

Tree Report Document Summary - Note Ryan Ringe has contacted John Kenney and was given an extension to submit his final report later because of a Hospitalization of his child

Tree Info: Greif, 5236 W Mercer Way Mercer Island

Note: I have reviewed the final plans, and will be recommending the following information in my final report

There are 100 total trees in this inventory (59 *non-wetlands* subject property significant trees, 22 *wetlands buffer* subject property trees, 9 *wetlands* subject property trees, 7 adjacent property encroaching trees, and 3 ROW trees.)

A significant tree in Mercer Island is 6 in. DBH or greater for deciduous trees, and 6 ft. tall or greater for conifer trees.

General Notes

For all tree removals that are not in the development/ disturbance zone, ***I would recommend snagging them into wildlife trees instead of complete removal.*** This will lessen the amount of wood removal, help with hillside erosion control, and provide wildlife habitat (and make the City happy).

Trees #1444 and 1440 require their labels to be switched (1440 should be 1444 and vice versa).

Tree # 1158 (20" Bigleaf Maple) is located in the 35 ft. Buffer zone, and is a hazard tree. It should be removed before construction begins (or after construction entrance roads are made; with all of the large tree removals, a roadway will need to be established before removal).

Tree #1400 (10.5" Western Hemlock, Non-Wetlands tree) is in poor health and should be removed. It is also located within the proposed building footprint.

Tree #1429 (16" Western Hemlock, Non-Wetlands tree) has decay in the upper stem, and is questionable. It should be removed unless specifically desired for retention, in which case it would require aerial inspection/ coring.

Tree #1354 (47.3" Bigleaf Maple, Non-Wetlands tree) is a hazard tree and should be removed.

Tree #1353 (34.7" Bigleaf Maple, Non-Wetlands tree) is a hazard tree and should be removed.

Tree #1439 (41.1" Bigleaf Maple, Non-Wetlands tree) has a large dead stem that should be removed or shortened.

Tree #1084 (29.5" Bigleaf Maple in the R.O.W.) is a hazard tree, and should be removed/ snagged into wildlife tree; if the City desires to retain it they should be aware of it and monitor frequently).

Trees Impacted by disturbance/ excavation to be Retained

Trees #1425, 1161, 1160, 1244, 1337, 1346, 04, A, B, C, D, and 1413 have disturbances within their driplines with additional protection notes; see below for notes and TPZ (Tree Protection Zone) radius.

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Subject Property Significant Trees								
Tree #	Species	Latin Name	DBH (in.)	Ht. (ft.)	Condition	Drip line Radius (ft.)	TPZ Radius (ft.)	Retain Yes/ No
(Non-Wetlands)								
1080	Bigleaf Maple	<i>Acer macrophyllum</i>	11.9	50	Good	18	N/A	No (Exc Fp)
1157	Bigleaf Maple	<i>Acer macrophyllum</i>	19.1	50	Fair	22	N/A	No (Exc Fp)
1245	Bigleaf Maple	<i>Acer macrophyllum</i>	47.3	90	Good/ Fair	32	N/A	No (Exc Fp)
1363	Bigleaf Maple	<i>Acer macrophyllum</i>	23.1	80	Good/ Fair	34	N/A	No (Exc Fp)
1365	Western Red Cedar	<i>Thuja plicata</i>	6.6	20	Good/ Fair	8	N/A	No (Exc Fp)
1364	Western Red Cedar	<i>Thuja plicata</i>	10.1	40	Good	17	N/A	No (Exc Fp)
1361	Douglas Fir	<i>Pseudotsuga menziesii</i>	20.7	70	Good/ Fair	23	N/A	No (Exc Fp)
1360	Bigleaf Maple	<i>Acer macrophyllum</i>	43.4	90	Good/ Fair	34	N/A	No (Exc Fp)
1359	Bigleaf Maple	<i>Acer macrophyllum</i>	12.8	70	Fair	17	N/A	No (Exc Fp)
1362	Bigleaf Maple	<i>Acer macrophyllum</i>	12.1	60	Good/ Fair	25	N/A	No (Exc Fp)
1400	Western Hemlock	<i>Tsuga heterophylla</i>	10.5	40	Poor	13	N/A	No (Condition)
1399	Western Hemlock	<i>Tsuga heterophylla</i>	10.0	40	Good/ Fair	13	N/A	No (Exc Fp)
1401	Bigleaf Maple	<i>Acer macrophyllum</i>	10.8	50	Good/ Fair	19	N/A	No (Exc Fp)
1402	Bigleaf Maple	<i>Acer macrophyllum</i>	37.4	75	Fair	30	N/A	No (Exc Fp)
1403	Bigleaf Maple	<i>Acer macrophyllum</i>	39.4	85	Good/ Fair	29	N/A	No (Exc Fp)
1404	Western Hemlock	<i>Tsuga heterophylla</i>	8.0	40	Good/ Fair	15	N/A	No (Exc Fp)
1405	Bigleaf Maple	<i>Acer macrophyllum</i>	23.3	80	Good/ Fair	30	N/A	No (Exc Fp)
1406	Bigleaf Maple	<i>Acer macrophyllum</i>	38.6	90	Good/ Fair	33	N/A	No (Impact)
1415	Bigleaf Maple	<i>Acer macrophyllum</i>	11.6	20	Fair/ Poor	12	N/A	No (Impact)

