

## CDFmm — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 Fd – Salal	Fd	Pl <sup>6</sup>	Bg <sup>7</sup> Cw	Dr <sup>b</sup> Mb <sup>b</sup> Qg <sup>b</sup> Ra <sup>a</sup>	900	500	400	3	8	11	150
02* FdPl – Arbutus	Fd	Pl <sup>6</sup>		Qg <sup>a</sup> Ra <sup>a</sup>	400	200	200	3	8	11	150
03 Fd – Oniongrass	Fd	Pl <sup>3</sup>		Qg <sup>a</sup> Ra <sup>b</sup>	800	400	400	6	11	14	150
04 FdBg – Oregon grape	Fd		Bg Cw	Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>a</sup> Qg <sup>a</sup>	900	500	400	3	8	11	150
05 CwFd – Kindbergia	Fd		Cw	Act <sup>b</sup> Dr <sup>7,42,a</sup> Mb <sup>b</sup> Qg <sup>b</sup> Ra <sup>b</sup>	900	500	400	3	8	11	150
06 CwBg – Foamflower	Bg Cw Fd			Act <sup>42,a</sup> Dr <sup>42,a</sup> Mb <sup>a</sup> Qg <sup>a</sup> Ra <sup>b</sup>	900	500	400	3	8	11	150
07 Cw – Snowberry	Bg Cw Fd			Act <sup>42,a</sup> Dr <sup>42,a</sup> Mb <sup>a</sup> Qg <sup>b</sup> Ra <sup>b</sup>	900	500	400	3	8	11	150
08 Act – Red-osier dogwood		Bg <sup>1</sup> Cw <sup>1</sup>		Act <sup>42,a</sup> Dr <sup>42,a</sup> Mb <sup>a</sup> Qg <sup>b</sup> Ra <sup>b</sup>	900	500	400	3	8	11	150

\* avoid logging

1 limited by wet and/or cold soils  
3 restricted to coarse-textured soils

6 suitable on nutrient-very-poor sites

7 restricted to nutrient-medium sites  
42 restricted to fresh soil moisture regimes

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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## Free Growing Height Criteria (m)

Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 02 03 10 11 14	–	1.25	2.0	–	–	1.40	–	–	–	–	–	1.0	–	–	–
04 05	–	–	3.0	–	–	1.75	–	–	–	–	–	1.5	–	–	–
06 07 08 12 13	–	–	4.0	–	–	2.25	–	–	–	–	–	2.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



**CDFmm — Vancouver** (continued)

**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
09 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
10* PI – Sphagnum	PI <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
11 Cw – Skunk cabbage	Cw <sup>1</sup>			Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
12 Cw – Vanilla leaf	Bg <sup>1</sup> Cw <sup>1</sup> Fd <sup>1</sup>			Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
13 Cw – Indian plum	Bg <sup>1</sup> Cw <sup>1</sup>	Fd <sup>1</sup>		Act <sup>41,42,a</sup> Dr <sup>41,42,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
14 Cw – Slough sedge	Cw <sup>1</sup>	Bg <sup>1</sup>		Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

41 limited by poorly drained soils

42 restricted to fresh soil moisture regimes

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Free Growing Height Criteria (m)															
Site series	Bl	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 02 03 10 11 14	–	1.25	2.0	–	–	1.40	–	–	–	–	–	1.0	–	–	–
04 05	–	–	3.0	–	–	1.75	–	–	–	–	–	1.5	–	–	–
06 07 08 12 13	–	–	4.0	–	–	2.25	–	–	–	–	–	2.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards

MSS – minimum stocking standards

pa – preferred and acceptable

p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHdm — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 Hw – Flat moss	Fd	Hw <sup>24</sup>	Cw Pw <sup>31</sup>	Act <sup>b</sup> Dr <sup>7,42,a</sup> Ep <sup>18,a</sup> Mb <sup>b</sup> Ra <sup>b</sup>	900	500	400	3	8	11	150
02* FdPI – Cladina	PI	Fd		Mb <sup>b</sup> Qg <sup>b</sup> Ra <sup>a</sup>	400	200	200	3	8	11	150
03 FdHw – Salal	Fd		Cw Hw Lw <sup>23</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup> Ra <sup>a</sup>	800	400	400	3	8	11	150
04 Fd – Sword fern	Fd		Cw Lw <sup>23</sup> Pw <sup>31</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>a</sup> Qg <sup>b</sup> Ra <sup>b</sup>	900	500	400	3	8	11	150
05 Cw – Sword fern	Cw Fd		Hw Pw <sup>31</sup>	Act <sup>42,a</sup> Dr <sup>42,a</sup> Ep <sup>18,a</sup> Mb <sup>a</sup>	900	500	400	3	8	11	150
06 HwCw – Deer fern	Cw Hw		Fd <sup>1</sup>	Act <sup>b</sup> Dr <sup>7,41,a</sup> Ep <sup>18,a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
07 Cw – Foamflower	Bg Cw Fd		Hw	Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

7 restricted to nutrient-medium sites

18 restricted to eastern portion of biogeoclimatic unit in region

23 restricted to trial use

24 suitable as major species in wetter portion of biogeoclimatic unit

31 risk of white pine blister rust  
41 limited by poorly drained soils

42 restricted to fresh soil moisture regimes

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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## Free Growing Height Criteria (m)

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04 06	–	–	3.0	–	–	–	–	–	1.5	–	3.0	1.5	2.5	–	–
02 03 11 12 15	–	1.25	2.0	3.0	–	–	–	–	1.0	–	2.0	1.0	2.5	–	–
05 07 08 09 13 14	–	–	4.0	–	–	3.5	–	–	–	–	4.0	2.0	2.5	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



**CWHdm — Vancouver** (continued)

**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
08 Ss – Salmonberry	Bg Cw			Act <sup>41,b</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
09 Act – Red-osier dogwood		Bg <sup>1</sup> Cw <sup>1</sup>		Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
10 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
11* Pl – Sphagnum	Pl <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
12 CwSs – Skunk cabbage	Cw <sup>1</sup>		Hw <sup>1,2</sup> Pw <sup>31</sup> Ss <sup>35</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
13 Cw – Salmonberry	Bg Cw	Fd <sup>1</sup>		Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
14 Cw – Black twinberry	Bg <sup>1</sup> Cw <sup>1</sup>			Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
15 Cw – Slough sedge	Cw <sup>1</sup>			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging  
 1 elevated microsites are preferred  
 2 suitable on thick forest floors  
 18 restricted to eastern portion of biogeoclimatic unit in region  
 31 risk of white pine blister rust  
 35 risk of weevil damage  
 41 limited by poorly drained soils  
 a productive, reliable, and feasible regeneration option  
 b limited in productivity, reliability, and/or feasibility

