

# Tumwater, Olympia & Lacey Recommended Tree Lists:

Updated: **2025.02.03** by Jim Sedore

C:\Tumwater\Tree Board\Recommended tree lists\Tumwater Olympia Lacey recommended tree list table 2025.01.30.doc

| Botanical name<br>Common name(s)                                | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Acer buergeranum<br>Trident Maple                               |          | X         | X     |  |               |             | 20    |       |     |  |  |
| Acer campestre<br>Hedge Maple                                   | X        |           |       |  |               |             | <35   |       |     |  |  |
| Acer campestre<br>‘Evelyn’<br>Queen Elizabeth<br>Hedge Maple    |          | X         |       |  |               |             | 35    |       |     |  |  |
| Acer capillipes<br>Red Striped-bark<br>Maple                    |          | X         |       |  |               |             | 30    |       |     |  |  |
| Acer davidii<br>David’s Maple                                   |          |           | X     |  |               |             | 30    |       |     |  |  |
| Acer ginnala<br>Amur Maple                                      | X        |           |       |  |               |             | <30   |       |     |  |  |
| Acer ginnala ‘Flame’<br>Flame Maple                             |          |           | X     |  |               |             | 20    |       |     |  |  |
| Acer glabrum<br>Rocky Mountain<br>Maple                         | X        | X         | X     |  | X             |             | 25    |       |     |  |  |
| Acer grandidentatum<br>‘Shmidt’<br>Rocky Mountain<br>Glow Maple |          | X         | X     |  |               |             | 25    |       |     |  |  |
| Acer griseum<br>Paperbark Maple                                 |          | X         | X     |  |               |             | 30    |       |     |  |  |
| Acer henryi<br>Henryi Maple                                     |          | X         |       |  |               |             | 30    |       |     |  |  |
| Acer nigrum<br>‘Greencolumn’                                    |          | X         |       |  |               |             |       | 50    |     |  |  |

| Botanical name<br>Common name(s)                                | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Greencolumn Maple   |          |           |       |  |               |  |             |       |       |     |  |  |
| Acer platanoides<br>Norway Maple                                | X        |           |       |  |               |  |             | 40    |       |     |  |  |
| Acer platanoides<br>'Columnar-broad'<br>Parkway Maple           | X        |           | X     |  |               |  |             |       | 40    |     |  |  |
| Acer platanoides<br>'Crimson Sentry'<br>Crimson Sentry<br>Maple | X        |           | X     |  |               |  |             | 25    |       |     |  |  |
| Acer rubrum<br>'Armstrong'<br>Armstrong Red Maple               | X        |           | X     |  |               |  |             |       | 45    |     |  |  |
| Acer rubrum 'Autumn<br>Flame'<br>Autumn Flame Maple             |          | X         |       |  |               |  |             | 35    |       |     |  |  |
| Acer rubrum<br>'Bowhall'<br>Bowhall Red Maple                   | X        | X         | X     |  |               |  |             |       | 50    |     |  |  |
| Acer rubrum<br>'Franksred' Red<br>Sunset<br>Red Sunset Maple    | X        |           |       |  |               |  |             | 40    |       |     |  |  |
| Acer rubrum 'Karpick'<br>Karpick Red Maple                      |          | X         |       |  |               |  |             |       | 45    |     |  |  |
| Acer rubrum 'October<br>Glory'<br>October Glory Red<br>Maple    |          | X         |       |  |               |  |             |       | 50    |     |  |  |
| Acer rubrum<br>'Scarsen'<br>Scarsen Red Maple                   |          | X         |       |  |               |  |             |       | 40    |     |  |  |
| Acer rubrum<br>'Shlesinger'                                     |          | X         |       |  |               |  |             |       |       | 70  |  |  |

| Botanical name<br>Common name(s)   | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|--|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|  |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Shlesinger Maple   |          |           |       |  |               |  |             |       |       |     |  |  |
| Acer saccharum<br>Sugar Maple  | X        |           |       |  |               |  |             |       | >50   |     |  |  |
| Acer saccharum<br>'Astis'<br>Steeple Sugar Maple                             |          | X         |       |  |               |  |             |       | 40    |     |  |  |
| Acer saccharum<br>'Barret Cole'<br>Apollo Maple                              |          | X         | X     |  |               |  |             | 30    |       |     |  |  |
| Acer saccharum<br>'Bonfire'<br>Bonfire Sugar Maple                           |          | X         | X     |  |               |  |             |       | 50    |     |  |  |
| Acer saccharum<br>'Commemoration'<br>Commemoration<br>Sugar Maple            |          |           | X     |  |               |  |             |       | 50    |     |  |  |
| Acer saccharum<br>'Legacy'<br>Legacy Sugar Maple                             |          |           | X     |  |               |  |             |       | 50    |     |  |  |
| Acer tataricum<br>Tatarian Maple   |          | X         | X     |  |               |  |             | 25    |       |     |  |  |
| Acer truncatum x<br>platanoides<br>'Keithsform'<br>Norwegian Sunset<br>Maple | X        |           | X     |  |               |  |             | <35   |       |     |  |  |
| Acer truncatum x<br>platanoides<br>'Warrenred'<br>Pacific Sunset Maple       | X        | X         | X     |  |               |  |             | 30    |       |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| HORSECHESTNUTS:  |          |           |       |  |               |  |             |       |       |     |  |  |
| Aesculus x carnea<br>'Briotti'   |          |           | X     |  |               |  |             | 40    |       |     |  |  |