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1414	Bigleaf Maple	<i>Acer macrophyllum</i>	28.9	90	Fair	30	N/A	No (Impact)
05	Bigleaf Maple	<i>Acer macrophyllum</i>	7.6	30	Good/ Fair	17	N/A	No (Exc Fp)
1429	Western Hemlock	<i>Tsuga heterophylla</i>	16.0	55	Fair/ Poor	16	N/A	No (Hazard)
1354	Bigleaf Maple	<i>Acer macrophyllum</i>	47.3	50	Poor	35	N/A	No (Hazard)
1353	Bigleaf Maple	<i>Acer macrophyllum</i>	34.7	75	Fair/ Poor	10/20	N/A	No (Hazard)
1426	Bigleaf Maple	<i>Acer macrophyllum</i>	48.9	90	Fair	32	N/A	No (Impact)
1425	Western Hemlock	<i>Tsuga heterophylla</i>	14.6	60	Fair	20	15	Yes
Note: Tree 1425 requires a 15 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 20 ft.								
1435	Bigleaf Maple	<i>Acer macrophyllum</i>	26.2	90	Good/ Fair	28	28	Yes
1437	Bigleaf Maple	<i>Acer macrophyllum</i>	34.7	90	Good	29	29	Yes
1438	Bigleaf Maple	<i>Acer macrophyllum</i>	28.5	90	Good/ Fair	31	31	Yes
1436	Bigleaf Maple	<i>Acer macrophyllum</i>	10.2	30	Good/ Fair	22	22	Yes
1439	Bigleaf Maple	<i>Acer macrophyllum</i>	41.1	90	Good/ Fair	32	32	Yes
1440	Bigleaf Maple	<i>Acer macrophyllum</i>	41.5	90	Good/ Fair	32	32	Yes
1444	Western Red Cedar	<i>Thuja plicata</i>	19.1	50	Good	18	18	Yes
06	Leyland Cypress	<i>Cupressus × leylandii</i>	4	15	Good/ Fair	7	N/A	No (Impact)
07	Leyland Cypress	<i>Cupressus × leylandii</i>	4	20	Good/ Fair	6	N/A	No (Impact)
08	Leyland Cypress	<i>Cupressus × leylandii</i>	4	20	Good/ Fair	7	N/A	No (Impact)
09	Leyland Cypress	<i>Cupressus × leylandii</i>	4.5	20	Good/ Fair	7	6	Yes
10	Leyland Cypress	<i>Cupressus × leylandii</i>	5	20	Good/ Fair	7	6	Yes

