	12		
196	320	Red alder	12	12	17	Poor	Cracks, asymmetric canopy to east, low live crown ratio	1				17	17	17	17		
197	321	Douglas fir	11	11	8	Poor	Vertical crack, mostly dead	1				8	8	8	8		
198	322	Red alder	14	14	14	Poor	Typical of species, thin canopy, asymmetric canopy to east, suppressed canopy, vertical crack @ 16'	1				14	14	14	14		
199	325	Douglas fir	12	12	13	Poor	Laminated root rot?, abnormal bark, previous top loss, thin canopy, moss and lichen, vertical crack @ root crown	1				13	13	13	13		
200	326	Douglas fir	13	13	15	Poor	Self-corrected lean, exposed roots, abnormal bark, shedding bark, bird holes, sap, red ring rot @ 1', low live crown ratio, dogleg	1				15	15	15	15		
201	327	Douglas fir	28	28	17	OK	Shedding bark, abnormal bark, carpenter ants, popping bark, asymmetric canopy to west		1			17	17	17	17		
202	328	Douglas fir	32	32	15	Fair	Exposed roots, bird holes, vertical crack @ 3', sap, column of decay on east popping bark	1				15	15	15	15	LM	
203	329	Cascara	7	7	8	Fair	Column of decay, vertical crack @ root crown to 3', wound @ 5'	1				8	8	8	8		
204	330	Hemlock	14	14	14	Poor	Column of decay on north, self-corrected lean to south, vertical crack	1				14	14	14	14		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
							on north										
205	331	Red alder	20	20	16	Fair	Self-corrected lean to south and west, exposed roots, previous top loss, typical of species, crack @ 3'	1				16	16	16	16		
206	332	Hemlock	10	10	12	Poor	Large perineal canker on west side previous top loss	1				12	12	12	12		
207	333	Red alder	22	22	15	Poor	Previous co-dominant leaders with included bark failed, large wound 6-8'	1				15	15	15	15		
208	334	Douglas fir	23	23	14	Fair	Abnormal bark, shedding bark, popping bark, bird holes, dead wood	1				14	14	14	14		
209	334A	Douglas fir	20	20	13	Poor	Exposed roots, abnormal bark, self-corrected lean, shedding bark, popping bark, dead twigs, broken branch's	1				13	13	13	13		
210	335	Douglas fir	24	24	12	Poor	Conk west side 2 12', popping bark, crack @ 6'	1				12	12	12	12		
211	336	Red alder	17	17	12	Poor	Column of decay to east exposed roots, dead scaffolds, co-dominant leaders with included bark @ root crown that failed with decay	1				12	12	12	12		
212	337	Cascara	6.5	6.5	11	Poor	Fallen to the ground	1				11	11	11	11		
213	339	Red alder	11	11	12	Poor	Large pocket of decay @ 13'	1				12	12	12	12		
214	340	Cascara	7	7	3	OK	Typical of species, exposed roots, tight canopy		1			3	3	3	3		
215	341	Cascara	12	12	10	Poor	Large co-dominant leaders with included bark failed at 6'	1				10	10	10	10		
216	341A	Red alder	9	9	12	Poor	Previous top loss, dead wood, broken branch's, not top	1				12	12	12	12		
217	342	Cascara	10	10	7	Poor	Large vertical crack @4'	1				7	7	7	7		
218	343	Bigleaf maple	7.5	7.5	8	OK	Self-corrected lean, dogleg, typical of species, broken branch's		1			8	8	8	8		
219	344	Bigleaf maple	8/7/8	8	13	OK	Co-dominant leaders with included bark X 3 @ 4', exposed roots, typical of species, vertical crack		1			13	13	13	13		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos	
								Remove		Retain		N	W	E	S			
								Not viable	Improvements	Impacted	Non Impacted							
220	345	Douglas fir	29	29	12	OK	Previous top loss, dead wood, dead twigs, broken branch's, column of decay, asymmetric canopy to SW popping bark		1				12	12	12	12		
221	350	Douglas fir	17	17	10	Poor	Very abnormal bark, popping bark, dead wood, shedding bark, sap, previous top loss	1					10	10	10	10		
222	351	Douglas fir	21	21	12	Fair	Abnormal bark, shedding bark, carpenter ants, popping bark, "S" shaped trunks, popping bark, dead wood, previous top loss,	1					12	12	12	12		
223	351A	Red alder	17	17	16	Fair	Typical of species, dead wood, broken branch's, decay in Branch collars, exposed roots	1					16	16	16	16		
224	352	Red alder	14	14	14	Poor	Column of decay on west side, vertical crack @ 12' with decay, typical of species, dead top, pileated woodpecker,	1					14	14	14	14		
225	353	Bitter cherry	8	8	8	Poor	Mostly DEAD large canker @ 6'	1					8	8	8	8		
226	354	Bitter cherry	11	11	12	Fair	Co-dominant leaders with included bark @ root crown, 4" spur is dead, asymmetric canopy to SW, low live crown ratio	1					12	12	12	12		
227	355	Bitter cherry	11/7/4	7	14	Poor	Co-dominant leaders with included bark X 3, dead trunks, failing to west, dead wood, broken branch's, moss and lichen	1					14	14	14	14		
228	356	Bitter cherry	15	15	16	Fair	Decay @ root crown, 1/2 of the tree has failed	1					16	16	16	16		
229	357	Bitter cherry	11	11	14	OK	Girdled with sapsucker holes, exposed roots, previous top loss, dead wood, broken branch's, self-corrected lean		1				14	14	14	14		
230	358	Red alder	13	13	14	Poor	Mostly dead	1					14	14	14	14		
231	359	Cascara	8	8	7	Poor	Vertical crack on east side 3-5' with hole of decay	1					7	7	7	7		
232	360	Red alder	9.5	9.5	15	Poor	Large wound on northwest side, decay, failing to east	1					15	15	15	15		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
233	361	Red alder	9	9	12	OK	Typical of species		1			12	12	12	12		
234	363	Bigleaf maple	24	24	20	Good	Typical of species, dead wood, dead scaffolds, moss and lichen		1			20	20	20	20		
235	365	Bitter cherry	10	10	9	Poor	Taped with a 7" cascara wound, previous top loss, dead wood, exposed roots	1				9	9	9	9		
236	367	Bitter cherry	6.5	6.5	8	OK	Typical of species, dead wood, broken branch's, exposed roots		1			8	8	8	8		
237	368	Bitter cherry	8	8	10	OK	Self-corrected lean to south, typical of species, dead wood, broken branch's, asymmetric canopy to SE moss and lichen		1			10	10	10	10		
238	369	Bitter cherry	6.5/6	6	12	Poor	Co-dominant leaders with included bark @ 1', fused again @ 4', rubbing wood @ 7'	1				12	12	12	12		
239	370	Bitter cherry	8/6/4	6	8	Fair	Typical of species with decay at root crown	1				8	8	8	8		
240	371	Bitter cherry	6.5	6.5	6	Fair	Self-corrected lean, low live crown ratio, broken branch's	1				6	6	6	6		
241	372	Bitter cherry	6	6	6	Fair	Typical of species, low live crown ratio, broken branch's, dead wood, self-corrected lean	1				6	6	6	6		
242	373	Bitter cherry	6	6	6	Fair	Low live crown ratio, dead wood, broken branch's, self-corrected lean	1				6	6	6	6		
243	375	Bitter cherry	6	6	6	OK	Typical of species, Lean to south				1	6	6	6	6		
244	376	Red alder	9	9	13	OK	Column of decay on north side, lean to south, asymmetric canopy on south, broken branch's, dead wood, typical of species				1	13	13	13	13		
245	377	Red alder	7	7	10	OK	Lean to south, dead wood, previous top loss, broken branch's, typical of species				1	10	10	10	10		
246	378	Red alder	6	6	10	OK	Large wound, column of decay @ 3'				1	10	10	10	10		
247	379	Red alder	7	7	12	OK	Typical of species, moss and lichen, broken branch's				1	12	12	12	12		
248	380	Red alder	6	6	13	Poor	Failing to east, wound 6' and 7', carpenter ants	1				13	13	13	13		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
249	382	Bitter cherry	8	8	8	OK	Typical of species, dead wood, asymmetric canopy to SE, Wound @ root crown with decay				1	8	8	8	8		
250	383	Red alder	7	7	7	OK	Typical of species, dead wood, moss and lichen, lean to south				1	7	7	7	7		
251	384	Bitter cherry	6.5	6.5	6.5	OK	Self-corrected lean, exposed roots, broken branch's, dead wood, moss and lichen				1	6.5	6.5	6.5	6.5		
252	388	Bitter cherry	7	7	7	OK	Typical of species, broken branch's, dead wood				1	7	7	7	7		
253	389	Red alder	17	17	13	OK	Poor pruning with decay, co-dominant leaders with included bark @ 5' with decay, large wound, carpenter ants				1	17	17	17	17		
254	390	Bitter cherry	7	7	14	OK	Typical of species wound @ root crown with decay				1	7	7	7	7		
255	391	Bitter cherry	7	7	12	OK	Typical of species, exposed roots, lean to west, previous top loss, asymmetric canopy on west, decay @ root crown				1	7	7	7	7		
256	392	Red alder	6	6	14	OK	Co-dominant leaders with included bark @2' wound with decay @ 4' SE, broken branch's, typical of species, poor pruning with decay				1	6	6	6	6		
257	394	Bitter cherry	7	7	3	OK	Typical of species, dead wood, broken branch's, exposed roots, 2 dead spurs wrapped around it				1	3	3	9	9		
258	397	Bitter cherry	8	8	9	OK	Typical of species, dead wood, broken branch's, exposed roots		1			9	9	9	9		
259	398	Bitter cherry	7.5	7.5	15	OK	Co-dominant leaders with included bark @ 1' typical of species, previous top loss, broken branch's, dead wood		1			15	15	15	15		
260	399	Bitter cherry	10	10	13	OK	Typical of species, exposed roots, co-dominant leaders with included bark @ 7'				1	13	13	13	13		
261	400	Hawthorne	6	6	12	Fair	Typical of species, dead wood, broken branch's, moss and lichen, wound @3'	1				12	12	12	12		
262	402	Hawthorne	8	8	14	OK	Typical of species, broken branch's, dead wood, moss and lichen, column of decay @ root crown to 3', north side		1			14	14	14	14		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
263	403	Hawthorne	8	8	10	Fair	Co-dominant leaders with included bark @ 5' typical of species, broken branch's, dead wood, column of decay on SE	1				10	10	10	10		
264	406	Hawthorne	7	7	2	OK	Typical of species, column of decay to east, dead wood, broken branch's				1	2	10	10	10		
265	409	Hawthorne	7	7	2	OK	Typical of species, dead wood, broken branch's				1	2	7	7	7		
266	411	Hawthorne	6	6	3	OK	Failing to east, typical of species, dead wood, broken branch's				1	3	12	12	12		
267	413	Hawthorne	7	7	12	Poor	Failing to north, decay in trunk	1				12	12	12	12		
268	415	Hawthorne	9	9	12	Poor	Co-dominant leaders with included bark @ 6', wound @ root crown to 3', hangers	1				12	12	12	12		
269	416	Hawthorne	12	12	10	Poor	Co-dominant leaders with included bark @ root crown, 3 other trunks failed, large wound east	1				10	10	10	10		
270	417	Cottonwood	16	16	12	OK	Lean to east, dead wood, previous top loss, exposed roots		1			12	12	12	12		
271	419	Cottonwood	17	17	18	Poor	Large canker at 8'	1				18	18	18	18		
272	420	Cottonwood	16	16	18	Poor	Lean to east 30 degrees, dead wood, broken branch's, typical of species	1				18	18	18	18		
273	421	Cottonwood	12	12	18	OK	lean to east, previous top loss, 1 lateral lean to SE		1			18	18	18	18		
274	422	Cottonwood	11	11	10	Poor	previous top loss, dead wood, dead scaffolds, large hanger	1				10	10	10	10		
275	423	Bigleaf maple	47	47	29	Fair	Exposed roots, dead wood, dead scaffolds, broken branch's, previous top loss, large bird holes @ 6', carpenter ants	1				29	29	29	29		
276	424	Cottonwood	24	24	14	Poor	Exposed roots, decay @ 12', column of decay @ 12', previous top loss, dead scaffolds, dead wood ,large column of decay @ 12'	1				14	14	14	14		
277	425	Hawthorne	7	7	8	Good	Typical of species		1			8	8	8	8		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos	
								Remove		Retain		N	W	E	S			
								Not viable	Improvements	Impacted	Non Impacted							
278	426	Bitter cherry	6.5	6.5	6	OK	Self-corrected lean, typical of species, broken branch's		1				6	6	6	6		
279	427	Cottonwood	15	15	21	Fair	Lean to east, carpenter ants, exposed roots, column of decay to east, asymmetric canopy to east	1					21	21	21	21		
280	428	Cottonwood	36	36	22	Poor	Co-dominant leaders with included bark @ 5' with decay, exposed roots, decay @ root crown, canker @ root crown, lean smaller trunk to east, dead wood, previous top loss	1					22	22	22	22		
281	429	Bitter cherry	7	7	0	Poor	Previous top loss, dead wood, mostly DEAD	1					0	0	0	0		
282	430	Bitter cherry	11	11	16	Fair	Typical of species previous top loss, dead wood, wound @ 1' moss and lichen	1					16	16	16	16		
283	431	Cottonwood	9/6/6/6	7	16	OK	Co-dominant leaders with included bark x 4@ 1', moss and lichen, typical of species, asymmetric canopy to east		1				16	16	16	16		
284	432	Cottonwood	12	12	16	Fair	Typical of species, self-corrected lean, exposed roots, carpenter ants sapsucker holes	1					16	16	16	16		
285	434	Hawthorne	7	7	12	Poor	Vertical crack @ root crown to 4', exposed roots, wound @ 1', carpenter ants	1					12	12	12	12		
286	435	Hawthorne	11/4/6/4/2	6	15	Poor	Co-dominant leaders with included bark @ root crown X 5, typical of species, lm, dead scaffold, broken branch's, column of decay to east, exposed roots	1					15	15	15	15		
287	436	Cascara	3/3/3/4/4/4/4	13	11	OK	Typical of species, dead wood , decay				1		11	11	11	11		
288	439	Hawthorne	7	7	12	OK	Typical of species, exposed roots		1				12	12	12	12		
289	440	Hawthorne	8	8	12	Poor	Typical of species, exposed roots, wound @ 3'	1					12	12	12	12		
290	441	Hawthorne	6	6	10	Fair	Typical of species, wound with decay @ 4'	1					10	10	10	10		
291	443	Hawthorne	8	8	11	OK	Typical of species, wound @ 5' with decay				1		11	11	11	11		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
292	444	Hawthorne	8.5	8.5	12	OK	Typical of species, column of decay to East, wound @ 4', dead spur moss and lichen				1	12	12	12	12		
293	445	Bitter cherry	9	9	11	OK	Exposed roots, asymmetric canopy to west, broken branch's, typical of species		1			11	11	11	11		
294	446	Bitter cherry	8/5	6.5	10	Fair	Co-dominant leaders with included bark @ root crown, twisted trunk, broken branch's	1				10	10	10	10		
295	447	Bitter cherry	6.5	6.5	10	Fair	Previous top loss, strong new leaders, broken branch's, self-corrected lean	1				10	10	10	10		
296	448	Bitter cherry	6	6	6	Fair	Exposed roots, lean to north, typical of species, broken branch's, asymmetric canopy to north	1				6	6	6	6		
297	450	Bitter cherry	8/6/6/4	6	9	OK	Co-dominant leaders with included bark, typical of species, dead wood, broken branch's, moss and lichen		1			9	9	9	9		
298	451	Bitter cherry	8	8	6	OK	Typical of species, broken branch's, low live crown ratio, moss and lichen		1			6	6	6	6		
299	451A	Bitter cherry	6	6	6	OK	Typical of species, moss and lichen, slight self-corrected lean, dead wood, broken branch's		1			6	6	6	6		
300	452	Bitter cherry	6.5	6.5	7	Fair	Co-dominant leaders with included bark @ root crown lean to south, column of decay @ 6'	1				7	7	7	7		
301	453	Bitter cherry	7/5	6	4	OK	Co-dominant leaders with included bark @ root crown, lean to south low live crown ratio, broken branch's		1			4	4	4	4		
302	454	Bitter cherry	13	13	6	Fair	Typical of species, exposed roots, co-dominant leaders with included bark @ 6', broken branch's, hanger, low live crown ratio, previous top loss	1				6	6	6	6		
303	455	Bitter cherry	7	7	6	OK	Typical of species, low live crown ratio, broken branch's		1			6	6	6	6		
304	458	Bitter cherry	6.5	6.5	6	OK	Typical of species, low live crown ratio, co-dominant leaders with included bark @ 15', broken branch's, dead wood, self-corrected lean to west		1			6	6	6	6		
305	458A	Bitter cherry	8.5	8.5	11	OK	Typical of species, broken branch's, moss and lichen		1			11	11	11	11		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos	
								Remove		Retain		N	W	E	S			
								Not viable	Improvements	Impacted	Non Impacted							
306	461	Bitter cherry	7/6/4.5	6	8	OK	Co-dominant leaders with included bark @ root crown X 3, typical of species, broken branch's, dead wood		1				8	8	8	8		
307	462	Bitter cherry	10	10	10	OK	Typical of species, dead wood, broken branch's, dogleg, exposed roots, moss and lichen		1				10	10	10	10		
308	463	Cascara	6	6	12	Fair	Typical of species	1					12	12	12	12		
309	464	Bitter cherry	9	9	6	Fair	Typical of species, exposed roots, lean to west, moss and lichen, broken branch's, dead wood	1					6	6	6	6		
310	465	Bitter cherry	7.5	7.5	4	Fair	Lean to east, low live crown ratio, broken branch's, dead wood, decay @ root crown	1					4	4	4	4		
311	466	Bitter cherry	9	9	6	Fair	Dogleg, low live crown ratio, self-corrected lean, broken branch's, dead wood,	1					6	6	6	6		
312	467	Bitter cherry	6	6	9	OK	Typical of species, broken branch's, de, moss and lichen		1				9	9	9	9		
313	468	Bitter cherry	10	10	2	Poor	Typical of species, mostly dead, previous top loss	1					2	2	2	2		
314	470	Cottonwood	7/3	7/3	10	Fair	co-dominant leaders with included bark @ 1', small spur dead, typical of species, asymmetric canopy to north	1					10	10	10	10		
315	471	Cottonwood	16	16	14	Fair	Column of decay on east, typical of species	1					14	14	14	14		
316	472	Cottonwood	8	8	10	Fair	Typical of species, asymmetric canopy to SE	1					10	10	10	10		
317	473	Cottonwood	10	10	8	Fair	Exposed roots, typical of species, asymmetric canopy slight lean to east	1					8	8	8	8		
318	474	Cottonwood	7/3	7/3	8	Poor	Co-dominant leaders with included bark @ root crown, 3 dead trunks, previous top loss, asymmetric canopy to west	1					8	8	8	8		
319	475	Cottonwood	7	7	12	OK	Typical of species		1				12	12	12	12		
320	476	Cottonwood	16	16	12	OK	Typical of species		1				12	12	12	12		
321	477	Hawthorne	7	7	12	Poor	Typical of species, large wound w decay @ root crown co-dominant	1					12	12	12	12		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
							leaders with included bark										
322	478	Cottonwood	9	9	12	Fair	Exposed roots, self-corrected lean (dramatic)	1				12	12	12	12		
323	479	Hawthorne	8	8	14	Poor	Large column of decay wound	1				14	14	14	14		
324	481	Cottonwood	12	12	14	OK	Exposed roots, typical of species, broken branch's, previous top loss		1			14	14	14	14		
325	482	Hawthorne	7	7	0	Poor	Large wound @ root crown	1				0	0	0	0		
326	483	Hawthorne	7	7	0	Poor	large wound, mostly dead	1				0	0	0	0		
327	485	Cottonwood	10/9/10/5	8.5	10	OK	Co-dominant leaders with included bark x 4 @ 1', typical of species		1			10	10	10	10		
328	486	Cottonwood	12	12	16	OK	Typical of species, dead wood, broken branch's		1			16	16	16	16		
329	487	Cottonwood	6.5	6.5	14	Fair	Typical of species, suppressed canopy, asymmetric canopy to south, decay at root crown, carpenter ants	1				14	14	14	14		
330	488	Cottonwood	8	8	12	Fair	Exposed roots, non self-corrected lean to SE, asymmetric canopy to SE, typical of species	1				12	12	12	12		
331	489	Bitter cherry	7	7	7	OK	Typical of species, broken branch's, dead wood, self-corrected lean, exposed roots		1			7	7	7	7		
332	490	Bitter cherry	7	7	8	OK	Typical of species, broken branch's, dead wood, previous top loss, wound @ 3'		1			8	8	8	8		
333	491	Red alder	13	13	14	Poor	Multi wounds @ 1'; 3/ 5', vertical crack on SE	1				14	14	14	14		
334	492	Bitter cherry	6	6	8	OK	Typical of species, dead wood, broken branch's moss and lichen		1			8	8	8	8		
335	493	Bitter cherry	6	6	8	Fair	Typical of species, wound @ 4' gummosis	1				8	8	8	8		
336	494	Bitter cherry	6	6	8	Poor	Wound w sap, gummosis	1				8	8	8	8		
337	495	Bitter cherry	10	10	10	OK	Co-dominant leaders with included bark @ 4', typical of species, broken branch's, asymmetric canopy to south		1			10	10	10	10		