Free Growing Height Criteria (m)	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04 06	–	–	3.0	–	–	–	–	–	1.5	–	3.0	1.5	2.5	–	–
02 03 11 12 15	–	1.25	2.0	3.0	–	–	–	–	1.0	–	2.0	1.0	2.5	–	–
05 07 08 09 13 14	–	–	4.0	–	–	3.5	–	–	–	–	4.0	2.0	2.5	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines  
<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHds1 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwFd – Cat's-tail moss	Fd		Cw Hw Pw <sup>31</sup>	Act <sup>b</sup> Dr <sup>7,40,42,a</sup> Ep <sup>a</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
02* FdPI – Kinnikinnick	PI	Fd			400	200	200	3	8	11	150
03 FdHw – Falsebox	Fd	PI <sup>6</sup> Py <sup>7,18,23</sup>	Cw Hw	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
04 Fd – Fairybells	Fd		Cw Pw <sup>31</sup> Py <sup>18,23</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>17,a</sup>	800	400	400	3	8	11	150
05 Cw – Solomon's seal	Fd	Se <sup>13,18</sup>	Bp <sup>13,23</sup> Cw Hw Pw <sup>13,31</sup>	Act <sup>42,a</sup> Dr <sup>40,42,a</sup> Ep <sup>a</sup> Mb <sup>17,a</sup>	900	500	400	3	8	11	150

\* avoid logging  
6 suitable on nutrient-very-poor sites  
7 restricted to nutrient-medium sites  
13 restricted to upper elevations of biogeoclimatic unit

17 restricted to western portion of biogeoclimatic unit in region  
18 restricted to eastern portion of biogeoclimatic unit in region  
23 restricted to trial use  
31 risk of white pine blister rust  
40 risk of redheart

42 restricted to fresh soil moisture regimes  
a productive, reliable, and feasible regeneration option  
b limited in productivity, reliability, and/or feasibility

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Free Growing Height Criteria (m)															
Site series	Bl	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04 05 06	–	2.0	2.25	–	1.0	–	–	1.0	1.25	–	1.0	1.5	2.5	1.25	–
02 11 12	–	1.25	1.5	–	–	–	–	–	–	–	–	1.0	–	–	–
03	–	1.25	1.5	–	–	–	–	–	–	–	0.8	1.0	–	1.0	–
07	–	–	3.0	–	–	2.0	–	1.5	–	–	1.25	2.0	–	–	–
08	–	–	3.0	3.0	–	2.0	–	1.5	–	–	–	2.0	–	–	–
09	–	–	3.0	–	–	2.0	–	1.5	–	–	–	2.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



### CWHds1 — Vancouver (continued)

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
06 Hw – Queen's cup	Hw	Fd	Cw	Act <sup>b</sup> Dr <sup>7,40,41,a</sup> Ep <sup>a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
07 Cw – Devil's club	Bg Cw Fd		Hw	Act <sup>41,a</sup> Bp <sup>13,23</sup> Dr <sup>40,41,a</sup> Ep <sup>a</sup> Mb <sup>17,41,a</sup>	900	500	400	3	8	11	150
08 Ss – Salmonberry	Bg Cw Ss <sup>35</sup>			Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>a</sup> Mb <sup>17,41,a</sup>	900	500	400	3	8	11	150
09 Act – Red-osier dogwood		Bg <sup>1</sup> Cw <sup>1</sup>		Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>a</sup> Mb <sup>17,41,a</sup>	900	500	400	3	8	11	150
10 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
11* PI – Sphagnum	PI <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
12 CwSs – Skunk cabbage	Cw <sup>1</sup>		PI <sup>7</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging  
 1 elevated microsites are preferred  
 7 restricted to nutrient-medium sites  
 13 restricted to upper elevations of biogeoclimatic unit  
 17 restricted to western portion of biogeoclimatic unit in region  
 23 restricted to trial use  
 35 risk of weevil damage  
 40 risk of redheart  
 41 limited by poorly drained soils  
 a productive, reliable, and feasible regeneration option  
 b limited in productivity, reliability, and/or feasibility

Free Growing Height Criteria (m)															
Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04 05 06	–	2.0	2.25	–	1.0	–	–	1.0	1.25	–	1.0	1.5	2.5	1.25	–
02 11 12	–	1.25	1.5	–	–	–	–	–	–	–	–	1.0	–	–	–
03	–	1.25	1.5	–	–	–	–	–	–	–	0.8	1.0	–	1.0	–
07	–	–	3.0	–	–	2.0	–	1.5	–	–	1.25	2.0	–	–	–
08	–	–	3.0	3.0	–	2.0	–	1.5	–	–	–	2.0	–	–	–
09	–	–	3.0	–	–	2.0	–	1.5	–	–	–	2.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHds2 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwFd – Cat's-tail moss	Fd	Hw <sup>24</sup>	Cw	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>a</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
02* FdPI – Kinnikinnick	PI		Fd <sup>52</sup>		400	200	200	3	8	11	150
03 FdHw – Falsebox	Fd	PI	Cw Hw	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
04 Fd – Fairybells	Fd	PI	Cw	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>a</sup> Mb <sup>16,17,a</sup>	800	400	400	3	8	11	150
05 Cw – Solomon's seal	Fd		Cw Hw Se <sup>13,18</sup> Ss <sup>35</sup>	Act <sup>42,a</sup> Dr <sup>40,42,a</sup> Ep <sup>b</sup> Mb <sup>16,17,a</sup>	900	500	400	3	8	11	150
06 Hw – Queen's cup	Cw Hw	Fd		Act <sup>b</sup> Dr <sup>7,40,41,a</sup> Ep <sup>a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150

\* avoid logging

7 restricted to nutrient-medium sites

13 restricted to upper elevations of biogeoclimatic unit

16 restricted to southern portion of biogeoclimatic unit in region

17 restricted to western portion of biogeoclimatic unit in region

18 restricted to eastern portion of biogeoclimatic unit in region

24 major species in wetter portion of biogeoclimatic unit

35 risk of weevil damage

40 risk of redheart

41 limited by poorly drained soils

42 restricted to fresh soil moisture regimes

52 restricted to sheltered microsites with deep soil

a productive, reliable, and feasible regeneration

option

b limited in productivity, reliability, and/or feasibility

Continued next page

Free Growing Height Criteria (m)															
Site series	Bl	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03 04 05 06	–	2.0	2.25	2.0	1.0	–	–	–	–	–	1.0	1.5	–	–	–
02	–	1.25	1.5	1.0	–	–	–	–	–	–	–	1.0	–	–	–
07	–	–	3.0	3.0	–	–	–	–	–	–	1.25	2.0	–	–	–
08 09	–	–	3.0	3.0	–	–	–	–	–	–	–	2.0	–	–	–
11 12	–	1.25	–	1.0	–	–	–	–	–	–	–	1.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHds2 — Vancouver (continued)