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11	Leyland Cypress	<i>Cupressus × leylandii</i>	3.5	15	Good/ Fair	4	6	Yes
12	Leyland Cypress	<i>Cupressus × leylandii</i>	4	15	Good/ Fair	5	6	Yes
13	Leyland Cypress	<i>Cupressus × leylandii</i>	4.5	15	Good/ Fair	5	6	Yes
14	Leyland Cypress	<i>Cupressus × leylandii</i>	4	20	Good/ Fair	6	6	Yes
15	Leyland Cypress	<i>Cupressus × leylandii</i>	5.5	20	Good/ Fair	8	6	Yes
16	Leyland Cypress	<i>Cupressus × leylandii</i>	5	20	Good/ Fair	9	6	Yes
17	Leyland Cypress	<i>Cupressus × leylandii</i>	5	15	Good/ Fair	8	6	Yes
18	Leyland Cypress	<i>Cupressus × leylandii</i>	5	20	Good/ Fair	6	6	Yes
19	Leyland Cypress	<i>Cupressus × leylandii</i>	3.5	15	Good/ Fair	6	6	Yes
20	Leyland Cypress	<i>Cupressus × leylandii</i>	5	20	Good/ Fair	7	6	Yes
21	Leyland Cypress	<i>Cupressus × leylandii</i>	4.5	20	Good/ Fair	7	6	Yes
22	Leyland Cypress	<i>Cupressus × leylandii</i>	5	20	Good/ Fair	8	6	Yes
23	Leyland Cypress	<i>Cupressus × leylandii</i>	5	20	Good/ Fair	7	6	Yes
24	Leyland Cypress	<i>Cupressus × leylandii</i>	4.5	20	Good/ Fair	7	6	Yes
25	Leyland Cypress	<i>Cupressus × leylandii</i>	4	15	Good/ Fair	6	6	Yes
26	Leyland Cypress	<i>Cupressus × leylandii</i>	3.5	15	Good/ Fair	6	6	Yes
27	Leyland Cypress	<i>Cupressus × leylandii</i>	4.5	15	Good/ Fair	8	6	Yes
28	Western Red Cedar	<i>Thuja plicata</i>	5.2	25	Good/ Fair	12	N/A	No (Exc Fp)
29	Western Red Cedar	<i>Thuja plicata</i>	2.8	20	Good/ Fair	7	N/A	No (Exc Fp)
30	Western Red Cedar	<i>Thuja plicata</i>	1.9	15	Good/ Fair	7	N/A	No (Exc Fp)
31	Western Red Cedar	<i>Thuja plicata</i>	2.1	12	Good/ Fair	6	N/A	No (Exc Fp)

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(35' Wetlands Buffer)								
Tree #	Species	Latin Name	DBH (in.)	Ht. (ft.)	Condition	Drip line Radius (ft.)	TPZ Radius (ft.)	Retain Yes/ No
1081	Bigleaf Maple	<i>Acer macrophyllum</i>	21.7	60	Fair/ Poor	18	N/A	No (Impact)
1161	Bigleaf Maple	<i>Acer macrophyllum</i>	33.2	85	Good	30	20	Yes
Note: Tree 1161 requires a 20 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 30 ft.								
1160	Bigleaf Maple	<i>Acer macrophyllum</i>	13.7	60	Good	26	14	Yes
Note: Tree 1160 requires a 14 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 26 ft.								
1163	Bigleaf Maple	<i>Acer macrophyllum</i>	6.4	25	Fair/ Poor	14	7	Yes
Note: Tree 1163 requires a 7 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 14 ft.								
1164	Bigleaf Maple	<i>Acer macrophyllum</i>	20.9	70	Good/ Fair	26	17	Yes
1158	Red Alder	<i>Alnus rubra</i>	20.0	25	Very Poor	21	N/A	No (hazard)
01	Bigleaf Maple	<i>Acer macrophyllum</i>	6.2	40	Good	18	N/A	No (Impact)
1156	Bigleaf Maple	<i>Acer macrophyllum</i>	23.1	70	Fair	22	N/A	No (Exc Fp)
1155	Bigleaf Maple	<i>Acer macrophyllum</i>	7.6	40	Fair	21	N/A	No (Exc Fp)
1246	Bigleaf Maple	<i>Acer macrophyllum</i>	9.0	50	Good/ Fair	20	N/A	No (Exc Fp)
1244	Red Alder	<i>Alnus rubra</i>	19.7	70	Good	16	15	Yes
Note: Tree 1244 requires a 15 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 16 ft.								
1337	Red Alder	<i>Alnus rubra</i>	23.0	75	Good/ Fair	26	17	Yes
Note: Tree 1337 requires a 17 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 26 ft.								
1367	Bigleaf Maple	<i>Acer macrophyllum</i>	10.1	55	Fair	21	N/A	No (Impact)