1	2	3	4	5	6	7	8	9				10				11	12	
								Proposed Action				CRZ/TPZ/LOD						
								Remove		Retain		N	W	E	S			
Not viable	Improvements	Impacted	Non Impacted															
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments											
338	496	Bitter cherry	7	7	8	ok	typical of species		1				8	8	8	8		
339	497	Bitter cherry	6	6	8	Fair	Co-dominant leaders with included bark @ 3', decay @ crotch	1					8	8	8	8		
340	498	Hawthorne	10	10	12	Poor	Failing to west	1					12	12	12	12		
341	499	Hawthorne	8	8	12	Poor	Failing to west, weird ooze	1					12	12	12	12		
342	500	Cottonwood	14	14	12	OK	Typical of species, broken branch's, dead wood		1				12	12	12	12		
343	501	Cottonwood	7.5	7.5	10	Fair	Typical of species, dead wood, broken branch's, non- self-corrected lean @ 25'	1					10	10	10	10		
344	502	Cottonwood	10	10	10	OK	Typical of species, self-corrected lean (slight)		1				10	10	10	10		
345	502A	Cottonwood	9	9	12	OK	typical of species, asymmetric canopy to south, moss and lichen		1				12	12	12	12		
346	503	Cottonwood	7	7	10	Fair	Slight self-corrected lean to south	1					10	10	10	10		
347	504	Cottonwood	7	7	10	Fair	Co-dominant leaders with included bark reduced to 1 @ 7', roots in water	1					10	10	10	10		
348	505	Cascara	8	8	8	Fair	Co-dominant leaders with included bark @ 4', column of decay to west, multiple wounds	1					8	8	8	8		
349	506	Cascara	8	8	12	Poor	Co-dominant leaders with included bark @ 5', column of decay to south, decay in scaffolds	1					12	12	12	12		
350	507	Cottonwood	9	9	12	OK	Typical of species, self-corrected lean, low live crown ratio, exposed roots		1				12	12	12	12		
351	508	Cottonwood	11	11	12	Fair	Typical of species, broken branch's, vertical cracks on north side with decay	1					12	12	12	12		
352	509	Cottonwood	13	13	14	OK	Typical of species, dead wood, broken branch's, exposed roots, moss and lichen		1				14	14	14	14		
353	509A	Cottonwood	6	6	6	Poor	Large wound @ 4', carpenter ants	1					6	6	6	6		
354	510	Cottonwood	11	11	14	OK	Typical of species, broken branch's		1				14	14	14	14		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
355	511	Cottonwood	10	10	10	OK	Typical of species, asymmetric canopy to east		1			10	10	10	10		
356	512	Cottonwood	9	9	18	OK	Typical of species, dead wood, broken branch's		1			18	18	18	18		
357	513	Cottonwood	9.5	9.5	10	Poor	Vertical crack @ root crown to 4', exposed roots, wound @ 1', carpenter ants	1				10	10	10	10		
358	514	Cottonwood	7	7	10	OK	Typical of species, lm		1			10	10	10	10		
359	515	Cottonwood	8	8	8	Fair	Lean to east, typical of species	1				8	8	8	8		
360	516	Cottonwood	16	16	16	OK	Typical of species, moss and lichen, broken branch's		1			16	16	16	16		
361	517	Cottonwood	7	7	10	OK	Typical of species		1			10	10	10	10		
362	518	Cottonwood	9	9	6	Good	Typical of species		1			6	6	6	6		
363	519	Cottonwood	8/8	8	10	Good	Co-dominant leaders with included bark @ 3', typical of species,		1			10	10	10	10		
364	520	Cascara	10	10	16	Poor	Exposed roots, moss and lichen , typical of species, broken branch's, hangers, wound @ 4', co-dominant leaders with included bark @ 6' with decay	1				16	16	16	16		
365	522	Cottonwood	10	10	10	Good	Exposed roots, asymmetric canopy to south, typical of species		1			10	10	10	10		
366	523	Cottonwood	8/7	7.5	10	OK	Typical of species, co-dominant leaders with included bark @ 3'		1			10	10	10	10		
367	525	Cottonwood	12/13	12.5	14	Poor	Co-dominant leaders with included bark @ 4' with decay, typical of species	1				14	14	14	14		
368	526	Cottonwood	8	8	16	OK	Typical of species, exposed roots, suppressed canopy, asymmetric canopy to north		1			16	16	16	16		
369	527	Cottonwood	7	7	8	OK	Typical of species, dead wood, broken branch's		1			8	8	8	8		
370	528	Cottonwood	10/9	9.5	8	OK	exposed roots, decay @ root crown, typical of species, previous top loss X2		1			8	8	8	8		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
371	529	Cottonwood	7.5	7.5	7	Fair	Typical of species, dead wood, exposed roots, cracks	1				7	7	7	7		
372	530	Cottonwood	6	6	8	Fair	Exposed roots, undermined roots, dead wood, broken branch's, crack on north side	1				8	8	8	8		
373	531	Cottonwood	11	11	11	OK	Typical of species, standing water, dead wood, broken branch's		1			11	11	11	11		
374	532	Cottonwood	8	8	8	OK	Typical of species, in standing water		1			8	8	8	8		
375	533	Cottonwood	7	7	10	good	Typical of species		1			10	10	10	10		
376	534	Cottonwood	10	10	12	Fair	Typical of species, decay @ root crown, carpenter ants	1				12	12	12	12		
377	535	Cottonwood	11	11	14	OK	Exposed roots, lean to south, typical of species		1			14	14	14	14		
378	536	Cottonwood	6/4/12	7	12	Fair	co-dominant leaders with included bark @ root crown, decay @ root crown, previous failure @ root crown, carpenter ants, typical of species	1				12	12	12	12		
379	537	Pacific willow	4/8/47/5/5	8	18	Poor	Decay in center trunk, decay @ root crown	1				18	18	18	18		
380	538	Cottonwood	14	14	5	OK	Typical of species				1	5	14	14	14		
381	539	Bitter cherry	6/6	6	10	OK	Co-dominant leaders with included bark @ 4', typical of species, crack with column of decay, damage @ 5' with decay, carpenter ants				1	10	12	12	12		
382	540	Red alder	8	8	7	OK	Column of decay to south, carpenter ants, typical of species, broken branch's				1	7	10	10	10		
383	541	Cottonwood	14	14	12	OK	Exposed roots, decay @ root crown		1			12	12	12	12		
384	542	Red alder	7.5	7.5	16	Good	Typical of species		1			16	16	16	16		
385	543	Red alder	8	8	14	Good	Typical of species, slight lean to south, asymmetric canopy		1			14	14	14	14		
386	544	Red alder	7/8	7.5	3	OK	Co-dominant leaders with included bark @ 1', decay @ root crown				1	3	14	14	14		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										
387	545	Cottonwood	6	6	8	OK	Typical of species		1			8	8	8	8		
388	546	Cottonwood	7	7	8	Fair	Multiple wounds with decay	1				8	8	8	8		
389	547	Cottonwood	9	9	6	OK	typical of species, broken branch's, low live crown ratio		1			6	6	6	6		
390	548	Cottonwood	9	9	8	OK	Wound @ 1' decay, carpenter ants, exposed roots, typical of species		1			8	8	8	8		
391	549	Cottonwood	8	8	6	OK	Typical of species, dead wood, broken branch's, low live crown ratio		1			6	6	6	6		
392	550	Cottonwood	7.5	7.5	6	OK	Typical of species, decay @ 5', carpenter ants		1			6	6	6	6		
393	552	Cottonwood	10	10	10	OK	Typical of species, exposed roots		1			10	10	10	10		
394	553	Cottonwood	11	11	13	OK	Decay @ root crown, sapsucker, typical of species, dead wood, broken branch's		1			13	13	13	13		
395	554	Cottonwood	7	7	10	Fair	Exposed roots, decay @ root crown sapsucker, crack @ 5'	1				10	10	10	10		
396	555	Red alder	6.5	6.5	7	OK	Lean to south, soil failure, typical of species, broken branch's, dead wood				1	7	7	7	7		
397	556	Red alder	12	12	9	OK	Twisted trunk, co-dominant leaders with included bark @ 4', broken branch's, dead wood, column of decay on east side				1	9	14	14	14		
398	557	Cottonwood	6.5	6.5	14	OK	Typical of species, wound @ 1'm moss and lichen, dead wood, asymmetric canopy to south		1			14	14	14	14		
399	558	Cottonwood	11	11	14	Fair	vertical crack on north side, sooty mold, dead wood	1				14	14	14	14		
400	560	Red alder	10	10	12	Fair	Typical of species, dead wood, moss and lichen, vertical crack	1				12	12	12	12		
401	561	Cottonwood	6/7	6.5	12	Poor	Co-dominant leaders with included bark @ 1', twisted trunks, dead spur	1				12	12	12	12		
402	562	Bigleaf maple	10	10	16	OK	Typical of species		1			16	16	16	16		
403	566	Bitter cherry	8	8	12	Fair	Lean to south, previous top loss, wound @ 4', with decay, exposed roots	1				12	12	12	12		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
404	567	Cottonwood	18/15/14	12.5	18	Poor	co-dominant leaders with included bark @ root crown X 3, exposed roots, heaved soil, decay @ root crown, decay in all trunks	1				18	18	18	18		
405	568	Cottonwood	18	18	18	Poor	Typical of species, column of decay @ 4', column of decay @ 6', carpenter ants, lean to east	1				18	18	18	18		
406	569	Bitter cherry	7.5	7.5	12	Fair	Exposed roots, lean to north, typical of species, dead wood, broken branch's	1				12	12	12	12		
407	572	Bigleaf maple	8	8	0	Poor	Failing to south	1				0	0	0	0		
408	573	Bitter cherry	8/6	7	10	Fair	co-dominant leaders with included bark @ root crown, dead wood, broken branch's, decay @ root crown typical of species, wound @ 5'	1				10	10	10	10		
409	574	Cottonwood	10	10	10	Poor	Failing to north, exposed roots, carpenter ants, abnormal bark, popping bark	1				10	10	10	10		
410	576	Cottonwood	27/8/20/18	18	20	Fair	Co-dominant leaders with included bark @ root crown, d scaffold and throughout	1				20	20	20	20		
411	577	Cottonwood	23	23	17	OK	Typical of species, exposed roots, dead wood		1			17	17	17	17		
412	579	Bitter cherry	6	6	8	Poor	Typical of species, moss and lichen, asymmetric canopy to NE, dead wood, broken branch's, exposed roots, gummosis	1				8	8	8	8		
413	581	Bitter cherry	7	7	6	OK	Typical of species, exposed roots, broken branch's, moss and lichen		1			6	6	6	6		
414	582	Bitter cherry	8	8	8	OK	Typical of species,		1			8	8	8	8		
415	583	Bitter cherry	10	10	12	Poor	Exposed roots, dogleg @ 6', co-dominant leaders with included bark, failure, decay	1				12	12	12	12		
416	584	Hawthorne	10	10	12	Poor	Failing to east, sapsucker	1				12	12	12	12		
417	585	Bitter cherry	7	7	14	Fair	Self-corrected lean, exposed roots, dead wood, broken branch's, decay @ root crown	1				14	14	14	14		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
418	586	Bitter cherry	9	9	14	Poor	Co-dominant leaders with included bark @ 10', dead wood, broken branch's, exposed roots, typical of species, wound with decay @ 8'	1				14	14	14	14		
419	587	Bitter cherry	10/12	11	12	Poor	Decay @ root crown, exposed roots, lean to east, asymmetric canopy to east, dead wood, broken branch's, co-dominant leaders with included bark @ 1'	1				12	12	12	12		
420	588	Douglas fir	41	41	16	OK	Exposed roots, broken branch's, dead wood, epicormic branch formation, carpenter ants, sap, coning, previous top loss		1			16	16	16	16	LM	
421	589	Bitter cherry	11	11	12	Poor	Exposed roots, lean to north, decay @ root crown, column of decay, root crown to 3'	1				12	12	12	12		
422	591	Bitter cherry	9	9	14	Fair	Exposed roots, decay @ root crown, broken branch's, moss and lichen, asymmetric canopy to west	1				14	14	14	14		
423	592	Bitter cherry	9	9	10	Fair	Typical of species, previous top loss, dead wood, asymmetric canopy to north, broken branch's, exposed roots	1				10	10	10	10		
424	593	Bitter cherry	11	11	16	Fair	Lean to north, exposed roots, decay @ root crown, column of decay on south side, broken branch's, dead wood, typical of species	1				16	16	16	16		
425	594	Bitter cherry	7	7	14	Poor	Exposed roots, decay @ root crown, broken branch's, soil failure to west	1				14	14	14	14		
426	595	Bitter cherry	8	8	12	Fair	Typical of species, asymmetric canopy to west, broken branch's, exposed roots, column of decay @ 2', wound @ 6', exposed roots	1				12	12	12	12		
427	597	Western red cedar	42	42	18	Good	Exposed roots, carpenter ants, broken branch's, dead wood, typical of species		1			18	18	18	18	LM	
428	598	Western red cedar	50	50	18	Good	Asymmetric canopy, exposed roots, carpenter ants, column of decay, typical of species		1			18	18	18	18	LM	