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
07 Cw – Devil's club	Cw Fd	Ss <sup>35</sup>	Hw	Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>a</sup> Mb <sup>16,17,41,a</sup>	900	500	400	3	8	11	150
08 Ss – Salmonberry	Cw		Ss <sup>35</sup>	Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>a</sup> Mb <sup>16,17,41,a</sup>	900	500	400	3	8	11	150
09 Act – Red-osier dogwood		Cw <sup>1</sup>	Ss <sup>1,35</sup>	Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>b</sup> Mb <sup>16,17,41,a</sup>	900	500	400	3	8	11	150
10 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
11* Pl – Sphagnum	Pl <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
12 CwSs – Skunk cabbage	Cw <sup>1</sup>		Ss <sup>1,35</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

16 restricted to southern portion of biogeoclimatic unit in region

17 restricted to western portion of biogeoclimatic unit in region

35 risk of weevil damage

40 risk of redheart

41 limited by poorly drained soils

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

#### Free Growing Height Criteria (m)

Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03 04 05 06	–	2.0	2.25	2.0	1.0	–	–	–	–	–	1.0	1.5	–	–	–
02	–	1.25	1.5	1.0	–	–	–	–	–	–	–	1.0	–	–	–
07	–	–	3.0	3.0	–	–	–	–	–	–	1.25	2.0	–	–	–
08 09	–	–	3.0	3.0	–	–	–	–	–	–	–	2.0	–	–	–
11 12	–	1.25	–	1.0	–	–	–	–	–	–	–	1.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards

MSS – minimum stocking standards

pa – preferred and acceptable

p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).





## CWHmm1 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwBa – Pipecleaner moss	Fd	Cw Hw <sup>10</sup>		Act <sup>b</sup> Dr <sup>7,a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
02 FdHw – Salal	PI	Fd	Cw	Mb <sup>b</sup>	800	400	400	6	11	14	150
03 HwCw – Salal	Fd		Cw Hw	Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
04 CwHw – Sword fern	Fd		Cw Hw Pw <sup>31</sup>	Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>a</sup>	900	500	400	3	8	11	150
05 BaCw – Foamflower	Fd Cw		Ba Hw Pw <sup>31</sup>	Act <sup>a</sup> Dr <sup>a</sup> Mb <sup>a</sup>	900	500	400	3	8	11	150

<sup>7</sup> restricted to nutrient-medium sites

<sup>10</sup> restricted to northerly aspects

<sup>31</sup> risk of white pine blister rust

<sup>a</sup> productive, reliable, and feasible regeneration option

<sup>b</sup> limited in productivity, reliability, and/or feasibility

Continued next page

Free Growing Height Criteria (m)															
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 05 06	–	–	3.0	–	–	–	0.75	–	–	–	2.0	1.5	2.5	–	–
02 11 12	–	1.25	2.0	2.0	–	–	–	–	1.5	–	–	1.0	2.5	–	–
03 04	–	1.25	2.0	2.0	–	–	–	–	1.5	–	1.75	1.0	2.5	–	–
07 09	–	–	4.0	–	–	–	1.0	–	–	–	2.5	2.0	–	–	–
08	–	–	4.0	4.0	–	–	1.0	–	–	–	2.5	2.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



**CWHmm1 — Vancouver** (continued)

**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
06 HwBa – Deer fern	Cw Hw		Ba Fd <sup>7</sup>	Act <sup>b</sup> Dr <sup>7,41,a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
07 BaCw – Salmonberry	Cw Fd		Ba <sup>47</sup> Hw	Act <sup>41,a</sup> Dr <sup>33,41,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
08 Ss – Salmonberry	Ba Cw Ss <sup>35</sup>			Act <sup>41,a</sup> Dr <sup>33,41,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
09 Act – Red-osier dogwood		Ba <sup>1</sup> Cw <sup>1</sup>		Act <sup>41,a</sup> Dr <sup>33,41,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
10 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
11* PI – Sphagnum	PI <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
12 CwSs – Skunk cabbage	Cw <sup>1</sup>		Hw <sup>1</sup> Ss <sup>1</sup>	Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

7 restricted to nutrient-medium sites

35 risk of weevil damage

41 limited by poorly drained soils

47 risk of balsam woolly adelgid

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

**Free Growing Height Criteria (m)**

Site series	Bl	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 05 06	–	–	3.0	–	–	–	0.75	–	–	–	2.0	1.5	2.5	–	–
02 11 12	–	1.25	2.0	2.0	–	–	–	–	1.5	–	–	1.0	2.5	–	–
03 04	–	1.25	2.0	2.0	–	–	–	–	1.5	–	1.75	1.0	2.5	–	–
07 09	–	–	4.0	–	–	–	1.0	–	–	–	2.5	2.0	–	–	–
08	–	–	4.0	4.0	–	–	1.0	–	–	–	2.5	2.0	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards

MSS – minimum stocking standards

pa – preferred and acceptable

p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).

## CWHmm2 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwBa – Pipecleaner moss	Hm <sup>13</sup> Hw	Ba Cw Fd <sup>9</sup> Yc	Se <sup>23</sup>		900	500	400	6	11	14	150
02 FdHw – Salal	Pl	Fd	Cw		800	400	400	6	11	14	150
03 HwCw – Salal	Fd Hm <sup>13</sup> Hw	Se <sup>23</sup>	Cw Yc		800	400	400	3	8	11	150
04 CwHw – Sword fern	Fd	Se <sup>23</sup>	Cw Hw Pw <sup>31</sup> Yc		900	500	400	3	8	11	150
05 BaCw – Foamflower	Ba Cw	Bp <sup>23</sup> Fd <sup>9</sup> Hw Yc	Se <sup>23</sup> Pw <sup>31</sup>		900	500	400	3	8	11	150
06 HwBa – Deer fern	Cw Hm <sup>13</sup> Hw	Ba Yc	Fd <sup>14</sup>		900	500	400	6	11	14	150