| Botanical name<br>Common name(s)  | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Red Horsechestnut   |          |           |       |  |               |  |             |       |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>BIRCHES:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Betula jacquemontii<br>Jacquemontii Birch                                   |          | X         |       |  |               |  |             |       | 40    |     |  |  |
| Betula nigra<br>River Birch   |          | X         |       |  |               |  |             |       | 40    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>HORNBEAMS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Carpinus betulus<br>‘Fastigiata’<br>Pyramidal European<br>Hornbeam          | X        | X         | X     |  |               |  |             | 40    |       |     |  |  |
| Carpinus betulus<br>‘Frans Fontaine’<br>Frans Fontaine<br>European Hornbeam |          | X         |       |  |               |  |             | 35    |       |     |  |  |
| Carpinus caroliniana<br>American Hornbeam                                   |          | X         | X     |  |               |  |             | 25    |       |     |  |  |
| Carpinus japonica<br>Japanese Hornbeam                                      |          | X         | X     |  |               |  |             | 30    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>KATSURAS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Cercidiphyllum<br>japonicum<br>Katsura Tree                                 |          |           | X     |  |               |  |             | 40    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>REDBUDS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Cercis canadensis<br>‘Forest Pansy’<br>Eastern Redbud                       |          |           | X     |  |               |  |             | 20    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>YELLOWWOODS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Cladrastis kentukea   |          | X         |       |  |               |  |             | 30    |       |     |  |  |

| Botanical name<br>Common name(s)  | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Yellowwood  |          |           |       |  |               |  |             |       |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>DOGWOODS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Cornus florida 'Rubra'<br>Pink Flowering<br>Dogwood                               | X        |           | X     |  |               |  |             | 20    |       |     |  |  |
| Cornus kousa<br>chinensis<br>Chinese Kousa<br>Dogwood                             | X        | X         | X     |  |               |  |             | 30    |       |     |  |  |
| Cornus kousa 'Milky<br>Way Select'<br>Milky Way Select<br>Dogwood                 |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Cornus x nuttallii<br>'Eddies White<br>Wonder'<br>Eddie's White<br>Wonder Dogwood |          | X         |       |  |               |  |             | 25    |       |     |  |  |
| Cornus kousa x<br>nuttallii 'Starlight'<br>Starlight Dogwood                      |          | X         |       |  |               |  |             | 30    |       |     |  |  |
| Cornus rutgersensis<br>'Rutcan'<br>Constellation<br>Dogwood                       |          | X         |       |  |               |  |             | 25    |       |     |  |  |
| Cornus rutgersensis<br>'Rutdan'<br>Celestial Dogwood                              |          | X         |       |  |               |  |             | 20    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>HAZELNUTS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Corylus colurna<br>Turkish Hazelnut   |          | X         |       |  |               |  |             |       | 45    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |

| Botanical name<br>Common name(s)                                    | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| <b>HAWTHORNS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Crataegus crus-galli<br>‘Inermis’<br>Thornless Cockspur<br>Hawthorn |          | X         | X     |  |               |  |             | 25    |       |     |  |  |
| Crataegus x lavalley<br>Lavalley Hawthorn                           |          | X         | X     |  |               |  |             | 30    |       |     |  |  |
| Crataegus x<br>mordensis ‘Toba’<br>Toba Hawthorn                    |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Crataegus<br>phaenopyrum<br>Washington<br>Hawthorn                  |          | X         |       |  |               |  |             | 25    |       |     |  |  |
| Crataegus viridis<br>Winter King<br>Hawthorn                        |          | X         |       |  |               |  |             | 20    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>BEECHES:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Fagus grandiflora<br>American Beech                                 |          | X         |       |  |               |  |             |       | 50    |     |  |  |
| Fagus sylvatica<br>European Beech                                   |          | X         | X     |  |               |  |             |       |       | 90  |  |  |
| Fagus sylvatica<br>‘Asplenifolia’<br>50 Fernleaf Beech              |          |           |       |  |               |  |             |       | 50    |     |  |  |
| Fagus sylvatica<br>‘Dawyck’<br>European Beech<br>‘Dawyck’           |          | X         |       |  |               |  |             | 40    |       |     |  |  |
| Fagus sylvatica<br>‘Riversii’<br>Rivers Purple Beech                |          |           | X     |  |               |  |             |       | 50    |     |  |  |
| Fagus sylvatica   |          | X         | X     |  |               |  |             | 30    |       |     |  |  |

| Botanical name<br>Common name(s)                           | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|--|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|  |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| 'Roseomarginata'<br>Tricolor Beech                         |          |           |       |  |               |  |             |       |       |     |  |  |
| Fagus sylvatica<br>'Fastgiata'<br>Fastigate Beech          |          |           | X     |  |               |  |             |       | 45    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>ASHES:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Fraxinus americana<br>'Autumn Purple'<br>Autumn Purple Ash | X        |           |       |  |               |  |             |       | >50   |     |  |  |
| Fraxinus excelsior<br>'Golden Desert'<br>Golden Desert Ash | X        |           |       |  |               |  |             | <35   |       |     |  |  |
| Fraxinus<br>pennsylvanica<br>'Patmore'<br>Patmore Ash      | X        |           |       |  |               |  |             | 40    |       |     |  |  |
| Fraxinus<br>pennsylvanica<br>'Summit'<br>Summit Green Ash  | X        |           |       |  |               |  |             | 40    |       |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>GINKGOS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Ginkgo biloba<br>'Autumn Gold'<br>Autumn Gold Ginkgo       |          |           | X     |  |               |  |             | 40    |       |     |  |  |
| Ginkgo biloba<br>'Fairmont'<br>Fairmount Ginkgo            |          | X         |       |  |               |  |             |       | 60    |     |  |  |
| Ginkgo biloba<br>'Magyar'<br>Magyar Ginkgo                 |          | X         |       |  |               |  |             |       | 50    |     |  |  |
| Ginkgo biloba<br>'Princeton Sentry'                        |          | X         |       |  |               |  |             | 40    |       |     |  |  |