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
429	599	Holly	9/11/9/9	9.5	14	OK	co-dominant leaders with included bark @ 1', decay, sapsucker, typical of species, full of nails		1			14	14	14	14		
430	600	Western red cedar	9	9	12	OK	Exposed roots, asymmetric canopy and sapsuckers		1			12	12	12	12		
431	601	Western red cedar	9	9	14	OK	Spur @ 4', exposed roots, column of decay, below the spur, typical of species		1			14	14	14	14		
432	602	Western red cedar	6	6	7	OK	Exposed roots, asymmetric canopy , thin canopy, typical of species		1			7	7	7	7		
433	603	Western red cedar	12	12	10	OK	typical of species				1	10	10	10	10		
434	604	Western red cedar	24	24	9	Good	Asymmetric canopy to east, broken branch's, carpenter ants, exposed roots		1			12	12	12	9		
435	606	Cottonwood	15	15	14	Poor	Exposed roots, crack 1-4', spur, decay @ root crown	1				14	14	14	14		
436	608	Cottonwood	9	9	10	Fair	Decay in plane of lean to south, crack	1				10	10	10	10		
437	609	Bitter cherry	8	8	14	OK	Typical of species, dead wood, self-corrected lean, exposed roots, moss and lichen		1			14	14	14	14		
438	610	Bigleaf maple	18	18	12	Poor	Column of decay, root crown to 2', cracks, galls, previous top loss, dead wood	1				12	12	12	12		
439	*611	Cascara	8	8	16	OK	typical of species			1		16	16	16	16		
440	612	Cottonwood	29	29	16	OK	Exposed roots , decay @ root crown, typical of species, previous top loss, broken branch's, dead wood, column of decay, root crown to 5', south side				1	16	16	16	16		
441	613	Bitter cherry	9/9	9	10	OK	Co-dominant leaders with included bark @ 1', exposed roots, previous top loss, decay @ root crown, carpenter ants, moss and lichen				1	11	11	5	11		
442	614	Bitter cherry	8	8	12	OK	Exposed roots, column of decay @ root crown, dead wood, asymmetric				1	12	12	12	12		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
							canopy to south										
443	615	Cascara	13	13	10	Poor	Tagged in filed as #575, co-dominant leaders with included bark @ 4', large vertical crack 1-3'	1				10	10	10	10		
444	616	Cascara	9	9	14	Poor	Sapsuckers, co-dominant leaders with included bark @ 6', column of decay 6', carpenter ants, lean to west	1				14	14	14	14		
445	617	Bitter cherry	6	6	8	OK	Typical of species, dead wood, broken branch's, moss and lichen, exposed roots		1			8	8	8	8		
446	619	Cascara	8	8	12	Fair	Typical of species, dead wood, broken branch's, soil failure to north, heaved soil	1				12	12	12	12		
447	620	Red alder	11	11	10	OK	co-dominant leaders with included bark @ 6', slight leant self-corrected lean to east, typical of species		1			10	10	10	10		
448	621	Bitter cherry	6	6	12	OK	Typical of species		1			12	12	12	12		
449	622	Cascara	8	8	12	Poor		1				12	12	12	12		
450	623	Hawthorne	6/8/3	6	10	Poor	Co-dominant leaders with included bark @ 3', mostly dead	1				10	10	10	10		
451	626	Bitter cherry	7	7	8	OK	Exposed roots, dogleg, dead wood, broken branch's, typical of species		1			8	8	8	8		
452	626A	Plum	8	8	5	OK	Failing to east, dead wood, broken branch's, decay @ root crown decay @ crotch			1		5	5	5	5		
453	627	Bitter cherry	7	7	6	OK	Dead wood, broken branch's, typical of species		1			6	6	6	6		
454	627A	Bitter cherry	7	7	8	OK	Dead wood, previous top loss, lean				1	8	8	8	8		
455	628	Cottonwood	23	23	18	OK	Exposed roots, asymmetric canopy to SW, broken branch's, dead scaffolds				1	18	18	18	18		
456	628A	Bitter cherry	7.5	7.5	10	OK	Sapsucker, dead wood, broken branch's, typical of species		1			10	10	10	10		
457	629A	Cottonwood	37	37	19	Poor	Sap with slime mold, typical of species, broken branch's, dead wood	1				19	19	19	19		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
458	630	Bitter cherry	6	6	6	OK	typical of species				1	6	6	6	6		
459	630A	Cottonwood	18	18	14	Fair	Typical of species, asymmetric canopy to SE, lean to east > 10 degrees	1				14	14	14	14		
460	631	Bitter cherry	6	6	4	Poor	Failing to north, decay @ root crown	1				4	4	4	4		
461	631A	Cottonwood	16	16	18	Fair	Asymmetric canopy to south, typical of species, exposed roots, crack @ 4' to 6'	1				18	18	18	18		
462	632	Red alder	16	16	8	Poor	Previous failure, decay, pileated woodpecker	1				8	8	8	8		
463	632A	Cottonwood	16	16	14	OK	Typical of species, asymmetric canopy to SW		1			14	14	14	14		
464	633	Cottonwood	18	18	14	OK	Typical of species, asymmetric canopy to west, suppressed canopy, girdled root, exposed roots		1			14	14	14	14		
465	634	Cottonwood	25	25	20	OK	Exposed roots, typical of species, asymmetric canopy to west		1			20	20	20	20		
466	635	Red alder	6	6	5	OK	typical of species, asymmetric canopy to west, dead wood, broken branch's		1			5	5	5	5		
467	636	Pacific willow	8/4/6*3/8	6	10	OK	Typical of species, dead wood, d scaffold		1			10	10	10	10		
468	637	Red alder	6	6	6	Poor	Crack @ crotch, 6'	1				6	6	6	6		
469	639	Red alder	7	7	10	OK	Typical of species, dead wood, broken branch's		1			10	10	10	10		
470	640	Bitter cherry	4/8	6	12	Poor	Co-dominant leaders with included bark @ root crown, decay @ root crown Co-dominant leaders with included bark @ 5', dead scaffolds	1				12	12	12	12		
471	641	Cottonwood	8	8	6	OK	Typical of species, exposed roots		1			6	6	6	6		
472	642	Cottonwood	11/12	11.5	7	Poor	Co-dominant leaders with included bark @ root crown, d@ root crown, multiple failures	1				7	7	7	7		
473	643	Bigleaf maple	16/13/8	14	18	Fair	Co-dominant leaders with included bark X 3 @ 4', dead wood, crack in south side, multiple failures of limbs	1				18	18	18	18		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
474	644	Red alder	6	6	4	OK	Lean to west, typical of species		1			4	4	4	4		
475	645	Bitter cherry	6	6	10	OK	Typical of species, dead wood, dead top, previous top loss		1			10	10	10	10		
476	646	Bitter cherry	8	8	10	OK	Sapsucker, exposed roots, dead wood, typical of species		1			10	10	10	10		
477	647	Red alder	7	7	7	OK	Exposed roots, failing to south		1			7	7	7	7		
478	648	Bitter cherry	6	6	6	OK	Typical of species		1			6	6	6	6		
479	649	Cottonwood	6/5/4	7.5	8	OK	Co-dominant leaders with included bark @ root crown, decay @ root crown, carpenter ants, dead trunk X 2		1			8	8	8	8		
480	650	Cottonwood	16	16	16	OK	Typical of species, dead wood, broken branch's		1			16	18	18	18		
481	651	Cottonwood	6	6	6	Fair	Sooty mold, vertical crack on north side, typical of species, decay @ root crown	1				6	6	6	6		
482	652	Cottonwood	8/8	8	5	OK	Co-dominant leaders with included bark @ root crown, typical of species, previous top loss @ 20'				1	5	15	15	15		
483	653	Cottonwood	11	11	14	OK	Typical of species		1			14	14	14	14		
484	654	Cottonwood	6/9	7.5	5	OK	Co-dominant leaders with included bark, typical of species, previous top loss, dead wood				1	5	15	15	15		
485	655	Cottonwood	9	9	1	OK	Typical of species		1			1	15	15	15		
486	656	Cottonwood	9	9	3	OK	Typical of species , self-corrected lean to west				1	3	15	15	15		
487	657	Red alder	7.5	7.5	12	Fair	Typical of species, Standing water, dead wood, previous top loss, vertical crack, wound @ 7'	1				12	12	12	12		
488	658	Red alder	6	6	10	Fair	Standing in water, moss and lichen, typical of species, lean to south	1				10	10	10	10		
489	659	Cottonwood	6	6	6	Good	Typical of species		1			6	6	6	6		

