

**Tree Inventory
For Single Residential Development**

119 Ashley St.
Bellingham, WA 98225

Prepared for
Slusher Homes
512 40th St.
Bellingham, WA 98229



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TRAQ



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Background Information

Slusher Homes is proposing a single-family residence on 0.18 acres at 119 Ashley St. in Bellingham, WA. This report serves to inventory the existing site trees = > 6" dbh (diameter at breast height).

Existing Conditions

There are 49 trees 6" dbh and larger inventoried on the subject area of 0.18 acres. **The site is completely forested.** Trees are all native species from young ages to ~ 80 years old. The trees include 6 Douglas fir (*Pseudotsuga menziesii*), 11 western red cedar (*Thuja plicata*), 21 bigleaf maple (*Acer macrophyllum*), 4 paper birch (*Betula papyrifera*), 2 red alder (*Alnus rubra*), and 5 cherry (*Prunus sp.*) Some portions of the stand are overstocked/crowded with suppression and some mortality taking place. Topography is moderately to steeply sloping with east facing aspect and elevation decreasing going west to east with Lincoln Creek at the base of the site. All the trees are numbered on site with pink ribbons and Sharpie and shown on the attached site plan. Table 1 below details the inventory.

Table 1 below provides an inventory of existing site trees 6"+ dbh.

Tree	Species	Dbh	Condition/Comments
1	Paper birch	8"	Poor condition. Hard lean E over Lincoln Cr. Vertical seam w/decay SW face.
2	Bigleaf maple	8"	Fair condition. Somewhat suppressed but good form. 1' downslope of T3.
3	Bigleaf maple	8"	Fair condition. Somewhat suppressed but good form.
4	Bigleaf maple	11"	Good condition. Good crown, pistol butt NE, mild sweep, oval trunk.
5	W. red cedar	9"	Poor condition. Multi hard trunk bends at base, supp, crown hvy to S.
6	Bigleaf maple	15"	Good condition. Little supp, crown okay unbal hvy to E.
7	W. red cedar	24"	Fair condition. Broken out top at 40', crown okay below.
8	Bigleaf maple	18"	Dead. 25' snag w/high decay.
9	Douglas fir	42"	Good condition. Good crown.
10	W. red cedar	22"	Good condition. Good crown/form
11	Red alder	10"	Poor condition. Suppressed, hard trunk kink at 12'.
12	Bigleaf maple	21"	Fair condition. Crown vigorous but cavity w/decay W face trunk at 70'.
13	Bigleaf maple	9"	Fair condition. Crown fair but trunk has hard arch NE.
14	Bigleaf maple	19"	Good condition. Good crown/form, few dead secondary limbs.
15	Bigleaf maple	9"	Fair condition. Fair crown, good form, but cavity w/decay W face at 8'.
16	Bigleaf maple	19"	Fair condition. Good crown/form but minor decay N base.
17	Douglas fir	9"	Good condition. Vigorous crown but hvy to S, fast taper.
18	Bigleaf maple	3,5,5,9"	Poor condition. Vigorous crown but basal decay, poor branch arch., 4 trunks.
19	Douglas fir	12"	Good condition. Good crown/form but fast taper.
20	Bigleaf maple	18"	Poor condition. <i>K. deusta</i> basal decay w/cavity, crown still vigorous.
21	W. red cedar	28"	Poor condition. Nearly dead, top 30' dead.
22	Bigleaf maple	20"	Good condition. Good crown/form.
23	W. red cedar	6"	Dead. 15' snag.
24	Bigleaf maple	11"	Poor condition. Vertical scar W base up to 7', weak/spindly crown.
25	Bigleaf maple	13"	Fair condition. Weak/spindly top hvy to W.
26	Douglas fir	10"	Good condition. Good vigor but crown hvy to S, fast taper.
27	Douglas fir	14"	Fair condition. Trunk kink 30' up, some suppressed. In city r.o.w.?
28	Bigleaf maple	12"	Fair condition. Good vigor but poor branch architecture, some suppressed.
29	Bigleaf maple	9"	Poor condition. Top broken out at 15' w/decay but still live.
30	W. red cedar	20"	Poor condition. Near dead, few live branches lower crown.
31	Bigleaf maple	15,18,21"	Poor condition. 18" 70' snag, 15" hard lean N, weak crown, 21" fair crown.

Tree	Species	Dbh	Condition/Comments
32	W. red cedar	18"	Dead. 70' snag.
33	W. red cedar	25"x17"	Poor condition. Double leaders both topped 25', crown vigorous below. City r.o.w.?
34	W. red cedar	7"	Poor condition. Top 6' dead, only 25' tall. In city r.o.w.?
35	Douglas fir	21"	Good condition. Good crown, sinuous trunk.
36	W. red cedar	11"	Dead. 35' snag.
37	W. red cedar	26"	Dead. 65' snag.
38	Bigleaf maple	15",40"	Poor condition. 15" is 80' snag, 40" divides 2 at 7', <i>K. deusta</i> , W trunk 90' snag.
39	Bigleaf maple	14"	Fair condition. Good crown/form but cavity S base.
40	Cherry	6",6"	Fair condition. Dbl trunks, vigorous crowns but arching hard to N, NE.
41	Cherry	11"	Good condition. Vigorous crown but little suppressed, mod. lean NE.
42	Cherry	20"	Good condition. Dbl trunk at 4', good vigor, mild gummosis W base, near/over N line.
43	Bigleaf maple	11"	Good condition. Little suppressed but good crown/form, near/over N prop. line?
44	Cherry	11"	Good condition. Good crown/form. In city r.o.w.?
45	Cherry	6"	Good condition. Good crown/form. In city r.o.w.?
46	Paper birch	21"	Dead. 65' snag. Hard lean NE. High decay. E of creek.
47	Paper birch	13"	Dead. 30' snag. High decay. E. of creek.
48	Paper birch	10"	Dead. 8' snag. High decay. E of creek.
49	Red alder	22"	Poor condition. Main trunk slabbed off at 15', two 5" trunklets remain green.

49 total trees 6"+ dbh

Other Observations

While this document is not intended to constitute a Tree Risk Assessment under ISA TRAQ (Tree Risk Assessment Qualification) protocol, there are some dead standing and/or poor condition trees that will likely constitute a High Risk under the proposed development conditions. Removal of the dead and/or poor condition trees as part of the site development process would be prudent to reduce potential hazard and urban wildfire risk.

Additionally, there are some site trees that can have crown-cleaning and/or crown-raising done to reduce hazard risk, tree crowding, and improve urban forest health. Crown-cleaning would include removal of dead/damaged/decayed crown portions. Crown-raising would include pruning of lower to mid-crown branches to reduce crowding/rubbing/abrading portions while removing no more than ~ 1/3rd live crown. Crown-cleaning and crown-raising should be done by qualified professionals using ISA Best Management Practices.

Disclaimer

This Tree Inventory and Protection Plan has been prepared exercising a reasonable standard of care using accepted professional standards. These recommendations are in no way a guarantee of tree health and survival in the future due to potential unforeseen circumstances and acts of God/force majeure. However, they do represent responsible steps in promoting the continued viability of the trees. Be advised that this document does not constitute a Tree Risk Assessment. No representations are made or implied whatsoever regarding the relative safety or stability of any site tree on the subject property or adjacent properties. High or Extreme risk trees may exist on or near this site. A separate Tree Risk Assessment per the ISA Tree Risk Assessment Qualification (TRAQ) protocol can be done upon request to assess relative risk of existing site trees.

Respectfully,
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