| Botanical name<br>Common name(s)   | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|--|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|  |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Princeton Sentry<br>Ginkgo   |          |           |       |  |               |  |             |       |       |     |  |  |
| Ginkgo biloba<br>'Shangi-la'<br>Shangri-la Ginkgo                          |          |           |       |  |               |  |             |       | 45    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>HONEY LOCUSTS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Gleditsia triacanthos<br>Honey Locust                                      | X        |           |       |  |               |  |             |       | 40    |     |  |  |
| Gleditsia triacanthos<br>'Draves PP 21698<br>Street Keeper Honey<br>Locust |          |           | X     |  |               |  |             |       | 45    |     |  |  |
| Gleditsia triacanthos<br>'Shademaster'<br>Honey Locust                     |          |           | X     |  |               |  |             |       | 45    |     |  |  |
| Gleditsia triacanthos<br>'True Shade'<br>True Shade Honey<br>Locus         |          | X         |       |  |               |  |             |       | 40    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>COFFEE TREE:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Gymnocladus dioicus<br>Kentucky Coffee Tree                                |          | X         |       |  |               |  |             |       | 60    |     |  |  |
| Gymnocladus dioicus<br>'Espresso-JFS<br>Espresso Kentucky<br>Coffee Tree   |          |           | X     |  |               |  |             |       | 50    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| Halesia monticola<br>Mountain Silverbell                                   |          | X         |       |  |               |  |             |       | 40    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>GOLDENRAIN TREES:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Koelreuteria   |          |           | X     |  |               |  |             | 30    |       |     |  |  |



| Botanical name<br>Common name(s)                                  | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| paniculata<br>Goldenrain Tree                                     |          |           |       |  |               |  |             |       |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>CRAPE MYRTLES:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Lagerstroemia<br>hybrids<br>Crape Myrtle                          |          | X         |       |  |               |  |             | 25    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>TULIP TREES:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Liriodendron<br>tulipifera<br>Tuliptree                           | X        | X         | X     |  |               |  |             |       | 60    |     |  |  |
| Liriodendron<br>tulipifera<br>'Fastigiatum'<br>Columnar Tuliptree | X        | X         | X     |  |               |  |             |       | 50    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>MAACKIA:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Maackia amurensi<br>Amur Maackia                                  |          | X         |       |  |               |  |             | 25    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>MAGNOLIAS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Magnolia 'Butterflies'<br>Butterflies Magnolia                    |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Magnolia denudata<br>Yulan Magnolia                               |          | X         |       |  |               |  |             |       | 40    |     |  |  |
| Magnolia grandiflora<br>'Edith Bogus'<br>Edith Bogue<br>Magnolia  |          | X         |       |  |               |  |             |       |       | 60  |  |  |
| Magnolia grandiflora<br>'Little Gem'<br>Little Gem Magnolia       |          | X         |       |  |               |  |             | 25    |       |     |  |  |
| Magnolia liliflora x  | X        | X         | X     |  |               |  |             | 30    |       |     |  |  |

| Botanical name<br>Common name(s)  | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| sprengeri 'Galaxy'<br>Galaxy Magnolia                                     |          |           |       |  |               |  |             |       |       |     |  |  |
| Magnolia x loebneri<br>'Merrill'<br>Merrill Magnolia                      |          | X         |       |  |               |  |             | 30    |       |     |  |  |
| Magnolia sieboldii<br>Oyama Magnolia                                      |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Magnolia x<br>soulangiana 'Rustica<br>Rubra'<br>Rustica Rubra<br>Magnolia | X        | X         | X     |  |               |  |             | 20    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>CRABAPPLES:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Malus 'Adirondack'<br>Adirondack<br>Crabapple                             |          | X         |       |  |               |  | 18          |       |       |     |  |  |
| Malus "Golden<br>Raindrops"<br>Golden Raindrops<br>Crabapple              |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Malus Prairiefire'<br>Prairiefire Crabapple                               |          | X         | X     |  |               |  |             | 20    |       |     |  |  |
| Malus 'Red Barron'<br>Red Barron Crabapple                                |          | X         | X     |  |               |  |             | 20    |       |     |  |  |
| Malus 'Royal<br>Raindrops'<br>Royal Raindrops<br>Crabapple                |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Malus sargentii<br>"Sargent Tina"<br>Sargent Tina<br>Crabapple            |          | X         |       |  |               |  | 6           |       |       |     |  |  |