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								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
490	660	Cottonwood	9	9	5	OK	Typical of species, co-dominant leaders with included bark @ root crown, sapsucker, asymmetric canopy, dead wood, broken branch's		1			5	5	5	5		
491	661	Cottonwood	7	7	8	OK	Typical of species		1			8	8	8	8		
492	662	Cottonwood	13	13	5	OK	Typical of species				1	9	9	5	9		
493	663	Cottonwood	9	9	10	OK	No self-corrected lean to south, vertical cracks, north sick wounds				1	10	10	10	10		
494	664	Cottonwood	8	8	6	OK	Typical of species, exposed roots				1	6	14	6	14		
495	665	Bitter cherry	6	6	10	Poor	Large wound w decay, previous failure,@ 6'	1				10	10	10	10		
496	666	Cottonwood	7	7	15	OK	Exposed roots, decay @ root crown, typical of species		1			15	15	15	15		
497	667	Cottonwood	13	13	14	OK	Typical of species		1			14	14	14	14		
498	668	Cascara	7	7	9	OK	Typical of species		1			9	9	9	9		
499	669	Cottonwood	7	7	10	OK	Typical of species, self-corrected lean to south		1			10	10	10	10		
500	671	Cottonwood	9	9	15	OK	Exposed roots, typical of species		1			15	15	15	15		
501	673	Bitter cherry	7	7	8	Fair	Typical of species, dead wood, "S" shaped trunk, decay@ root crown	1				8	8	8	8		
502	676	Bitter cherry	10	10	12	Fair	Non self-corrected lean to southeast, exposed roots, pushed over by #677	1				12	12	12	12		
503	677	Bitter cherry	7	7	6	Poor	Co-dominant leaders with included bark @ 3', one side failed, crack @ root crown, failing onto #676	1				6	6	6	6		
504	678	Red alder	7	7	10	OK	Failing to north, soil failure, dead wood, broken branch's				1	10	10	10	10		
505	679	Red alder	6/14	10	8	Poor	Co-dominant leaders with included bark @ root crown, failing to north, mostly dead	1				8	8	8	8		
506	700	Cottonwood	7.5	7.5	10	ok	Column of decay @ 10'				1	10	10	10	10		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
507	701	Bitter cherry	6	6	6	OK	Typical of species, suppressed canopy, exposed roots, decay @ root crown				1	6	6	6	6		
508	702	Bitter cherry	6	6	6	OK	Typical of species				1	6	6	6	6		
509	703	Bitter cherry	6	6	10	Poor	Failing to south	1				10	10	10	10		
510	704	Pacific Hawthorne	7	7	7	Fair	Failing to south, self-corrected lean, co-dominant leaders with included bark @ 5', dead wood, broken branch's, previous top loss	1				7	7	7	7		
511	705	Cascara	7	7	7	Good	Exposed roots, typical of species,		1			7	7	7	7		
512	707	Cottonwood	15	15	12	OK	Large exposed roots, typical of species		1			12	12	12	12		
513	708	Bitter cherry	7	7	14	Fair	Typical of species, wound @ 18'	1				14	14	14	14		
514	709	Bitter cherry	8	8	12	OK	Typical of species, asymmetric canopy to east		1			12	12	12	12		
515	710	Bitter cherry	11	11	9	Poor	Dogleg, co-dominant leaders with included bark reduced to 1, reaction wood, Decay @ root crown, gummosis	1				9	9	9	9		
516	711	Bitter cherry	7	7	7	OK	Typical of species, asymmetric canopy to west, dead wood, broken branch's		1			7	7	7	7		
517	712	Cottonwood	24	24	20	Good	Typical of species		1			20	20	20	20		
518	713	Cottonwood	11	11	12	OK	Typical of species, suppressed canopy, asymmetric canopy to west, "S" shaped trunk, fused root w #712, ivy		1			12	12	12	12		
519	714	Cottonwood	6	6	10	Good	Typical of species		1			10	10	10	10		
520	715	Cottonwood	9	9	12	OK	Broken branch's, typical of species				1	12	12	12	12		
521	716	Bigleaf maple	10/12	11	6	OK	Co-dominant leaders with included bark @ 3', slight lean to west, typical of species, dead wood, dead scaffolds vertical crack on north side				1	6	6	6	6		
522	717	Bitter cherry	6	6	6	OK	Dogleg, low live crown ratio, "S" shaped trunk, typical of species, broken branch's, suppressed canopy				1	6	6	6	6		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
523	720	Bitter cherry	6	6	8	OK	Typical of species				1	8	8	8	8		
524	725	Bitter cherry	7/12	9.5	6	OK	"s" shaped twisted trunk , typical of species, dead wood, broken branch's, exposed roots				1	6	6	6	6		
525	726	Bitter cherry	6	6	9	OK	Exposed roots, lean to south, typical of species, low live crown ratio, "S" shaped trunk				1	9	9	9	9		
526	727	Red alder	6	6	6	OK	Decay @ root crown lean to east, low live crown ratio, "S" shaped trunk				1	6	6	6	6		
527	729	Red alder	8	8	10	OK	Exposed roots, dead wood, broken branch's, typical of species				1	10	10	10	10		
528	730	Bigleaf maple	17	17	20	OK	Large failure, column of decay @ 7' , exposed roots				1	20	20	20	20		
529	731	Bigleaf maple	11	11	12	OK	Co-dominant leaders with included bark @ 7, dead scaffold, dead wood, broken branch's				1	12	12	12	12		
530	732	Bitter cherry	9	9	12	OK	"S" shaped trunk, self-corrected lean, dead wood, broken branch's, typical of species				1	12	12	12	12		
531	734	Bitter cherry	6	6	6	OK	Typical of species, low live crown ratio, broken branch's				1	6	6	6	6		
532	735	Bitter cherry	7	7	6	OK	Typical of species, dead wood, broken branch's				1	6	6	6	6		
533	736	Bitter cherry	7	7	10	OK	Typical of species, dead wood, broken branch's				1	10	10	10	10		
534	737	Bitter cherry	6	6	5	OK	typical of species				1	5	5	5	5		
535	738	Bitter cherry	8	8	12	OK	Typical of species, broken branch's, dead wood				1	12	12	12	12		
536	739	Bitter cherry	6	6	6	OK	Wound @ 4' with decay, carpenter ants, "S" shaped trunk typical of species				1	6	6	6	6		
537	740	Bitter cherry	7	7	12	OK	Typical of species				1	12	12	12	12		
538	*742	Bitter cherry	7	7	6	OK	Typical of species, dead wood, broken branch's, slight lean to south, wound w decay @ 7'			1		6	6	6	6		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										
539	743	Bitter cherry	6	6	6	OK	Typical of species				1	6	6	6	6		
540	*744	Bitter cherry	14	14	12	OK	Co-dominant leaders with included bark X 5 @ 4', dead scaffolds, failed scaffolds				1	12	12	12	12		
541	*745	Bitter cherry	8	8	12	OK	Wound @ 5', gummosis				1	12	12	12	12		
542	*746	Bitter cherry	6	6	8	OK	Typical of species				1	8	8	8	8		
543	*747	Red alder	7	7	7	OK	Self-corrected lean, typical of species, dead wood, broken branch's				1	7	7	7	7		
544	*748	Red alder	12	12	14	OK	Failing to east, slight self-corrected lean, dead wood, broken branch's				1	14	14	14	14		
545	751	Bitter cherry	7	7	10	OK	Exposed roots, decay @ root crown, typical of species, "s" Shape, leaning to south, non- self-corrected lean, broken branch's, dead wood, wet soil				1	10	10	10	10		
546	752	Bigleaf maple	13	13	16	Good	BROKEN BRANCH'S, previous top loss, typical of species				1	16	16	16	16		
547	753	Cottonwood	33	33	15	OK	Exposed roots, dead wood, broken branch's, previous top loss, typical of species, lean to east, suppressed canopy under large cottonwood #755				1	15	15	15	15		
548	754	Cottonwood	17	17	16	OK	Exposed roots, decay @ root crown, typical of species , lateral on north				1	16	16	16	16		
549	*755	Cottonwood	26	26	20	OK	Co-dominant leaders with included bark X3, carpenter ants with decay @ 3', vertical crack on north side, dead wood, broken branch's, previous top loss, good for size and age				1	20	20	20	20		
550	756	Bigleaf maple	18	18	6	Poor	Wound @ 3'-4', slime mold, decay, broken branch's, previous top loss, dead top	1				6	6	6	6		
551	*757	Bigleaf maple	16	16	18	Good	Broken branch's, dead wood, typical of species				1	18	18	18	18		
552	*758	Bitter cherry	7	7	6	OK	Self-corrected lean, dead wood, broken branch's, previous top loss, low live crown ratio, failing to west				1	6	6	6	6		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
553	*759	Bigleaf maple	16	16	14	OK	Lean to south, dead wood, dead scaffolds, typical of species			1		14	14	14	14		
554	760	Cottonwood	18	18	12	Fair	Wound @ 4' with decay, carpenter ants, "S" shaped trunk typical of species	1				12	12	12	12		
555	*761	Cottonwood	17	17	15	OK	Crack @ 4', exposed roots, previous top loss, lateral on south with decay, carpenter ants			1		15	15	15	15		
556	762	Cottonwood	20	20	16	OK	Exposed roots, previous top loss, large lateral on south side, carpenter ants,				1	16	16	16	16		
557	763	Douglas fir	35	35	21	Poor	Exposed roots, broken branch's, dead wood, carpenter ants, vertical crack, on NW side 2-4', large wound w epicormic branch formation @ 3-4', red ring rot, spur 7" south side, column of decay on south side	1				21	21	21	21	LM	
558	*765	Bigleaf maple	8	8	5	Good	Spur Column of decay @ 12', large vertical crack, carpenter ants, column of decay			1		5	5	5	5		
559	*766	Bigleaf maple	7	7	5	Good	Typical of species, scar on north side			1		5	5	5	5		
560	*768	Red alder	6	6	5	OK	Typical of species, crack on north side			1		5	5	5	5		
561	*769	Red alder	6	6	3	OK	Typical of species, dead wood, broken branch's			1		3	3	3	3		
562	*770	Bigleaf maple	9	9	9	Good	Typical of species,			1		9	9	9	9		
563	771	Red alder	6	6	6	OK	Typical of species, dead wood, broken branch's		1			6	6	6	6		
564	772	Cascara	6/8/3	6	18	Poor	Co-dominant leaders with included bark @ root crown X3, decay @root crown, twisted trunk	1				18	18	18	18		
565	773	Red alder	9	9	16	OK	Typical of species, dead wood, broken branch's, asymmetric canopy to west, co-dominant leaders with included bark @ 6', moss and lichen		1			16	16	16	16		
566	775	Red alder	7	7	14	Poor	Typical of species, dead wood, broken branch's, sapsucker, carpenter ants	1				14	14	14	14		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
567	776	Bitter cherry	9	9	12	Fair	Sapsucker, co-dominant leaders with included bark @ 9', dead wood, self-corrected lean to west	1				12	12	12	12		
568	777	Bitter cherry	7	7	14	Poor	Lean to east, co-dominant leaders with included bark reduced to 1, dogleg with decay	1				14	14	14	14		
569	778	Red alder	6	6	10	Fair	Typical of species, dead wood, broken branch's, lean to East	1				10	10	10	10		
570	781	Cascara	7	7	10	OK	Typical of species waterspouts, dead wood, broken branch's		1			10	10	10	10		
571	783	Cascara	8	8	18	Poor	Dead wood, typical of species, broken branch's, pileated woodpecker	1				18	18	18	18		
572	785	Cascara	6/5/6/8	6	18	OK	broken branch's, co-dominant leaders with included bark X 4 @ 3', dead wood, typical of species		1			18	18	18	18		
573	*787	Red alder	6.5	6.5	9	OK	Typical of species, dead wood, broken branch's moss and lichen			1		9	9	9**	9		
574	*789	Red alder	6	6	12	OK	Typical of species, dead wood, broken branch's, decay @ root crown, with wound			1		12	12	12**	12		
575	*790	Red alder	8	8	11	OK	Typical of species, dead wood, broken branch's, moss and lichen			1		11	11	11**	11		
576	*791	Red alder	6	6	12	OK	Decay @ root crown, dead wood, broken branch's, typical of species, co-dominant leaders with included bark @ 9', lean to south			1		12	12	12**	12		
577	794	Red alder	7	7	12	Poor	Typical of species, 20 degree lean to East, failing to east, wound @ 2'	1				12	12	12	12		
578	795	Cottonwood	9	9	12	OK	Typical of species, exposed roots, "S" shaped trunk		1			12	12	12	12		
579	796	Red alder	7	7	12	Poor	Mostly dead	1				12	12	12	12		
580	797	Cottonwood	6.5/6.5	6.5	8	OK	Co-dominant leaders with included bark @ root crown, typical of species, asymmetric canopy to south		1			8	8	8	8		
581	798	Red alder	9	9	5	OK	Decay @ root crown, asymmetric canopy to west				1	10	10	5	10		
582	799	Red alder	10	10	14	Fair	Lean to south, vertical crack, dead wood, broken branch's typical of	1				14	14	14	14		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
							species										
583	800	Bigleaf maple	12	12	12	Poor	Self-corrected lean, previous top loss, dead top, failed	1				12	12	12	12		
584	801	Cascara	7/8/9	8	10	Poor	Typical of species, co-dominant leaders with included bark X3, 2 trunks dead, live trunk leans to south	1				10	10	10	10		
585	802	Red alder	13	13	16	Poor	Failed scaffold @ 18', lean to south	1				16	16	16	16		
586	803	Cascara	8	8	10	Poor	Failing to east	1				10	10	10	10		
587	805	Douglas fir	16	16	17	Fair	Multi wounds from 804, low live crown ratio, asymmetric canopy, moss and lichen, dead wood, broken branch's	1				17	17	17	17		
588	806	Cascara	8	8	0	Poor	Failing, pushed over by 8-4	1				0	0	0	0		
589	807	Red alder	12	12	16	Good	Typical of species		1			16	16	16	16		
590	808	Bitter cherry	15	15	18	Fair	Typical of species, lean to east, no self-corrected lean, exposed roots	1				18	18	18	18		
591	809	Bitter cherry	6	6	4	OK	Typical of species, dogleg, lean to north		1			4	4	4	4		
592	810	Cascara	16	16	14	Poor	Sapsucker, decay @ root crown, decay in scaffolds, co-dominant leaders with included bark X3 @ 6', broken branch's, dead tops	1				14	14	14	14		
593	811	Red alder	18	18	19	Poor	Sapsucker, dead wood, broken branch's, large column of decay, carpenter ants, vertical cracks, dead scaffolds	1				19	19	19	19		
594	811A	Bitter cherry	9	9	10	Poor	Co-dominant leaders with included bark @ root crown, failing to west, exposed roots, column of decay to north	1				10	10	10	10		
595	812	Bitter cherry	11/9/6	9	12	OK	Co-dominant leaders with included bark X 3, exposed roots, two trunks intertwined		1			12	12	12	12		
596	814	Red alder	13	13	21	Good	Typical of species, dead wood, exposed roots		1			21	21	21	21		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
597	815	Red alder	9	9	0	Poor	Broken top, mostly dead	1				0	0	0	0		
598	816	Red alder	14	14	20	OK	broken branch's, dead wood, typical of species		1			20	20	20	20		
599	817	Red alder	11	11	0	Poor	Broken top	1				0	0	0	0		
600	818	Red alder	9	9	10	OK	moss and lichen, dead wood, broken branch's		1			10	10	10	10		
601	819	Red alder	12	12	12	OK	Typical of species, dead wood, lean to SW, dead scaffolds, broken branch's		1			12	12	12	12		
602	820	Bitter cherry	8.5	8.5	12	Fair	Lean to north, exposed roots, typical of species	1				12	12	12	12		
603	821	Red alder	14.5	14.5	14	OK	Co-dominant leaders with included bark @ 8', lean to south		1			14	14	14	14		
604	822	Bitter cherry	9	9	12	OK	Typical of species, exposed roots, dogleg, dead wood		1			12	12	12	12		
605	825	Cascara	7.5/6	7	10	Poor	Co-dominant leaders with included bark @ 3', co-dominant leaders with included bark @ 6' with column of decay @ junctions	1				10	10	10	10		
606	827	Bitter cherry	8.5	8.5	10	Fair	Exposed roots to south, failing to south	1				10	10	10	10		
607	828	Bitter cherry	7	7	10	Fair	Typical of species, previous top loss, dead wood	1				10	10	10	10		
608	833	Bitter cherry	8	8	6	OK	Typical of species, dogleg, low live crown ratio		1			6	6	6	6		
609	836	Bitter cherry	10	10	8	Poor	Mostly dead, previous top loss	1				8	8	8	8		
610	837	Bitter cherry	8/8	8	8	Poor	Co-dominant leaders with included bark @ 1', previous top loss, conks, mostly dead	1				8	8	8	8		
611	839	Bitter cherry	9	9	12	Fair	Previous top loss, gummosis, mostly dead	1				12	12	12	12		
612	840	Bitter cherry	10/7	8.5	0	Poor	Co-dominant leaders with included bark @ 1', y" failed, d@ root crown	1				0	0	0	0		
613	841	Bitter cherry	7/8/8/6/4	6.5	16	Poor	Co-dominant leaders with included bark @ root crown, large wounds	1				16	16	16	16		
614	842	Bitter cherry	10	10	8	Poor	Previous top loss with large nest, lean to north	1				8	8	8	8		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
615	843	Bitter cherry	8/7/5/5	6.5	8	Poor	Co-dominant leaders with included bark @ root crown with decay, 3 dead leaders	1				8	8	8	8		
616	844	Bigleaf maple	10	10	13	OK	Typical of species		1			13	13	13	13		
617	845	Bigleaf maple	21	21	25	OK	Typical of species, dead wood , broken branch's		1			25	25	25	25		
618	846	Bigleaf maple	18	18	25	Poor	Large wound @ 20' with decay, failure of co-dominant leaders with included bark	1				25	25	25	25		
619	847	Red alder	10	10	12	Fair	Typical of species, #849 hailed onto it	1				12	12	12	12		
620	848	Red alder	14	14	10	OK	Typical of species, dogleg, moss and lichen, wound @ 6' with decay		1			10	10	10	10		
621	849	Bigleaf maple	16	16	17	Poor	Failing to west	1				17	17	17	17		
622	850	Cascara	7	7	10	Poor	Co-dominant leaders with included bark @ 7', failed, wonky	1				10	10	10	10		
623	852	Cascara	9.5	9.5	14	OK	Sway to south, moss and lichen, typical of species, exposed roots		1			14	14	14	14		
624	854	Bitter cherry	9	9	9	OK	Exposed roots, typical of species, self-corrected lean to west, co-dominant leaders with included bark @ 8', co-dominant leaders with included bark @ 20', multi-twisted trunk		1			9	9	9	9		
625	855	Bigleaf maple	13/5.5	10	12	Poor	Typical of species, co-dominant leaders with included bark @ root crown, twisted trunks, 1 dead	1				12	12	12	12		
626	856	Bigleaf maple	12	12	17	Poor	Failing to east	1				17	17	17	17		
627	857	Bigleaf maple	8	8	17	OK	Lean to east		1			17	17	17	17		
628	858	Bigleaf maple	7	7	16	Good	Typical of species		1			16	16	16	16		
629	860	Bitter cherry	6	6	8	OK	Typical of species, dead wood, low live crown ratio		1			8	8	8	8		
630	861	Bitter cherry	8	8	8	OK	Broken branch's, dead wood, typical of species		1			8	8	8	8		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments									Value	Photos
631	862	Bitter cherry	6	6	8	Poor	Wound @ 5', crack	1				8	8	8	8		
632	863	Bitter cherry	11	11	16	OK	Typical of species		1			16	16	16	16		
633	864	Bitter cherry	7/5/8	6.5	10	Poor	Typical of species, co-dominant leaders with included bark @ root crown X3, dead wood, previous top loss, moss and lichen, wound @ 6', decay @ root crown,	1				10	10	10	10		
634	865	Red alder	16	16	16	Poor	Exposed roots, decay thru out, previous top loss	1				16	16	16	16		
635	866	Red alder	9	9	8	Fair	Typical of species, vertical crack, failing to west, dead wood, broken branch's	1				8	8	8	8		
636	867	Red alder	10	10	16	Fair	Typical of species, vertical crack, in bark, previous top loss, dead wood, decay in trunk 8'	1				16	16	16	16		
637	868	Bigleaf maple	26	26	21	OK	Typical of species, moss and lichen, wound, vertical crack @ 1'		1			21	21	21	21		
638	869	Bitter cherry	7	7	8	OK	Typical of species, moss and lichen,		1			8	8	8	8		
639	870	Cottonwood	6	6	12	Fair	Decay @ root crown, cavity of decay, previous top loss, dead wood	1				12	12	12	12		
640	871	Bigleaf maple	8	8	9	Poor	self-corrected lean ton west, exposed roots, growing on nurse log	1				9	9	9	9		
641	872	Red alder	14	14	12	OK	Cod to north, column of decay on south, exposed roots, moss and lichen		1			12	12	12	12		
642	873	Bitter cherry	9	9	10	Poor	Wound @ 15' w decay, gummosis, previous top loss, lean to south	1				10	10	10	10		
643	874	Cottonwood	6	6	8	OK	typical of species, previous top loss, dead wood		1			8	8	8	8		
644	875	Cascara	6	6	6	Poor	Typical of species, pileated woodpecker @ 20'	1				6	6	6	6		1
645	876	Cottonwood	6	6	3	OK	Typical of species				1	10	10	10	3		
646	877	Cottonwood	6	6	3	OK	Typical of species, asymmetric canopy to south				1	8	8	8	3		
647	880	Cottonwood	9.5	9.5	3	OK	Typical of species, exposed roots, dead wood				1	10	10	10	2		