9 restricted to southerly aspects

13 restricted to upper elevations of biogeoclimatic unit

14 restricted to lower elevations of biogeoclimatic unit

23 restricted to trial use

31 risk white pine of blister rust

Continued next page

Free Growing Height Criteria (m)															
Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01	–	–	2.25	–	0.75	–	0.75	1.0	–	1.0	1.25	1.0	2.5	–	1.0
02 04 09 10	–	1.25	1.5	–	0.5	–	–	–	1.0	–	1.0	0.75	2.5	–	0.75
03	–	1.25	1.5	–	0.5	–	–	–	1.0	0.75	1.0	0.75	2.5	–	0.75
05	–	–	2.25	–	0.75	–	0.75	1.0	–	–	1.25	1.0	2.5	–	1.0
06	–	–	2.25	–	0.75	–	0.75	1.0	–	1.25	1.25	1.0	2.5	–	1.0
07	–	1.25	1.5	–	0.5	–	0.75	–	1.0	0.75	1.0	0.75	2.5	–	0.75
08	–	–	3.0	–	–	–	1.0	–	–	–	1.75	1.25	–	–	1.25

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHmm2 — Vancouver (continued)

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
07 CwYc – Goldthread	Ba Cw <sup>1</sup> Hm <sup>13</sup> Hw		Yc <sup>1</sup>		800	400	400	3	8	11	150
08 BaCw – Salmonberry	Ba Cw	Hw <sup>2</sup> Yc	Fd <sup>9</sup>		900	500	400	3	8	11	150
09* Pl – Sphagnum	Pl <sup>1</sup>		Yc <sup>1</sup>		400	200	200	3	8	11	150
10 CwYc – Skunk cabbage	Cw <sup>1</sup>		Hw <sup>1</sup> Pw <sup>31</sup> Yc <sup>1</sup>		800	400	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

2 suitable on thick forest floors

9 restricted to southerly aspects

13 restricted to upper elevations of biogeoclimatic unit

31 risk white pine of blister rust

Free Growing Height Criteria (m)															
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01	–	–	2.25	–	0.75	–	0.75	1.0	–	1.0	1.25	1.0	2.5	–	1.0
02 04 09 10	–	1.25	1.5	–	0.5	–	–	–	1.0	–	1.0	0.75	2.5	–	0.75
03	–	1.25	1.5	–	0.5	–	–	–	1.0	0.75	1.0	0.75	2.5	–	0.75
05	–	–	2.25	–	0.75	–	0.75	1.0	–	–	1.25	1.0	2.5	–	1.0
06	–	–	2.25	–	0.75	–	0.75	1.0	–	1.25	1.25	1.0	2.5	–	1.0
07	–	1.25	1.5	–	0.5	–	0.75	–	1.0	0.75	1.0	0.75	2.5	–	0.75
08	–	–	3.0	–	–	–	1.0	–	–	–	1.75	1.25	–	–	1.25

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards

MSS – minimum stocking standards

pa – preferred and acceptable

p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).

## CWHms1 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwBa – Step moss	Cw Ba <sup>10,13</sup> Fd Hw <sup>10,13</sup>	Se <sup>13,18</sup>	Bp <sup>7,23</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
02* FdPI – Kinnikinnick	PI	Fd		Ep <sup>b</sup>	400	200	200	3	8	11	150
03 FdHw – Falsebox	Cw Fd	Se <sup>13,18</sup>	Hw	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
04 BaCw – Oak fern	Ba <sup>10,13</sup> Cw Fd	Hw <sup>10,13</sup> Se <sup>13,18</sup> Yc <sup>13,17</sup>	Bp <sup>23</sup> Pw <sup>31</sup>	Act <sup>42,a</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
05 HwBa – Queen's cup	Cw Hw	Ba <sup>10,13</sup> Yc <sup>13,17</sup>		Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150

\* avoid logging

7 restricted to nutrient-medium sites

10 restricted to northerly aspects

13 restricted to upper elevations of biogeoclimatic unit

17 restricted to western portion of biogeoclimatic unit in region

18 restricted to eastern portion of biogeoclimatic unit in region

23 restricted to trial use

31 risk of white pine blister rust

42 restricted to fresh soil moisture regimes

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

Free Growing Height Criteria (m)															
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03 05	–	–	2.25	–	1.0	–	0.75	1.0	1.5	–	1.5	1.5	–	–	1.5
02 10	–	1.25	1.5	–	0.75	–	–	–	–	–	–	1.0	2.5	–	1.0
04 06 08	–	–	3.0	–	1.25	2.5	1.0	1.25	2.0	–	2.0	2.0	2.5	–	2.0
07	–	–	3.0	4.0	1.25	2.5	1.0	1.25	2.0	–	2.0	2.0	2.5	–	2.0
11	–	1.25	1.5	2.0	0.75	–	–	–	–	–	–	1.0	2.5	–	1.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



**CWHms1 — Vancouver** (continued) Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
06 BaCw – Devil's club	Cw Fd	Ba <sup>13</sup> Bg <sup>14,17</sup> Se <sup>13</sup> Yc <sup>13,17</sup>	Bp <sup>23</sup> Hw	Act <sup>41,a</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
07 Ss – Salmonberry	Ba Cw Ss <sup>35</sup>		Fd Se <sup>18</sup>	Act <sup>41,a</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
08 Act – Red-osier dogwood		Ba <sup>1</sup> Cw <sup>1</sup>		Act <sup>41,a</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
09 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
10* PI – Sphagnum	PI <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
11 CwSs – Skunk cabbage	Cw <sup>1</sup>	Yc <sup>13,17</sup>	Pw <sup>31</sup> Se <sup>1</sup> Ss <sup>1</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging  
 1 elevated microsites are preferred  
 13 restricted to upper elevations of biogeoclimatic unit  
 14 restricted to lower elevations of biogeoclimatic unit  
 17 restricted to western portion of biogeoclimatic unit in region  
 18 restricted to eastern portion of biogeoclimatic unit in region  
 23 restricted to trial use  
 31 risk of white pine blister rust  
 35 risk of weevil damage  
 41 limited by poorly drained soils  
 a productive, reliable, and feasible regeneration option  
 b limited in productivity, reliability, and/or feasibility

Site series	Bl	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03 05	–	–	2.25	–	1.0	–	0.75	1.0	1.5	–	1.5	1.5	–	–	1.5
02 10	–	1.25	1.5	–	0.75	–	–	–	–	–	–	1.0	2.5	–	1.0
04 06 08	–	–	3.0	–	1.25	2.5	1.0	1.25	2.0	–	2.0	2.0	2.5	–	2.0
07	–	–	3.0	4.0	1.25	2.5	1.0	1.25	2.0	–	2.0	2.0	2.5	–	2.0
11	–	1.25	1.5	2.0	0.75	–	–	–	–	–	–	1.0	2.5	–	1.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines  
<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHms2 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwBa – Step moss	Ba <sup>10</sup> Fd	Cw Hw <sup>10</sup>		Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
02* FdPI – Kinnikinnick	PI	Fd		Ep <sup>b</sup>	400	200	200	3	8	11	150
03 FdHw – Falsebox	Fd	PI	Cw Hw	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
04 BaCw – Oak fern	Ba <sup>10,13</sup> Fd Hw <sup>10</sup>		Cw Se <sup>13,18</sup> Ss <sup>17,35</sup>	Act <sup>42,a</sup> Dr <sup>40,42,a</sup> Ep <sup>b</sup> Mb <sup>16,17,a</sup>	900	500	400	3	8	11	150
05 HwBa – Queen's cup	Hw	Ba <sup>10,13</sup>	Bl <sup>13,18</sup> Cw Ss <sup>35,46</sup>	Act <sup>b</sup> Dr <sup>7,40,41,42,a</sup> Ep <sup>b</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150