| Botanical name<br>Common name(s)                              | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Malus 'Snowdrift'<br>Snowdrift Flowering<br>Crabapple         |          |           | X     |  |               |  |             | 20    |       |     |  |  |
| Malus species<br>Flowering Crabapple                          | X        |           |       |  |               |  |             | <35   |       |     |  |  |
| Malus species<br>'JFSKW213MX'<br>Raspberry Spear<br>Crabapple |          |           | X     |  |               |  |             | 20    |       |     |  |  |
| Malus species 'JFS<br>KW214MX'<br>Ivory Spear<br>Crabapple    |          |           | X     |  |               |  | 18          |       |       |     |  |  |
| Malus 'Sutyzam'<br>Sugar Tyme<br>Crabapple                    |          | X         |       |  |               |  | 18          |       |       |     |  |  |
| Malus 'Thunderchild'<br>Thunderchild<br>Crabapple             |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Malus tschonoskii<br>Tschonoskii<br>Crabapple                 |          | X         | X     |  |               |  |             | 35    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>TUPELO:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Nyssa sylvatica<br>Black Tupelo                               | X        | X         | X     |  |               |  |             |       | 45    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>HOP-HORNBEAM:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Ostrya virginiana<br>Hop-hornbeam                             |          | X         |       |  |               |  |             |       | 40    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>SOURWOODS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Oxidendron<br>arboretum                                       |          |           | X     |  |               |  |             | 35    |       |     |  |  |

| Botanical name<br>Common name(s)                                      | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Sourwood  |          |           |       |  |               |  |             |       |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>IRONWOODS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Parrotia persica<br>Persian Ironwood                                  |          | X         |       |  |               |  |             | 30    |       |     |  |  |
| Parrotia persica 'Ruby Vase'<br>Ruby Vase Persian Ironwood            |          | X         | X     |  |               |  |             | 30    |       |     |  |  |
| Parrotia persica 'JL Columnar'<br>Persian Spire Parrotia              |          | X         | X     |  |               |  |             | 30    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>PISTACHIAS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Pistache chinense<br>Chinese Pistacia                                 |          | X         | X     |  |               |  |             |       | 60    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>SYCAMORES/ PLANE TREES</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Platanus x acerifolia<br>'Yarwood'<br>Yarwood Plane Tree              |          | X         |       |  |               |  |             |       | 50    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>FLOWERING CHERRY OR PLUM:</b>                                      |          |           |       |  |               |  |             |       |       |     |  |  |
| Prunus cerasifera<br>Prunus mume<br>Prunus triloba<br>Flowering Plum  | X        |           |       |  |               |  |             | <35   |       |     |  |  |
| Prunus cerasifera<br>'Thundercloud'<br>Thundercloud<br>Flowering Plum |          |           | X     |  |               |  |             | 20    |       |     |  |  |
| Prunus x hillieri   | X        |           | X     |  |               |  |             | 30    |       |     |  |  |

| Botanical name<br>Common name(s)   | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|--|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|  |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| ‘Spire’<br>Spire Cherry  |          |           |       |  |               |  |             |       |       |     |  |  |
| Prunus sargentii<br>Sargent Cherry   | X        |           | X     |  |               |  |             | 30    |       |     |  |  |
| Prunus spp.<br>“Snowgoose”<br>Snowgoose Cherry   | X        |           | X     |  |               |  |             | 20    |       |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>PEARS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Pyrus calleryana<br>‘Cleveland Select’ or<br>Redspire’<br>Redspire or Cleveland<br>Select Callery Pear<br>(not for street tree<br>use) |          |           | X     |  |               |  |             | 35    |       |     |  |  |
| Pyrus fauriei<br>‘Westwood’<br>Korean Sun Pear   |          | X         |       |  |               |  | 12          |       |       |     |  |  |
| Pyrus ussuriensis<br>‘MorDak’<br>Prairie Gem Pear  |          | X         |       |  |               |  |             | 25    |       |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>OAKS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Quercus alba<br>White Oak  |          | X         |       |  |               |  |             |       | 45    |     |  |  |
| Quercus alba x robur<br>‘Crimson Schmidt’<br>Crimson Spire Oak   | X        | X         | X     |  |               |  |             |       | 45    |     |  |  |
| Quercus bicolor<br>Swamp White Oak   |          | X         |       |  |               |  |             |       | 45    |     |  |  |
| Quercus coccinea<br>‘Scarlet’<br>Scarlet Oak   | X        | X         | X     |  |               |  |             |       | 50    |     |  |  |

| Botanical name<br>Common name(s)                        | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |   |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|---|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |   |  |
| Quercus frainetto<br>'Schmidt'<br>Forest Green Oak      |          | X         |       |  |               |  |             |       | 50    |     |   |  |
| Quercus garryana<br>Garry Oak                           |          | X         | X     |  | X             |  |             |       |       | 70  |   |  |
| Quercus ilex<br>Holly Oak                               |          | X         |       |  |               |  |             |       |       | 60  |   |  |
| Quercus imbricaria<br>Shingle Oak                       |          | X         |       |  |               |  |             |       |       | 60  |   |  |
| Quercus macrocarpa<br>Bur Oak                           |          | X         |       |  |               |  |             |       | 55    |     |   |  |
| Quercus palutris<br>Pin Oak                             |          | X         |       |  |               |  |             |       | 55    |     |   |  |
| Quercus phellos<br>Willow Oak                           |          | X         |       |  |               |  |             |       |       | 80  |   |  |
| Quercus robur x<br>'Asjes'<br>Rosehill Oak              |          | X         |       |  |               |  |             |       | 40    |     | u |  |
| Quercus robur<br>'Fastigiata'<br>Skyrocket Oak          | X        | X         | X     |  |               |  |             |       | 45    |     |   |  |
| Quercus robur<br>'Pryamich'<br>Skymaster English<br>Oak |          | X         |       |  |               |  |             |       | 50    |     |   |  |
| Quercus rubra<br>Red Oak                                | X        | X         | X     |  |               |  |             |       | 50    |     |   |  |
| Quercus shumardii<br>Shumard Oak                        |          | X         |       |  |               |  |             |       | 50    |     |   |  |
|   |          |           |       |  |               |  |             |       |       |     |   |  |
| <b>CASCARAS:</b>  |          |           |       |  |               |  |             |       |       |     |   |  |
| Rhamnus purshiana<br>Cascara                            |          | X         | X     |  | X             |  |             | 25    |       |     |   |  |
|   |          |           |       |  |               |  |             |       |       |     |   |  |