1	2	3	4	5	6	7	8	9				10				11	12
								Proposed Action				CRZ/TPZ/LOD					
								Remove		Retain		N	W	E	S		
Not viable	Improvements	Impacted	Non Impacted														
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health	Defects/Comments										
648	881	Cottonwood	6	6	3	OK	Typical of species, twisted trunk				1	10	10	10	2		
649	883	Bitter cherry	9	9	3	OK	Exposed roots, typical of species		1			12	12	12	12		
650	884	Bitter cherry	6.5/7	7	14	OK	Co-dominant leaders with included bark @ root crown, typical of species, previous top loss		1			14	14	14	14		
651	885	Red alder	14	14	16	Fair	Exposed roots, column of decay, co-dominant leaders with included bark @ 6', vertical crack north, previous top loss, dead wood, wound @ 4'	1				16	16	16	16		
652	886	Red alder	10	10	16	Good	Typical of species		1			16	16	16	16		
653	888	Red alder	13	13	12	OK	Typical of species, dead wood, broken branch's, 1m		1			12	12	12	12		
654	895	Red alder	9	9	7	OK	Exposed roots, broken branch's, dead wood, lean to west, non-self-corrected lean,				1	12	7	12	7		
655	896	Red alder	9	9	7	OK	Exposed roots, lean to west, non-self-corrected lean				1	12	7	12	7		
656	897	Red alder	9	9	9	OK	Typical of species, decay @ root crown		1			12	12	12	12		
657	912	Red alder	7/6/7/7	7	12	Poor	Co-dominant leaders with included bark X 4, decay in all leaders, root crown to 5', carpenter ants, previous top loss, typical of species	1				12	12	12	12		
658	914	Red alder	11/10	10.5	12	Poor	Co-dominant leaders with included bark with decay @ root crown, previous top loss, bother leaders, cracked @ 8', 1 leader decayed	1				12	12	12	12		
659	915	Red alder	11/8	9.5	10	Poor	Co-dominant leaders with included bark @ root crown, decay, carpenter ants, pileated woodpecker	1				10	10	10	10		
660	916	Red alder	13/12	12.5	12	Poor	Co-dominant leaders with included bark @ root crown, decay, pileated woodpecker, 1/3rd failed, dead top	1				12	12	12	12		
661	917	River birch	20	20	10	Poor	Lean to south, carpenter ants, exposed roots, dead wood, broken branch's, column of decay @ 3', sapsucker, decay at root crown	1				10	10	10	10		