\* avoid logging

7 restricted to nutrient-medium sites

10 restricted to northerly aspects

13 restricted to upper elevations of biogeoclimatic unit

16 restricted to southern portion of biogeoclimatic unit in region

17 restricted to western portion of biogeoclimatic unit in region

18 restricted to eastern portion of biogeoclimatic unit in region

35 risk of weevil damage

40 risk of redheart

41 limited by poorly drained soils

42 restricted to fresh soil moisture regimes

46 restricted to areas north of the Dean Channel

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

## Free Growing Height Criteria (m)

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03	–	1.0	2.25	–	–	–	0.75	–	–	–	1.0	1.0	–	–	–
02 10	–	1.25	1.5	2.0	–	–	–	–	–	–	–	0.75	–	–	–
04 06 07 08	–	–	3.0	4.0	1.25	–	1.0	–	–	–	1.25	1.25	–	–	–
05	0.75	1.0	2.25	3.0	–	–	0.75	–	–	–	1.0	1.0	–	–	–
11	–	1.25	1.5	2.0	–	–	–	–	–	–	0.75	0.75	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHms2 — Vancouver (continued)

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
06 BaCw – Devil's club	Ba <sup>10,13</sup> Cw Fd		Hw Se <sup>13,18</sup> Ss <sup>17,35</sup>	Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>b</sup> Mb <sup>16,17,41,a</sup>	900	500	400	3	8	11	150
07 Ss – Salmonberry	Ba Cw		Se <sup>18</sup> Ss <sup>17,35</sup>	Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>b</sup> Mb <sup>16,41,a</sup>	900	500	400	3	8	11	150
08 Act – Red-osier dogwood		Ba <sup>1</sup> Cw <sup>1</sup>		Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>b</sup> Mb <sup>7,16,17,41,a</sup>	900	500	400	3	8	11	150
09 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
10* Pl – Sphagnum	Pl <sup>1</sup>		Cw <sup>1</sup>	Ep <sup>b</sup>	400	200	200	3	8	11	150
11 CwSs – Skunk cabbage	Cw <sup>1</sup>		Hw <sup>1</sup> Ss <sup>1,35</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

7 restricted to nutrient-medium sites

10 restricted to northerly aspects

13 restricted to upper elevations of biogeoclimatic unit

16 restricted to southern portion of biogeoclimatic unit in region

17 restricted to western portion of biogeoclimatic unit in region

18 restricted to eastern portion of biogeoclimatic unit in region

35 risk of weevil damage

40 risk of redheart

41 limited by poorly drained soils

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

#### Free Growing Height Criteria (m)

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03	–	1.0	2.25	–	–	–	0.75	–	–	–	1.0	1.0	–	–	–
02 10	–	1.25	1.5	2.0	–	–	–	–	–	–	–	0.75	–	–	–
04 06 07 08	–	–	3.0	4.0	1.25	–	1.0	–	–	–	1.25	1.25	–	–	–
05	0.75	1.0	2.25	3.0	–	–	0.75	–	–	–	1.0	1.0	–	–	–
11	–	1.25	1.5	2.0	–	–	–	–	–	–	0.75	0.75	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards

MSS – minimum stocking standards

pa – preferred and acceptable

p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).

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## CWHvh1 — Vancouver

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 CwHw – Salal	Cw Hw Yc	Pl <sup>6</sup>	Ba <sup>7</sup> Ss <sup>7,35</sup>	Dr <sup>b</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
02* PIYc – Rhacomitrium	Pl	Cw Yc	Hw	Dr <sup>b</sup>	400	200	200	3	8	11	150
03 CwYc – Salal	Cw Hw Pl Yc			Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	6	11	14	150
04 HwSs – Lanky moss	Ba Hw	Cw Ss <sup>35</sup>		Dr <sup>b</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
05 CwSs – Sword fern	Ba Cw Yc	Hw <sup>2</sup> Ss <sup>35</sup>		Dr <sup>39,a</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
06 CwSs – Foamflower	Ba Cw Yc	Hw <sup>2</sup> Ss <sup>35</sup>		Dr <sup>39,a</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
07 CwSs – Devil's club	Ba Cw	Hw <sup>2</sup> Ss <sup>35</sup>		Dr <sup>39,41,a</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
08 Ss – Lily-of-the-valley	Cw Ss	Ba	Hw	Dr <sup>39,41,a</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150
09 Ss – Trisetum	Ss <sup>1</sup>	Ba <sup>1</sup> Cw <sup>1</sup>	Hw <sup>1</sup>	Dr <sup>39,41,a</sup> Mb <sup>b</sup>	900	500	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

2 suitable on thick forest floors

6 suitable on nutrient-very-poor sites

7 restricted to nutrient-medium sites

35 risk of weevil damage

39 limited by windy sites

41 limited by poorly drained soils

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

Free Growing Height Criteria (m)															
Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01	-	1.5	-	3.0	-	-	1.75	-	-	-	2.0	1.5	-	-	1.5
02 03 11 12 13 14 17 18	-	1.25	-	2.0	-	-	-	-	-	-	1.25	1.0	-	-	1.0
04 07 08 09 10	-	-	-	4.0	-	-	2.25	-	-	-	1.75	2.0	-	-	-
05 06	-	-	-	4.0	-	-	2.25	-	-	-	1.75	2.0	-	-	2.0
15 16	-	1.5	-	3.0	-	-	1.75	-	-	-	2.0	1.5	-	-	-