| Botanical name<br>Common name(s)                                 | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|--|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|  |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| <b>LOCUSTS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Robinia x ambigua<br>‘Idahoensis’<br>Pink Flowering Locust       |          | X         |       |  |               |  |             |       | 40    |     |  |  |
| Robinia pseudoacacia<br>‘Bessonia’<br>Bessoniana Locust          |          | X         |       |  |               |  |             | 30    |       |     |  |  |
| Robinia pseudoacacia<br>‘Frisia’<br>Frisia Locust                |          | X         |       |  |               |  |             |       | 40    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>PAGODA TREES:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Sophora japonica<br>‘Halka’<br>Millstone Japanese<br>Pagoda Tree |          | X         |       |  |               |  |             |       | 45    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>MOUNTAIN ASHES:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Sorbus americana<br>‘Dwarfcrown’<br>Red Cascade<br>Mountain Ash  |          | X         | X     |  |               |  | 18          |       |       |     |  |  |
| Sorbus vilmorinii<br>Vilmorin’s Mountain<br>Ash                  |          | X         |       |  |               |  |             | 20    |       |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>STEWARTIA TREES:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Stewartia<br>pseudocamellia<br>Japanese Stewartia                |          | X         | X     |  |               |  |             | 30    |       |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>SNOWBELLS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Styrax japonicus<br>Japanese Snowbell                            | X        |           | X     |  |               |  |             | 25    |       |     |  |  |

| Botanical name<br>Common name(s)                                   | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|--|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|  |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>LILACS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Syringa meyeri<br>'Palibin'<br>Tree Lilac                          |          |           | X     |  |               |  | 7           |       |       |     |  |  |
| Syringa reticulata<br>'Ivory Silk'<br>Ivory Silk Japanese<br>Lilac |          | X         |       |  |               |  |             | 20    |       |     |  |  |
| Syringa reticulata<br>'Summer Charm'<br>Summer Charm Lilac         |          | X         |       |  |               |  |             | 25    |       |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>LINDENS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Tilia americana<br>'Redmond'<br>Redmond Linden                     | X        |           | X     |  |               |  |             | 35    |       |     |  |  |
| Tilia cordata<br>'Greenspire'<br>Littleleaf Linden                 | X        |           | X     |  |               |  |             |       | 40    |     |  |  |
| Tilia cordata 'Haika'<br>Summer Sprite<br>Linden                   |          | X         |       |  |               |  | 16          |       |       |     |  |  |
| Tilia x euchloroa<br>Crimean Linden                                |          | X         |       |  |               |  |             |       | 40    |     |  |  |
| Tilia tomentosa<br>'Sterling'<br>Sterling Silve Linden             |          | X         |       |  |               |  |             |       | 45    |     |  |  |
|  |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>ELMS:</b>   |          |           |       |  |               |  |             |       |       |     |  |  |
| Ulmus carpinifolia x<br>parvifolia 'Frontier'<br>Frontier Elm      |          | X         |       |  |               |  |             |       | 40    |     |  |  |
| Ulmus 'Homestead'  |          | X         |       |  |               |  |             |       | 55    |     |  |  |



| Botanical name<br>Common name(s)                                | Tumwater | Olympia*1 | Lacey |  | Native *2, *3 |  | Height (ft) |       |       |     |  |  |
|---|----------|-----------|-------|--|---------------|--|-------------|-------|-------|-----|--|--|
|   |          |           |       |  |               |  | 0-20 ft     | 20-40 | 40-60 | 60+ |  |  |
| Homestead Elm   |          |           |       |  |               |  |             |       |       |     |  |  |
| Ulmus 'Morton<br>Glossy'<br>Triumph Elm                         |          | X         |       |  |               |  |             |       | 55    |     |  |  |
| Ulmus parvifolia<br>'Emer II'<br>Ailee Elm                      |          | X         |       |  |               |  |             |       | 50    |     |  |  |
| Ulmus parvifolia<br>'UPMTF'<br>Bosque Elm                       |          | X         |       |  |               |  |             |       | 45    |     |  |  |
| Ulmus x 'Patriot'<br>Patriot Elm                                |          | X         |       |  |               |  |             |       | 50    |     |  |  |
| Ulmus 'Pioneer'<br>Pioneer Elm                                  |          | X         |       |  |               |  |             |       | 60    |     |  |  |
| Ulmus propinqua<br>'JFS-Bieberich'<br>Emerald Sunshine<br>Elm   |          |           | X     |  |               |  | 40          |       |       |     |  |  |
| Ulmus wilsoniana<br>'Prospector'<br>Prospector Elm              |          | X         |       |  |               |  |             |       | 40    |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |
| <b>ZELKOVAS:</b>  |          |           |       |  |               |  |             |       |       |     |  |  |
| Zelkova serrata 'JFS-<br>KW1'<br>City Sprite Zelbova            |          | X         |       |  |               |  |             | 25    |       |     |  |  |
| Zelkova serrata<br>'Musashino'<br>Musashino columnar<br>Zelkova |          | X         |       |  |               |  |             |       | 45    |     |  |  |
| Zelkova serrata<br>'Schmidtlow'<br>Wireless Zelkova             |          | X         |       |  |               |  |             | 25    |       |     |  |  |
|   |          |           |       |  |               |  |             |       |       |     |  |  |