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								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
662	918	Bitter cherry	20/19	20.5	14	Poor	Co-dominant leaders with included bark @ 3', sapsucker, dead wood, previous top loss (both sides", column of decay at 3-4', both sides	1				14	14	14	14		
663	919	Bitter cherry	11	11	12	Fair	Self-corrected lean, previous top loss, dead wood, moss and lichen	1				12	12	12	12		
664	920	River birch	15/6	10.5	14	Fair	Self-corrected lean to north, sapsucker, exposed roots, decay @ 3' typical of species, carpenter ants	1				14	14	14	14		3
665	921	Bitter cherry	8	8	6	Poor	Failing to north, broken branch's, dead wood, decay @ 4'	1				6	6	6	6		
666	922	Bitter cherry	10/7	8.5	10	Poor	Co-dominant leaders with included bark @ root crown, exposed roots, dead wood, broken branch's	1				10	10	10	10		2
667	923	Bitter cherry	9	9	6	Fair	Exposed roots, decay @ root crown, decay @ main scaffold, self-corrected lean to east, low live crown ratio	1				6	6	6	6		3
668	925	Bitter cherry	6/3	7	6	Poor	Exposed roots, lean to east, broken branch's, dead wood, low live crown ratio	1				6	6	6	6		2
669	926	Bitter cherry	8/8	8	8	Poor	Co-dominant leaders with included bark @ 3', moss, lichen (typical of wet soils and low air circulation, exposed roots, crack @1', gummosis	1				8	8	8	8		5
670	928	Bitter cherry	7/8	7.5	8	Fair	Typical of species, co-dominant leaders with included bark @ root crown, exposed roots, dead wood, broken branch's, low live crown ratio	1				8	8	8	8		3
671	929	Bitter cherry	6	6	6	Poor	Self-corrected lean to east, exposed roots, low live crown ratio	1				6	6	6	6		3
672	930	Bitter cherry	7.5	7.5	8	Poor	Typical of species, lean to east, broken branch's, dead top	1				8	8	8	8		2
673	931	Bitter cherry	10/6/10/10	9	16	Poor	Co-dominant leaders with included bark X 4, exposed roots, decay @ root crown, dead top, previous failures	1				16	16	16	16		6
674	934	Red alder	6.5/7	6.75	12	Poor	Failing to west, carpenter ants, typical of species , co-dominant leaders with included bark@ root c crown	1				12	12	12	12		2