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



### CWHvh1 — Vancouver (continued)

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
10 Dr – Lily-of-the-valley	no conifers			Dr <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
11 CwYc – Goldthread	Cw <sup>1</sup> Hw <sup>1</sup> Pl <sup>6</sup> Yc <sup>1</sup>			Dr <sup>b</sup>	800	400	400	3	8	11	150
12* PIYc – Sphagnum	Pl <sup>1</sup>	Cw Yc			400	200	200	3	8	11	150
13 CwSs – Skunk cabbage	Cw <sup>1</sup> Yc		Hw <sup>1</sup> Pl <sup>7</sup> Ss <sup>1</sup>	Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
14* Ss – Salal	Ss		Cw Hw Pl	Dr <sup>b</sup>	400	200	200	3	8	11	150
15 Ss – Kindbergia	Ss		Cw Hw	Dr <sup>b</sup>	900	500	400	3	8	11	150
16* Ss – Reedgrass	Ss		Cw Hw Pl	Dr <sup>b</sup>	400	200	200	3	8	11	150
17 Ss – Sword fern	Ss	Cw Hw		Dr <sup>b</sup>	900	500	400	3	8	11	150
18* Ss – Slough sedge	Cw <sup>1</sup> Ss <sup>1</sup>				400	200	200	3	8	11	150
19* Ss – Pacific crab apple	Ss <sup>1</sup>				400	200	200	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

6 suitable on nutrient-very-poor sites

7 restricted to nutrient-medium sites

b limited in productivity, reliability, and/or feasibility

Free Growing Height Criteria (m)	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01	–	1.5	–	3.0	–	–	1.75	–	–	–	2.0	1.5	–	–	1.5
02 03 11 12 13 14 17 18	–	1.25	–	2.0	–	–	–	–	–	–	1.25	1.0	–	–	1.0
04 07 08 09 10	–	–	–	4.0	–	–	2.25	–	–	–	1.75	2.0	–	–	–
05 06	–	–	–	4.0	–	–	2.25	–	–	–	1.75	2.0	–	–	2.0
15 16	–	1.5	–	3.0	–	–	1.75	–	–	–	2.0	1.5	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards

MSS – minimum stocking standards

pa – preferred and acceptable

p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).

## CWHvh2 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>++</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 CwHw – Salal	Cw Hw	Pl Yc	Ba <sup>7,19</sup> Ss <sup>7</sup>	Dr <sup>b</sup>	900	500	400	6	11	14	150
02* PIYc – Rhacomitrium	Pl	Cw Yc	Hw <sup>53</sup>	Dr <sup>b</sup>	400	200	200	3	8	11	150
03 CwYc – Salal	Cw Hw Pl Yc		Ss <sup>7,53</sup>	Dr <sup>b</sup>	800	400	400	6	11	14	150
04 HwSs – Lanky moss	Ba <sup>19</sup> Hw Ss	Cw	Yc	Dr <sup>b</sup>	900	500	400	6	11	14	150
05 CwSs – Sword fern	Ba <sup>19</sup> Cw Ss	Hw <sup>2</sup>	Yc	Dr <sup>39,a</sup>	900	500	400	3	8	11	150
06 CwSs – Foamflower	Ba <sup>19</sup> Cw Ss	Hw <sup>2</sup>	Yc	Dr <sup>39,a</sup>	900	500	400	3	8	11	150
07 CwSs – Devil's club	Ba <sup>19</sup> Cw Ss	Hw <sup>2</sup>	Yc	Dr <sup>39,41,a</sup>	900	500	400	3	8	11	150
08 Ss – Lily-of-the-valley	Cw Ss	Ba <sup>19</sup> Hw		Dr <sup>39,41,a</sup>	900	500	400	3	8	11	150
09 Ss – Trisetum	Ss <sup>1</sup>	Ba <sup>19</sup> Cw <sup>1</sup>	Hw <sup>1</sup>	Dr <sup>39,41,a</sup>	900	500	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

2 suitable on thick forest floors

7 restricted to nutrient-medium sites

19 restricted, not in Queen Charlotte Islands

39 limited by windy sites

41 limited by poorly drained soils

53 minor component

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

Free Growing Height Criteria (m)															
Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 15 16	–	1.5	–	3.0	–	–	1.75	–	–	–	2.0	1.5	–	–	1.5
02 03 11 12 13 14 18	–	1.25	–	2.0	–	–	–	–	–	–	1.25	1.0	–	–	1.0
04 05 06 07 08 09	–	–	–	4.0	–	–	2.25	–	–	–	1.75	2.0	–	–	2.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>++</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



**CWHvh2 — Vancouver** (continued)

**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
10 Dr – Lily-of-the-valley	no conifers			Dr <sup>b</sup>	–	–	–	–	–	–	–
11 CwYc – Goldthread	Cw <sup>1</sup> Hw <sup>1</sup> Yc <sup>1</sup>	Pl <sup>1</sup>		Dr <sup>b</sup>	800	400	400	3	8	11	150
12* PIYc – Sphagnum	Cw <sup>1</sup> Pl <sup>1</sup> Yc <sup>1</sup>				400	200	200	3	8	11	150
13 CwSs – Skunk cabbage	Cw <sup>1</sup> Yc <sup>1</sup>		Hw <sup>1</sup> Pl <sup>53</sup> Ss <sup>1</sup>	Dr <sup>b</sup>	800	400	400	3	8	11	150
14* Ss – Salal	Ss		Cw Hw Pl	Dr <sup>b</sup>	400	200	200	3	8	11	150
15 Ss – Kindbergia	Ss		Cw Hw	Dr <sup>b</sup>	900	500	400	3	8	11	150
16* Ss – Reedgrass	Ss		Cw Hw Pl	Dr <sup>b</sup>	400	200	200	3	8	11	150
17 Ss – Sword fern	Ss	Cw Hw		Dr <sup>b</sup>	900	500	400	3	8	11	150
18* Ss – Slough sedge	Cw <sup>1</sup> Ss <sup>1</sup>				400	200	200	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

<sup>53</sup> minor component

<sup>b</sup> limited in productivity, reliability, and/or feasibility

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 15 16	–	1.5	–	3.0	–	–	1.75	–	–	–	2.0	1.5	–	–	1.5
02 03 11 12 13 14 18	–	1.25	–	2.0	–	–	–	–	–	–	1.25	1.0	–	–	1.0
04 05 06 07 08 09	–	–	–	4.0	–	–	2.25	–	–	–	1.75	2.0	–	–	2.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards

MSS – minimum stocking standards

pa – preferred and acceptable

p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHv1 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>++</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwBa – Blueberry	Ba <sup>26</sup> Cw Hw	Fd <sup>9,16</sup>	Ss <sup>7,35</sup>	Act <sup>b</sup> Dr <sup>7,25,a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
02* HwPI – Cladina	PI	Cw Fd <sup>9,16</sup> Hw			400	200	200	3	8	11	150
03 HwCw – Salal	Cw Hw	Fd <sup>9,16</sup> Pl <sup>53</sup>		Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	6	11	14	150
04 CwHw – Sword fern	Cw Hw	Fd <sup>9,16</sup>	Ba Ss <sup>15,35</sup>	Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>16,a</sup>	900	500	400	3	8	11	150
05 BaCw – Foamflower	Ba Cw	Fd <sup>9,16</sup> Hw Ss <sup>35</sup>		Act <sup>a</sup> Dr <sup>a</sup> Mb <sup>16,a</sup>	900	500	400	3	8	11	150
06 HwBa – Deer fern	Ba <sup>26</sup> Cw Hw		Ss <sup>7,35</sup>	Act <sup>b</sup> Dr <sup>7,25,41,a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150