Footnotes:

\*1. Emails to and from Jason Johns, City of Olympia Urban Forester re: City of Olympia Recommended Tree List

**From:** Liz & Jim Sedore <lizardgym@gmail.com>

**Sent:** Friday, January 31, 2025 8:32 AM

**To:** cpdinfo <cpdinfo@ci.olympia.wa.us>

**Cc:** Alyssa Jones Wood <ajoneswood@ci.tumwater.wa.us>

**Subject:** Olympia recommended Street Trees

JASEN,

I am on the Tumwater Tree Board.

We are updating the Tumwater recommended tree list and looking at the Olympia recommended tree list.

1. Do you know what criteria Olympia used to make their list?
2. Did they make the list from some other city's list? There are a lot of varietal names on the list.

Thanks, Jim Sedore for the Tumwater Tree Board

**2025.01.31 Email from Jasen Johns, City of Olympia Urban Forester**

RE: Species Palette for Street Trees In South Puget Sound

Jasen Johns <jjohns@ci.olympia.wa.us>

Jan 31, 2025, 11:43 AM

Mr. Jim Sedore,

Thank you for opening a conversation about City of Olympia's recommended species for street tree plantings.

Yesterday, I shared a few thoughts on street trees with Olympians concerned about street tree conflicts with sidewalks (although below-ground utilities, aerial utilities, and bicycle/automobile thoroughfares could have been grouped with their concerns as well.)

Here are those thoughts for your consideration:

**A. (Current Street Tree Species Palette):**

City of Olympia's current street tree species palette was updated in 2022, just prior to my hire. These trees were selected for their lack of rooting conflict with street and sidewalk infrastructure. This species palette offers "right tree, right place" guidance. Most importantly, it includes a do-not-plant list. In my professional opinion, it's a good tree species palette for Olympia and can be found on our Urban Forestry Web page under street trees ([https://www.olympiawa.gov/services/urban\\_forestry.php](https://www.olympiawa.gov/services/urban_forestry.php).)

**B. (Street Tree Well Standards):**

In 2021, City of Olympia changed their street tree well specifications in our Engineering, Design and Development Standards (E.D.D.S.) This changed the specification from 4'x4' tree wells to 4'x8' tree wells with a grate that is seated on a frame. There are specifications on soil composition and soil

volume as well. One of the best ways to avoid infrastructure conflicts is by providing trees with sufficient soil quality and soil volume. The new standard better aligns with Arboricultural Best Management Practices. BMPs typically require around 1,110 cubic feet in soil volume (with variability for tree species.)

**C. (Old Sidewalks):**

On a related note, many of the sidewalks I've seen in Olympia are very old and not engineered to modern standards. For instance, I have seen cracked, cut, or lifted sidewalks with 80% peanut-brittle-like aggregate poured to only a two-inch depth with no substrate. As these legacy sidewalks fall apart, they are particularly vulnerable to rooting conflicts. Our new, modern standards include a sturdy concrete mix, poured to sufficient depth, and with an appropriately compacted substrate bed. Better engineered sidewalks prevent rooting conflicts. Our City of Olympia crews and contractors install to the modern specifications.

**D. (Specifications during development-permitting):**

There are other specifications that can be conditioned during development-permitting to prevent infrastructure conflicts: monolithic curbing, root barriers, root channels, root bridging, or structural elements such as modular suspended pavement systems (e.g. Silva Cells.)

**E. (Street Tree Maintenance by City Staff):**

City of Olympia has around 218 Centerline Miles of opened right-of-way, yet our two-person Urban Forestry Crew only maintains street trees along 17 of those Centerline Miles (in Downtown and along ten traffic arterials.) In fairness, these two Arborists also service trees on over 1,469 acres of recreational parkland across the City.

**F. (Street Tree Maintenance by Adjacent Property Owners):**

Apart from the street trees under OPARD maintenance, all other street trees are the maintenance liability of adjacent property owners. The sidewalks are the maintenance liability of adjacent property owners, too. Urban Forestry partners with Transportation in seeking compliance with tree care and sidewalk maintenance requirements.

**G. (Getting Approval for Street Tree Planting):**

People are supposed to seek the Urban Forester's approval for street tree plantings, but often enough people will plant what they like without any professional input (creating problems a decade or two later.)

**H. (2017 City of Olympia Street Tree Inventory):**

Under a 2017 Washington State Department of Natural Resources grant, City of Olympia inventoried 2,100 street trees along the aforementioned 17 Centerline Miles maintained by OPARD. OPARD updates

this tree inventory as part of their maintenance duties.