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
675	935	Bitter cherry	6.5	6.5	0	Poor	Exposed roots, self-corrected lean, mostly dead	1				0	0	0	0		3
676	936	Bitter cherry	6	6	6	Fair	Exposed roots, self-corrected lean, dead wood, broken branch's, previous top loss	1				6	6	6	6		2
677	937	Bitter cherry	7	7	5	OK	Typical of species, low live crown ratio			1		5	5	5	5		
678	938	Cottonwood	39	39	20	Good	Typical of species, exposed roots		1			20	20	20	20		
679	939	Bigleaf maple	12	12	15	OK	Dead wood, dead scaffold, broken branch's typical of species		1			15	15	15	15		
680	940	Bitter cherry	10/13/17/15	14	17	OK	Co-dominant leaders with included bark X4 @ root crown, wound healed @ 6', typical of species, previous top loss, hanger		1			17	17	17	17		
681	941	Bitter cherry	14/14/8/6/7	10	14	Fair	Co-dominant leaders with included bark X5 @ root crown, 4 failing north, decay, previous top loss	1				14	14	14	14		
682	942	Bitter cherry	7/7	7	14	Fair	Co-dominant leaders with included bark @ 1', exposed roots, decay @ root crown, twisted trunks, wound @ 4', previous top loss, slight leant to SE	1				14	14	14	14		
683	943	Bitter cherry	9	9	12	Poor	Exposed roots, self-corrected lean, wound, sapsucker	1				12	12	12	12		
684	944	Bitter cherry	6	6	12	OK	Self-corrected lean, asymmetric canopy, dead wood, broken branch's		1			12	12	12	12		
685	945	Bitter cherry	6	6	12	OK	Self-corrected lean, exposed roots, wound @ 3' typical of species		1			12	12	12	12		
686	946	Bitter cherry	10	10	18	OK	Sapsucker, vertical, lateral @5', SW, co-dominant leaders with included bark @ 6', moss and lichen, typical of species		1			18	18	18	18		
687	947	Bitter cherry	6	6	12	Poor	Self-corrected lean, dead wood, broken branch's, moss and lichen, sapsucker, typical of species, asymmetric canopy, large wound @ 13'	1				12	12	12	12		
688	948	Cascara	10	10	14	OK	Co-dominant leaders with included bark, typical of species		1			14	14	14	14		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
689	949	Bigleaf maple	32	32	24	OK	Co-dominant leaders with included bark @ 15', self-corrected lean south, decay in scaffolds, large vertical crack from co-dominant leaders with included bark, typical of species		1			24	24	24	24		
690	950	Bitter cherry	5/8	6.5	12	OK	Decay @ root crown, co-dominant leaders with included bark @ 1', typical of species, slight lean to south		1			12	12	12	12		
691	951	Cascara	10	10	14	Fair	Failing to south, typical of species	1				14	14	14	14		
692	952	Pacific Hawthorne	7	7	14	Fair	Non-self-corrected lean, exposed roots, broken branch's, moss and lichen, dead wood, sapsucker, decay on west side, previous top loss, co-dominant leaders with included bark @ 6', typical of species	1				14	14	14	14		
693	954	Red alder	17	17	24	Poor	Exposed roots, vertical crack @ 2', dead wood, broken branch's, previous top loss dead top lean to south, previous failures	1				24	24	24	24		
694	955	Red alder	17	17	24	Poor	Large wound, column of decay @ root crown to 12'	1				24	24	24	24		
695	956	Red alder	8	8	12	Poor	Decay @ root crown	1				12	12	12	12		
696	957	Red alder	14	14	22	Poor	Exposed roots, decay @ exposed roots, column of decay, vertical crack, previous top loss, dead wood, broken branch's, dead top failing to south	1				22	22	22	22		
697	958	Red alder	17	17	20	Poor	Large wound w decay	1				20	20	20	20		
698	959	Bitter cherry	9/10	9.5	12	Poor	9" dead, co-dominant leaders with included bark @ 1', large wound @ 24', dead wood, broken branch's	1				12	12	12	12		
699	960	Bitter cherry	8/3	6	12	Poor	Column of decay from root crown - 6', carpenter ants	1				12	12	12	12		
700	961	Bitter cherry	9	9	10	Poor	Column of decay root crown to 5', previous top loss, hanger	1				10	10	10	10		
701	964	Red alder	9/6/4	6	12	OK	Co-dominant leaders with included bark @ root crown, typical of species, dead wood, broken branch's		1			12	12	12	12		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
702	965	Bitter cherry	6/7	6.5	12	Poor	Decay @ root crown, co-dominant leaders with included bark @ 1', carpenter ants, vertical crack, previous top loss	1				12	12	12	12		
703	966	Bitter cherry	11/12/8/7	10	17	Poor	Exposed roots, co-dominant leaders with included bark x 4, decay @ root crown, sapsucker, dead leaders, previous top loss, broken branch's, dead wood, Root gall, carpenter ants	1				17	17	17	17		
704	967	Black locust	10	10	19	Poor	Decay, previous failure, broken main scaffold	1				19	19	19	19		
705	969	Bitter cherry	17/17	17	18	Poor	Large wound @ root crown 4-5', co-dominant leaders with included bark failed	1				18	18	18	18		
706	970	Bitter cherry	7/9/13	10	14	Poor	Column of decay	1				14	14	14	14		
707	971	Bitter cherry	8	8	3	OK	Typical of species, dead wood, broken branch's, previous top loss				1	3	3	3	3		
708	973	Bitter cherry	6	6	6	OK	Mostly dead				1	6	6	6	6		
709	974	Bitter cherry	9	9	9	OK	Broken branch's, dead wood, previous top loss, typical of species				1	9	9	9	9		
710	975	Bitter cherry	7/9	8	8	OK	co-dominant leaders with included bark @ 1', typical of species, dead wood, broken branch's				1	8	8	8	8		
711	976	Red alder	9/6/5/6	6	6	OK	Non-self-corrected lean, sapsucker, decay @ root crown, 2 failing trunks to west				1	6	6	6	6		
712	978	Bitter cherry	9	9	12	OK	Mostly dead, previous top loss, column of decay @ 8'				1	12	12	12	12		
713	979	Cottonwood	31/29	30	18	OK	Co-dominant leaders with included bark @ 1', exposed roots, carpenter ants, decay @ root crown wound @ 4', previous top loss X2, typical of species, found littered with failed scaffolds				1	18	18	18	18		
714	980	Cottonwood	16	16	12	OK	Exposed roots, typical of species, fused roots, with #979				1	12	12	12	12		
715	981	Cottonwood	7	7	5	OK	Typical of species				1	5	5	5	5		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
716	981A	Cottonwood	10	10	8	OK	Typical of species				1	8	8	8	8		
717	982	Cottonwood	17/15	19	12	OK	Previous top loss, lateral leans to south, large wound w crack @ 15', sap				1	12	12	12	12		
718	983	Cottonwood	23/13	16.5	12	OK	Co-dominant leaders with included bark @ root crown, suppressed canopy, crack, small lateral @ 12', bird holes on large trunk @ 10'				1	12	12	12	12		
719	984	Cottonwood	17/14/23	18	18	OK	co-dominant leaders with included bark X 3, decay @ root crown, standing water, previous failure, previous top loss X2, asymmetric canopy to NE X 3, broken branch's, 1 scaffold wounded @ 12', bird holes				1	18	18	18	18		
720	985	Cottonwood	9	9	10	OK	Decay @ root crown				1	10	10	10	10		
721	986	Bitter cherry	6	6	8	OK	Exposed roots, decay @ root crown, suppressed canopy, asymmetric canopy to east, typical of species, dead wood, broken branch's				1	8	8	8	8		
722	987	Cottonwood	11	11	10	OK	Typical of species, previous top loss, sap from crack @ 20'				1	10	10	10	10		
723	988	Bitter cherry	6	6	6	OK	typical of species				1	6	6	6	6		
724	989	Cottonwood	21	21	12	OK	Exposed roots, typical of species, previous top loss, dead wood				1	12	12	12	12		
725	990	Cottonwood	6	6	7	OK	Typical of species				1	7	7	7	7		
726	991	Cottonwood	11	11	5	OK	Dead top, failure				1	5	5	5	5		
727	992	Cottonwood	15/9/11	12	15	OK	Co-dominant leaders with included bark X 3, pileated woodpecker, carpenter ants				1	15	15	15	15		
728	994	Bitter cherry	7/8	6	6	OK	Exposed roots, typical of species				1	6	6	6	6		
729	995	Cottonwood	22	22	17	OK	Exposed roots, typical of species, previous top loss, asymmetric canopy to SW				1	17	17	17	17		

1 #	2 Tree Tag #	3 Species ID	4 DBH inches	5 Adj. DBH inches	6 Dripline Radius feet	7 Health	8 Defects/Comments	9 Proposed Action				10 CRZ/TPZ/LOD				11 Value	12 Photos
								Remove		Retain		N	W	E	S		
								Not viable	Improvements	Impacted	Non Impacted						
730	996	Cottonwood	9	9	3	OK	Previous top loss, decay pileated woodpecker				1	3	3	3	3		
731	996A	Bitter cherry	9	9	12	OK	Co-dominant leaders with included bark @ 1' failed				1	12	12	12	12		
732	998	Bitter cherry	7	7	12	OK	Exposed roots, asymmetric canopy, broken branch's, dead wood, typical of species				1	12	12	12	12		
733	999	Cottonwood	27	27	23	OK	Typical of species, suppressed canopy, exposed roots, decay @ root crown				1	23	23	23	23		
734	1001	Douglas fir	17	17	10	OK	Broken branch's, dead wood, thin canopy, exposed roots		1			10	10	10	10		
735	1002	Cottonwood	20	20	20	OK	Exposed roots, typical of species, self-corrected lean to south		1			20	20	20	20		
736	1003	Cottonwood	14	14	14	Fair	vertical crack @ 3', typical of species	1				14	14	14	14		
737	1004	Cottonwood	17	17	12	Good	Exposed roots, dead wood, typical of species		1			12	12	12	12		
738	1005	Cottonwood	13	13	12	Fair	co-dominant leaders with included bark @ 4' with decay, typical of species	1				12	12	12	12		
739	1006	Bitter cherry	8/4	6	7	Poor	co-dominant leaders with included bark@2' with decay, previous top loss, dead wood	1				7	7	7	7		