\* avoid logging

7 restricted to nutrient-medium sites

9 restricted to southerly aspects

15 restricted to northern portion of biogeoclimatic unit of region

16 restricted to southern portion of biogeoclimatic unit in region

25 suitable on sites lacking salal

26 suitable minor species on salal-dominated sites

35 risk of weevil damage

41 limited by poorly drained soils

53 minor component

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

Free Growing Height Criteria (m)															
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04 05 06	–	–	3.0	3.0	–	–	1.75	–	–	–	3.0	1.5	–	–	–
02 03 12 13	–	1.25	2.0	–	–	–	–	–	–	–	2.0	1.0	–	–	–
07	–	–	4.0	4.0	–	–	2.25	–	–	–	4.0	2.0	–	–	–
08 09 10	–	–	–	4.0	–	–	2.25	–	–	–	4.0	2.0	–	–	–
14	–	2.0	3.0	3.0	–	–	1.75	–	–	–	3.0	1.5	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>++</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



**CWHvm1 — Vancouver** (continued)

**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
07 BaCw – Salmonberry	Ba Cw Fd <sup>1,9,23</sup>	Hw <sup>2</sup> Ss <sup>35</sup>		Act <sup>41,a</sup> Dr <sup>41,a</sup> Mb <sup>16,41,a</sup>	900	500	400	3	8	11	150
08 BaSs – Devil's club	Ba Cw	Hw <sup>2</sup> Ss <sup>35</sup>		Act <sup>41,a</sup> Dr <sup>41,a</sup>	900	500	400	3	8	11	150
09 Ss – Salmonberry	Ba Cw	Hw	Ss <sup>35</sup>	Act <sup>41,a</sup> Dr <sup>41,a</sup> Mb <sup>16,41,a</sup>	900	500	400	3	8	11	150
10 Act – Red-osier dogwood		Ba <sup>1</sup> Cw <sup>1</sup>	Ss <sup>1,35</sup>	Act <sup>41,a</sup> Dr <sup>41,a</sup> Mb <sup>16,41,a</sup>	900	500	400	3	8	11	150
11 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
12 CwYc – Goldthread (rare)	Cw <sup>1</sup> Hw <sup>1</sup> Yc <sup>1</sup>	PI <sup>1</sup>	Hm <sup>1</sup>	Dr <sup>b</sup>	800	400	400	3	8	11	150
13* PI – Sphagnum	PI <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
14 CwSs – Skunk cabbage	Cw <sup>1</sup>		Hw <sup>1</sup> PI <sup>53</sup> Ss <sup>1,35</sup>	Act <sup>b</sup> Dr <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging  
 1 elevated microsites are preferred  
 2 suitable on thick forest floors  
 9 restricted to southerly aspects  
 16 restricted to southern portion of biogeoclimatic unit in region  
 23 restricted to trial use  
 35 risk of weevil damage  
 41 limited by poorly drained soils  
 53 minor component  
 a productive, reliable, and feasible regeneration option  
 b limited in productivity, reliability, and/or feasibility

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04 05 06	–	–	3.0	3.0	–	–	1.75	–	–	–	3.0	1.5	–	–	–
02 03 12 13	–	1.25	2.0	–	–	–	–	–	–	–	2.0	1.0	–	–	–
07	–	–	4.0	4.0	–	–	2.25	–	–	–	4.0	2.0	–	–	–
08 09 10	–	–	–	4.0	–	–	2.25	–	–	–	4.0	2.0	–	–	–
14	–	2.0	3.0	3.0	–	–	1.75	–	–	–	3.0	1.5	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines  
<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHvm2 — Vancouver

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwBa – Blueberry	Ba Fd <sup>1,9,23</sup> Hw	Cw Ss <sup>7,15,35</sup> Yc	Hm <sup>13</sup>		900	500	400	6	11	14	150
02* HwPl – Cladina	Pl	Cw Fd <sup>9,16</sup> Hw Yc	Hm <sup>13</sup>		400	200	200	3	8	11	150
03 HwCw – Salal	Cw Hw	Fd <sup>9,16</sup> Yc	Hm <sup>13</sup> Pl <sup>53</sup> Pw <sup>16,31</sup>		800	400	400	6	11	14	150
04 CwHw – Sword fern	Cw Hw	Ba Fd <sup>9,16</sup> Yc	Pw <sup>16</sup> Ss <sup>35</sup> Hm <sup>13</sup>		900	500	400	6	11	14	150
05 BaCw – Foamflower	Ba Cw Fd <sup>1,9,23</sup>	Hw Ss <sup>15,35</sup> Yc	Hm <sup>13</sup>		900	500	400	3	8	11	150

* avoid logging	13 restricted to upper elevations of biogeoclimatic unit	31 risk of white pine blister rust
1 elevated microsites are preferred	15 restricted to northern portion of biogeoclimatic unit in region	35 risk of weevil damage
7 restricted to nutrient-medium sites	16 restricted to southern portion of biogeoclimatic unit in region	53 minor component
9 restricted to southerly aspects	23 restricted to trial use	

Continued next page

Free Growing Height Criteria (m)															
Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 05 06	–	–	2.25	3.0	–	–	1.75	–	–	1.0	2.5	1.5	–	–	1.5
02 03 04 09 10 11	–	1.25	1.5	2.0	–	–	1.5	–	–	0.75	1.75	1.0	2.5	–	1.0
07	–	–	3.0	4.0	–	–	2.25	–	–	1.0	3.5	2.0	–	–	2.0
08	–	–	–	4.0	–	–	2.25	–	–	1.0	3.5	2.0	–	–	2.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHvm2 — Vancouver (continued)