**I. (2024 Grant for Tree Equity and New City Urban Forest Management Plan):**

In 2024, I applied for a Washington State Department of Natural Resources grant centered on tree equity, that is ensuring everyone benefits from trees in our urban forest. Our grant proposal has been selected for award. We will hire a contractor to help create an Urban Forest Management Plan (City of Tumwater and City of Lacey already have Urban Forest Management Plans in-place; City of Olympia does not have a plan.) Tree equity includes ADA/accessibility concerns. There's a significant engagement component to this UFMP, so we welcome community members' participation.

If you would like to discuss street trees further, then please call me at 360.753.8301.

While City of Olympia has lacked a tree board since 2003, I would be happy to meet with City of Tumwater's tree board.

Best Regards, Jasen

**Jasen Welton Johns** (he/him), Urban Forestry Program Manager  
Community Planning & Development

**Desk: 360.753.8301**

**E-mail: [jjohns@ci.olympia.wa.us](mailto:jjohns@ci.olympia.wa.us)**

P.O. Box 1967

Olympia, WA 98507-1967

Species Palette for Street Trees In South Puget Sound

Inbox

Jasen Johns

Jan 31, 2025, 11:43 AM (3 days ago)

Mr. Jim Sedore, Thank you for opening a conversation about City of Olympia's recommended species for street tree plantings. Yesterday, I shared a few thoughts o

Liz & Jim Sedore

Feb 1, 2025, 3:36 PM (2 days ago)

JASEN, Thank you for your quick and thorough response. I have a couple of clarifying questions:

1. Concerning the City of Olympia Recommended Tree List, you wrote:

"These trees were selected for their lack of rooting conflict with street and sidewalk infrastructure. This species palette offers "right tree, right place" guidance."

Do you know where the City of Olympia got the data listing these species and varieties as trees that lack "rooting conflict with street and sidewalk infrastructure"?

2. Updates:

Are there any changes that you would make to the 2022 City of Olympia Recommended Street Tree List?

Thank you, Jim Sedore for the City of Tumwater Tree Board

Reply: Feb 3, 2025, 1050AM From: Jasen Johns to me, Alyssa, Trent

Hi Jim (and hey-howdy, Alyssa & Trent!)

My predecessor, Shelly Bentley, was a wonderfully talented arborist and landscape architect (she designed trails when she worked for the National Park Service.) In formulating City of Olympia's tree list, she used pretty good professional judgement. When I look at her list, I evaluate it based on my professional judgement. Professional judgement is rooted in training and practice, but urban foresters and municipal arborists do listen to others' experiences with particular tree species as well.

Many factors bear consideration in selecting the right tree for the right place at the right time with the right care. Sometimes a tree species that makes an excellent street tree selection in one bioregion might be terrible choice in another bioregion

One cultivar that jumps out at me on the Olympia street tree list is Robinia pseudoacacia 'Frisia'. While I planted many native black locusts in Atlanta, Washington State Noxious Weed Control Board considers black locust to be invasive. However, I have no experience with the 'Frisia' cultivar, so it might work well enough in Washington State. Before I would approve a proposed 'Frisia' planting, I'd have to do a bit more research, call Washington State University Cooperative Extension, or talk with my friends at Thurston Conservation District. Fortunately, nobody has proposed a black locust planting, yet.

Climate change is complicating tree species selection, too. Previously non-invasive introduced species can become invasive. Native species that previously thrived will no longer do well. The performance of tried-and-true species can go catawampus. By way of example, City of Olympia planted a dozen beautiful crab apples on Chestnut Street near East Budd Bay. The 2021 heat dome event badly sun-seared the western sides of those poor Malus trees' stems.

Trees For Seattle offers good guidance for trees used in their program: <https://www.seattle.gov/trees/planting-and-care/tree-selection>. My good friend Lou Stubecki worked for this program ere his retirement in 2024. I have had the good fortune of meeting more than my fair share of plant-savants in my life; Lou is definitely

one of them and any recommended plant species list he has put together is assuredly a good one.

In Tumwater, Alyssa has partnered with Arbor Day Foundation's Community Tree Distributions program. This Community-Based Forestry program utilizes a few new automated tools to prescribe tree species selections: <https://www.arborday.org/our-work/community-tree-distributions>

Best Regards, Jasen Johns  
Urban Forester. City of Olympia

\*2 "Landscaping in The pacific northwest - Native plants" Updated 2008. WSU Extension  
<https://s3.wp.wsu.edu/uploads/sites/2079/2014/02/native-plants-2008.pdf>

Native plant list: Trees:

1. Grand Fir **Abies grandis** X X X X X 250
2. Vine Maple **Acer circinatum** X X X X X 25
3. Big Leaf Maple **Acer macrophyllum** X X X X X 100
4. Red Alder **Alnus rubra** X X X X X 120
5. Oregon Ash **Fraxinus latifolia** X X X X X 70
6. Pacific Crabapple **Malus fusca** X X X X X 40
7. Sitka Spruce **Picea sitchensis** X X X X X 200
8. Shore Pine **Pinus contorta** X X X X X 50
9. Black Cottonwood **Populus trichocarpa** X X X X X 160
10. Bitter Cherry **Prunus emarginata** X X X X X 30
11. Douglas Fir **Pseudotsuga menziesii** X X X X X 250
12. Oregon White Oak **Quercus garryana** X X X X X 75
13. Cascara **Rhamnus purshiana** X X X X X X 30
14. Pacific Willow **Salix lasiandra** X X X X X 40
15. Scouler's Willow **Salix scouleriana** X X X X X 30
16. Pacific Yew **Taxus brevifolia** X X X X X 25
17. Western Red Cedar **Thuja plicata**
18. Western Hemlock **Tsuga heterophylla** X X X X 225