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1358	Bigleaf Maple	<i>Acer macrophyllum</i>	36.8	100	Good/ Fair	36	N/A	No (Impact)
1357	Bigleaf Maple	<i>Acer macrophyllum</i>	18.4	70	Good/ Fair	30	N/A	No (Impact)
1345	Bigleaf Maple	<i>Acer macrophyllum</i>	44.3	100	Good/ Fair	39	N/A	No (Impact)
1346	Western Hemlock	<i>Tsuga heterophylla</i>	18.1	60	Good/ Fair	18	14	Yes
Note: Tree 1346 requires a 14 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 18 ft.								
02	Bigleaf Maple	<i>Acer macrophyllum</i>	7.1	20	Fair	14	14	Yes
1356	Pacific Dogwood	<i>Cornus nuttallii</i>	10.6	40	Fair	19	N/A	No (Impact)
1351	Bigleaf Maple	<i>Acer macrophyllum</i>	9.3	40	Good/ Fair	22	N/A	No (Impact)
03	Bigleaf Maple	<i>Acer macrophyllum</i>	6.7	35	Good	16	16	Yes
1447	Bigleaf Maple	<i>Acer macrophyllum</i>	10.0	40	Good	17	17	Yes
(Wetlands)								
1241	Red Alder	<i>Alnus rubra</i>	20.5	60	Fair/ Poor	17	17	Yes
04	Bigleaf Maple	<i>Acer macrophyllum</i>	18.1	65	Good/ Fair	26	14	Yes
Note: Tree 04 requires a 14 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 26 ft.								
1242	Red Alder	<i>Alnus rubra</i>	13.8	65	Fair/ Poor	11	11	Yes
1243	Western Hemlock	<i>Tsuga heterophylla</i>	15.7	70	Fair	11	11	Yes
1338	Red Alder	<i>Alnus rubra</i>	20.2	70	Good/ Fair	26	26	Yes
1339	Bigleaf Maple	<i>Acer macrophyllum</i>	12.0	65	Good/ Fair	22	22	Yes
1340	Red Alder	<i>Alnus rubra</i>	21.4	70	Fair	24	24	Yes
1341	Bigleaf Maple	<i>Acer macrophyllum</i>	13.0	60	Good/ Fair	22	22	Yes

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1344	Red Alder	<i>Alnus rubra</i>	17.2	65	Good/ Fair	28	28	Yes
Encroaching Adjacent Property Significant Trees								
A	Western Red Cedar	<i>Thuja plicata</i>	26	70	Good	20	20	Yes
Note: Tree A requires a 20 ft. TPZ with no disturbance; Arborist Supervision during excavation is recommended for root care/ pruning.								
B	Western Hemlock	<i>Tsuga heterophylla</i>	22	80	Good/ Fair	26	22	Yes
Note: Tree B requires a 22 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 26 ft.								
C	Bigleaf Maple	<i>Acer macrophyllum</i>	16	50	Fair	24	12	Yes
Note: Tree C requires a 12 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 24 ft.								
D	Bigleaf Maple	<i>Acer macrophyllum</i>	17	70	Good/ Fair	24	13	Yes
Note: Tree D requires a 13 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 24 ft.								
E	Bigleaf Maple	<i>Acer macrophyllum</i>	40	-----	-----	-----	30	Yes
1413	Bigleaf Maple	<i>Acer macrophyllum</i>	42	100	Good	34	21	Yes
Note: Tree 1413 requires a 21 ft. TPZ with no disturbance; grading should be limited to 6 in. within dripline radius of 34 ft.								
1159	Red Alder	<i>Alnus rubra</i>	20	-----	-----	-----	20	Yes
R.O.W. Significant Trees								
1079	Bigleaf Maple	<i>Acer macrophyllum</i>	20.1	60	Good/ Fair	36	N/A	No (Impact)
1082	Black Cottonwood	<i>Populus trichocarpa</i>	41.9	110	Good	29	N/A	No (Impact)
1084	Bigleaf Maple	<i>Acer macrophyllum</i>	29.5	70	Poor	25	N/A	No (hazard)