RZC 21.72.060 C.3

* Trees impacted by utilities

**Reduced dripline in direction of utilities

Proposed Action and Brief Definition				
Tree Type	Removal	Impacted by Utilities*	Retained	Total
Landmark (>30" DBH)	Number of removed landmark trees	Number of impacted landmark trees	Number of retained landmark	Total Landmark Trees
	10	0	0	10
	% of Removed Landmark Trees of All Trees	% of impacted Landmark Trees of all Trees	% of Retained Landmark Trees of All Trees	% Landmark Trees of All Trees
	100%	0%	0%	3%
Significant (6" - 30")	Number of removed significant trees	Number Impacted of all Significant trees	Number of Retained Significant Trees	Total Significant Trees
	237	23	112	372
	% Significant removed of all significant trees	% impacted of all significant	% retained of all significant	% significant trees of all trees
	237/372= 64%	23/372= 6%	112/372= 31%	97%
Totals	Number of Landmark + Significant removed trees	Number of Landmark + significant impacted	Number of Landmark + significant retained	Total Number of ALL Trees
	10+237= 247	23	112	382
	% removed of all trees	% impacted of all Trees	% Retained of all Trees	
	65%	6%	112/382= 30%	100%

Totals	% removed of all trees	Impacted by utilities & retained + Non-impacted retained trees	Total
	65%	6% + 30%= 36%	65% + 36% = 101% (rounding results in #>100%)

*Impacted by utilities counts as retained trees

35% Tree Retention	
RMC required 35% of significant trees be retained $382 \times 35\% = 135$ trees	
Proposed improvements retain 135 Trees	

Sample photos from site of trees rated "poor":



Falling



145 Cherry gumosis, wounds, decay



Cascara Cavity of decay



Decay, falling



Pac willow: Cavity of decay



#158: multiple failures, cavities of decay, cracks, splits



Sloughing bark, carpenter ants



Decay



Decay, lost one leader



Soil failure, falling



Decay



Crack with lean



Decay



Crack w decay



Crack w decay



Decay with conks



Sloughing bark, horizontal crack with lean



No taper, sloughing bark, probable laminated root rot, falling



Healed wounds with decay



Decay, carpenter ants, pileated woodpecker



Top broken out, decay, carpenter ants, pileated woodpecker



Decay



Decay



Decay



Decay



Decay



Sloughing bark, crack and lean



Decay



Decay



Wound with decay and carpenter ants



Dead top, crack and lean



Wound with decay

Potentially Impacted Offsite Trees:

1	2	3	4	5	6	7
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health
4	890	Bitter cherry	10/4	7	10	Poor
5	891	Red alder	9	9	10	OK
6	892	Bitter cherry	8/6/4	6.5	8	Poor
7	893	Bitter cherry	8	8	8	OK
8	894	Bitter cherry	5.5	5.5	8	Not-sig
9	898	Bitter cherry	8	8	12	OK
10	899	Red alder	11/7	9	16	Poor
11	900	Bitter cherry	6	6	10	Fair
12	901	Bitter cherry	6	6	8	OK
13	902	Bitter cherry	8	8	8	OK
14	903	Bitter cherry	8	8	12	Fair
15	904	Bitter cherry	6	6	10	OK
16	905	Bitter cherry	8	8	12	OK
17	906	Bitter cherry	8	8	15	OK
18	907	Bitter cherry	10	10	14	Fair
19	908	Bitter cherry	10	10	15	OK
20	909	Red alder	6	6	15	OK
21	910	Bitter cherry	14	14	0	dead
22	911	Red alder	8	8	0	dead
23	50397	Douglas fir	25	25	12	Poor
24	50399	Cottonwood	30	30	22	OK
25	43/50400	Douglas fir	20	20	16	Poor
26	42	Cottonwood	32	32	20	Poor
27	44	Douglas fir	22	22	20	Poor
28	891	Red alder	9	9	10	OK
29	889	Bitter cherry	7	7	12	Poor
30	890	Bitter cherry	7	7	10	Poor
31	892	Bitter cherry	6.5	6.5	8	Poor
32	893	Bitter cherry	8	8	8	OK
33	898	Bitter cherry	8	8	12	OK
34	899	Red alder	9	9	16	Poor
35	900	Bitter cherry	6	6	10	Fair
36	901	Bitter cherry	6	6	8	OK
37	902	Bitter cherry	8	8	8	OK
38	903	Bitter cherry	8	8	12	Fair
39	904	Bitter cherry	6	6	10	OK
40	905	Bitter cherry	8	8	12	OK
41	906	Bitter cherry	8	8	15	OK
42	907	Bitter cherry	10	10	14	Fair

1	2	3	4	5	6	7
#	Tree Tag #	Species ID	DBH inches	Adj. DBH inches	Dripline Radius feet	Health
43	908	Bitter cherry	10	10	15	OK
44	909	Red alder	6	6	15	OK
45	50397	Douglas fir	25	25	12	Poor
46	50399	Cottonwood	30	30	22	OK
47	41/50398	Douglas fir	22	22	14	Poor
48	43/50400	Douglas fir	20	20	16	Poor
49	42	Cottonwood	32	32	20	Poor
50	44	Douglas fir	22	22	20	Poor
51	312	Bigleaf maple	18	18	24	OK

Discussion:

The information gathered and reported above is provided to satisfy the city of Redmond's requirements for a tree preservation plan (RMC 20D.80.20) of the Redmond Community Development Guide. The trees were surveyed and tagged by Goldsmith prior to my evaluation. Each tree was measured at approximately four and a half feet above grade. Each trunk of trees whose normal growth habit is characterized by multiple trunks as well as those trees whose structure arose out of co-dominant leaders were also measured at 4.5' above grade and the average of the leaders were taken to be the adjusted DBH sited on the matrix.

Trees whose adjusted DBH were less than 6" (the diameter necessary to be considered significant) were recorded but not counted toward the total number of significant trees. Likewise, dead trees were eliminated from the overall tree count. Any trees that were dying, but still had living tissue were assessed as being in "poor" condition.

The dripline of each tree was measured using a laser recording device. One measurement was taken on each tree with a "normal" balanced canopy that was approximately equal in radius in all directions. Trees with asymmetric canopies are generally located on the outside edges of groves. The radius of their canopies can vary a great deal. When describing the radius of those canopies, measurements were taken of the canopy in the four directions (NESW) are recorded.

Driplines were also revised to more adequately reflect the location of buttress roots located on the opposite side of an asymmetric canopy – so where there may not be a dripline present, one was prescribed.

Landmark trees per Redmond municipal code (20A.20.120) are identified in this report by a bolder typeface and described under the "value" column as **LM**.

As much as possible retained trees were left in groves and retained in areas where they would not experience changes in wind impact.

Currently, the proposed site development includes 50 lots accessed by six roads. There is a "protected native growth area" of mixed species trees located on the west side of the property adjacent to an "Open space". There is a storm detention tract located on the southeast corner of the site.

Mitigation:

Per the RCDG, all healthy significant trees removed are to be replaced at a 1:1 ratio. Landmark trees (DBH >30") are to be replaced at a 3:1 ratio.

Replacement Trees			
Replacement Quota	Number of removed trees	Number of replacement trees	Total number of replacement trees
Removed Landmark (3:1)	10	30	30
Removed Significant (1:1)	237	237	237
Total # of Replacement trees			267

RCDG code specifies that the replacement trees meet or exceed the American Nursery and Landscape Standard and that the minimum sizes for replacement be:

- 2.5" caliper at breast height for a deciduous tree
- 6-8' tall for an evergreen replacement

Tree Protection Fencing:

First, protect the roots that lie in the path of construction. Approximately 90-95% of a tree's root systems lie in the top three feet of soil and more than 1/2 of them are in the top 1'. Construction activities should be avoided in this area. Protect as much of the area beyond the tree's dripline as possible. Some healthy trees survive after losing 1/2 of their roots. However, other species are extremely sensitive to root damage even outside the dripline.

Do not disturb the critical root zone (CRZ). The CRZ is defined by its critical root radius. It is more accurate than the dripline for determining the CRZ of trees growing in forests or that have narrow growth habits. To calculate the critical root radius, measure the tree's diameter (DBH) 4.5' above the ground. For each inch, allow for 1- 1.5' of critical root radius. If a tree's DBH is 10", its critical root radius is 10-15'.

In addition to the CRZ, it is important to determine the limits of disturbance (LOD) for preserved trees. Generally this approximates the CRZ; however, in previously excavated areas around the dripline the LOD may be smaller or in the case of a tree situated on a slope the LOD may be larger. The determination of the LOD is also subject to the particular tree species. Some tree species do better than others after root disturbance.

Tree protection is advised throughout the duration of any construction activities whenever the critical root zone or leaf canopy may be encroached upon by such activities.

The CRZ or LOD should be protected with fencing adequate to hinder access to people, vehicles and equipment. Fencing detail should be provided. It should consist of continuous 4' high temporary chain-link fencing with post sections @ 10' on center, polyethylene laminar safety fencing or similar materials. The fencing must contain fencing signage detailing that the tree protection area cannot be trespassed on.

Soil compaction is one of the most common killers of urban trees. Stockpiled materials, heavy machinery and excessive foot traffic damage soil structure by reducing pore space. The affected tree roots suffocate. When construction takes place close to the protected CRZ, cover the site with 4" of bark to reduce soil compaction.

Tree protection fencing must be erected prior to soil excavation, boring, grading or fill operations. It is erected at the LOD. If it is necessary to run utilities within the LOD, the utilities should be combined into one cut as practical. Trenching should not be done in the LOD. In the event that roots greater than 1" diameter near the LOD are damaged or torn, it is necessary to hand trim them to a clean cut. Any roots that are exposed during construction should be covered with soil as soon as possible.

During drought conditions, trees must be adequately watered. Site should be visited regularly by a qualified ISA Certified Arborist to ensure the health of the trees. Tree protection fencing is the last item to be removed from the site after construction is completed.

After construction has been completed, please contact an ISA Certified arborist to evaluate the remaining trees looking for signs and symptoms of damage or stress. It may take several years for severe problems to appear. In the event that fencing around portions of the CRZ of a tree to be retained are not practical to erect due to construction or obstacles, tree protection fencing should be placed 3' laterally from the obstruction (ex. 3' back of a curb, building, or other existing or planned permanent infrastructure.)

Monitoring:

The tree protection fencing should be assessed prior to development by an ISA Certified Arborist to ensure that it complies with the parameters described in this report prior to individual lot development. The overall health of the retained trees should be assessed annually and the maintenance adjusted accordingly. Adjustments include but are not limited to additional watering during periods of drought, removal of visible dead wood and fertilization.

Assumptions and Limiting Conditions

1. Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as thou free and clear, under responsible ownership and competent management.
2. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes or other governmental regulations.
3. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant/appraiser can neither guarantee nor be responsible for the accuracy of information provided by others.
4. The consultant/appraiser shall not be required to give testimony or to attend court by reason of the report unless subsequent contractual arrangements are made including payment of an additional fee for such services as described in the fee schedule and contract of engagement.
5. Loss or alteration of any part of this report invalidates the entire report.
6. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant/appraiser.
7. Neither all nor any part of the contents of the report, nor copy thereof, shall be conveyed by anyone, including the client to the public through advertising, public relations, news, sales or other media, without the prior expressed written or verbal consent of the consultant/appraiser – particularly as to value conclusions, identity of the consultant/appraiser, or any reference to any professional society or instate or to any initialed designation conferred upon the consultant/appraiser as stated in her qualification.
8. The report and any values expressed herein represent the opinion of the consultant/appraiser, and the consultant's/appraiser's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of subsequent event, nor upon any finding to be reported.
9. Sketches, diagrams, graphs and photographs in this report, being intended as visual aid, are not necessarily to scale and should not be construed as engineering or architectural reports or survey.
10. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2: the inspection is limited to visual examination of accessible items without dissection, excavation, probing or coring. There is not warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.