\*3 <https://green2.kingcounty.gov/gonative/Plant.aspx?Act=list>

**King County Native Plants List:**

| <u>type</u> | <u>common name</u>                      | <u>latin name</u>          | <u>exposure</u>  | <u>moisture</u> | <u>height (ft)</u> | <u>avail.</u> | <u>ease</u> |
|-------------|---|----------------------------|------------------|-----------------|--------------------|---------------|-------------|
| Tree        | <a href="#"><u>bigleaf maple</u></a>    | <i>Acer macrophyllum</i>   | sun - shade      | dry - moist     | 100                | M             | H           |
| Tree        | <a href="#"><u>bitter cherry</u></a>    | <i>Prunus emarginata</i>   | sun - part shade | dry - moist     | 30                 | M             | M           |
| Tree        | <a href="#"><u>black cottonwood</u></a> | <i>Populus balsamifera</i> | sun - part shade | moist - wet     | 160                | M             | H           |
| Tree        | <a href="#"><u>black hawthorn</u></a>   | <i>Crataegus douglasii</i> | sun - part shade | moist - wet     | 30                 | M             | M           |
| Tree        | <a href="#"><u>cascara</u></a>          | <i>Rhamnus purshiana</i>   | sun - shade      | dry - wet       | 30                 | M             | M           |
| Tree        | <a href="#"><u>Douglas' Maple</u></a>   | <i>Acer glabrum</i>        | sun - part shade | moist           | 30                 | M             | H           |

|  |  |                    |                  |             |     |     |
|--|--|--------------------|------------------|-------------|-----|-----|
| Tree <a href="#">Douglas-fir</a>                 | <i>Pseudotsuga menziesii</i>               | sun - part shade   | dry - moist      | 250         | M   | H   |
| Tree <a href="#">grand fir</a>                   | <i>Abies grandis</i>                       | sun - shade        | dry - moist      | 250         | H   | M   |
| Tree <a href="#">Hookers willow</a>              | <i>Salix hookeriana</i>                    | sun                | moist - wet      | 20          | L   | H   |
| Tree <a href="#">madrone; madrona</a>            | <i>Arbutus menziesii</i>                   | sun - part shade   | dry              | 90          | M   | L   |
| Tree <a href="#">Oregon ash</a>                  | <i>Fraxinus latifolia</i>                  |                    | sun - part shade | moist - wet | 70  | M M |
| Tree <a href="#">Oregon white oak; Garry oak</a> | <i>Quercus garryana</i>                    |                    | sun - part shade | dry         | 75  | L M |
| Tree <a href="#">Pacific crabapple</a>           | <i>Malus fusca</i>                         |                    | sun - part shade | moist - wet | 40  | L M |
| Tree <a href="#">Pacific dogwood</a>             | <i>Cornus nuttallii</i>                    |                    | part shade       | dry - moist | 60  | M L |
| Tree <a href="#">Pacific willow</a>              | <i>Salix lasiandra</i>                     |                    | sun - part shade | moist - wet | 40  | M H |
| Tree <a href="#">paper birch</a>                 | <i>Betula papyrifera</i>                   |                    | sun - part shade | moist       | 90  | M M |
| Tree <a href="#">quaking aspen</a>               | <i>Populus tremuloides</i>                 |                    | Sun              | moist - wet | 60  | M H |
| Tree <a href="#">red alder</a>                   | <i>Alnus rubra</i>                         |                    | sun - part shade | dry - wet   | 120 | M H |
| Tree <a href="#">shore pine</a>                  | <i>Pinus contorta</i> var. <i>contorta</i> |                    | sun - part shade | dry - wet   | 50  | M H |
| Tree <a href="#">Sitka spruce</a>                | <i>Picea sitchensis</i>                    |                    | sun - part shade | moist - wet | 200 | M M |
| Tree <a href="#">Sitka willow</a>                | <i>Salix sitchensis</i>                    | sun - part shade   | moist – wet      | 30          | M   | H   |
| Tree <a href="#">slide alder</a>                 | <i>Alnus viridis</i>                       | sun - part shade   | Moist            | 30          | L   | M   |
| Tree <a href="#">vine maple</a>                  | <i>Acer circinatum</i>                     | part shade - shade | dry – moist      | 25          | H   | H   |
| Tree <a href="#">Western hemlock</a>             | <i>Tsuga heterophylla</i>                  | part shade - shade | moist – wet      | 225         | M   | M   |
| Tree <a href="#">Western redcedar</a>            | <i>Thuja plicata</i>                       | part shade - shade | moist – wet      | 200         | H   | M   |
| Tree <a href="#">Western white pine</a>          | <i>Pinus monticola</i>                     | sun - part shade   | dry – moist      | 130         | L   | L   |
| Tree <a href="#">yew</a>                         | <i>Taxus brevifolia</i>                    | part shade - shade | dry – moist      | 40          | M   | L   |