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
06 HwBa – Deer fern	Ba Cw Fd <sup>1,9,23</sup> Hw	Yc	Hm <sup>13</sup> Ss <sup>7</sup>		900	500	400	6	11	14	150
07 BaCw – Salmonberry	Ba Cw Fd <sup>1,9,23</sup>	Hw <sup>2</sup> Ss <sup>15,35</sup> Yc	Hm <sup>13</sup>		900	500	400	3	8	11	150
08 BaSs – Devil's club	Ba Cw <sup>14</sup>	Hw <sup>2,30</sup> Ss <sup>30,35</sup> Yc	Hm <sup>13</sup>		900	500	400	3	8	11	150
09 CwYc – Goldthread	Ba Cw <sup>1</sup> Hw <sup>1</sup> Yc <sup>1</sup>	Hm <sup>13</sup>	Pl <sup>1</sup>		800	400	400	3	8	11	150
10* Pl – Sphagnum	Pl <sup>1</sup> Yc <sup>1</sup>	Hm			400	200	200	3	8	11	150
11 CwYc – Skunk cabbage	Cw <sup>1</sup> Yc <sup>1</sup>		Hm <sup>13,53</sup> Hw <sup>1</sup> Ss <sup>1,15,35</sup>		800	400	400	3	8	11	150

\* avoid logging

- 1 elevated microsites are preferred
- 2 suitable on thick forest floors
- 7 restricted to nutrient-medium sites

9 restricted to southerly aspects

- 13 restricted to upper elevations of biogeoclimatic unit
- 14 restricted to lower elevations of biogeoclimatic unit
- 15 restricted to northern portion of biogeoclimatic unit in region

23 restricted to trial use

- 30 risk of porcupine damage
- 35 risk of weevil damage
- 53 minor component

#### Free Growing Height Criteria (m)

Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 05 06	–	–	2.25	3.0	–	–	1.75	–	–	1.0	2.5	1.5	–	–	1.5
02 03 04 09 10 11	–	1.25	1.5	2.0	–	–	1.5	–	–	0.75	1.75	1.0	2.5	–	1.0
07	–	–	3.0	4.0	–	–	2.25	–	–	1.0	3.5	2.0	–	–	2.0
08	–	–	–	4.0	–	–	2.25	–	–	1.0	3.5	2.0	–	–	2.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).





## CWHwh1 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwSs – Lanky moss	Hw Ss <sup>26</sup>	Cw <sup>36</sup>		Dr <sup>7,25,48,a</sup>	900	500	400	6	11	14	150
02 CwSs – Salal	Cw Hw		Pl <sup>53</sup> Ss	Dr <sup>b</sup>	900	500	400	6	11	14	150
03 CwSs – Sword fern	Cw Ss Yc <sup>13</sup>	Hw <sup>2</sup>		Dr <sup>48,a</sup>	900	500	400	3	8	11	150
04 CwHw – Salal	Cw Hw Yc <sup>13</sup>		Pl <sup>25</sup> Ss <sup>25</sup>	Dr <sup>7,41,48,a</sup>	900	500	400	6	11	14	150
05 CwSs – Foamflower	Cw Ss	Hw <sup>2</sup>		Dr <sup>48,a</sup>	900	500	400	3	8	11	150
06 CwSs – Conocephalum	Cw <sup>1</sup> Ss <sup>1</sup> Yc <sup>13</sup>	Hw <sup>2</sup>	Hm <sup>13</sup>	Dr <sup>41,48,a</sup>	800	400	400	3	8	11	150
07 Ss – Lily-of-the-valley	Cw Ss		Hw	Dr <sup>41,48,a</sup>	900	500	400	3	8	11	150
08 Ss – Trisetum	Ss <sup>1</sup>	Cw <sup>1</sup>		Dr <sup>41,48,a</sup>	900	500	400	3	8	11	150

1 elevated microsites are preferred

2 suitable on thick forest floors

7 restricted to nutrient-medium sites

13 restricted to upper elevations of biogeoclimatic unit

25 suitable on sites lacking salal

26 suitable minor species on salal-dominated sites

36 major species on salal-dominated sites

41 limited by poorly drained soils

48 risk of heavy browsing by deer

53 minor component

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

## Free Growing Height Criteria (m)

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 14 15 16	–	2.0	–	3.0	–	–	–	–	–	–	2.0	1.5	–	–	–
02 04 11 12 13 17 18	–	1.25	–	2.0	–	–	–	–	–	–	1.25	1.0	–	–	1.0
03	–	–	–	4.0	–	–	–	–	–	–	2.75	2.0	–	–	2.0
05 07 08	–	–	–	4.0	–	–	–	–	–	–	2.75	2.0	–	–	–
06	–	–	–	4.0	–	–	–	–	–	1.25	2.75	2.0	–	–	2.0
10	–	1.25	–	2.0	–	–	–	–	–	0.75	1.25	1.0	–	–	1.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

\* TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred



**CWHwh1 — Vancouver** (continued)

**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)	
09 Dr – Lily-of-the-valley	no conifers			Dr <sup>b</sup>	–	–	–	–	–	–	–
10 CwYc – Goldthread	Cw <sup>1</sup>		Hm <sup>13</sup> Hw <sup>1</sup> Pj <sup>1</sup> Ss <sup>7</sup> Yc <sup>1</sup>	Dr <sup>b</sup>	800	400	400	3	8	11	150
11* PIYc – Sphagnum	PI <sup>1</sup>		Cw <sup>1</sup> Yc <sup>1</sup>		400	200	200	3	8	11	150
12 CwSs – Skunk cabbage	Cw <sup>1</sup>		Hw <sup>1</sup> PI <sup>1</sup> Ss <sup>1</sup> Yc <sup>1</sup>	Dr <sup>b</sup>	800	400	400	3	8	11	150
13* Ss – Salal	Ss		Cw Hw PI	Dr <sup>b</sup>	400	200	200	3	8	11	150
14 Ss – Kindbergia	Ss		Cw Hw	Dr <sup>b</sup>	900	500	400	3	8	11	150
15* Ss – Reedgrass	Ss		Cw Hw PI	Dr <sup>b</sup>	400	200	200	3	8	11	150
16 Ss – Sword fern	Ss	Cw Hw		Dr <sup>b</sup>	900	500	400	3	8	11	150
17* Ss – Slough sedge	Ss <sup>1</sup>		Cw <sup>1</sup> Hw		400	200	200	3	8	11	150
18* Ss – Pacific crab apple	Ss <sup>1</sup>				400	200	200	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

7 restricted to nutrient-medium sites

13 restricted to upper elevations of biogeoclimatic unit

b limited in productivity, reliability, and/or feasibility

**Free Growing Height Criteria (m)**

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 14 15 16	–	2.0	–	3.0	–	–	–	–	–	–	2.0	1.5	–	–	–
02 04 11 12 13 17 18	–	1.25	–	2.0	–	–	–	–	–	–	1.25	1.0	–	–	1.0
03	–	–	–	4.0	–	–	–	–	–	–	2.75	2.0	–	–	2.0
05 07 08	–	–	–	4.0	–	–	–	–	–	–	2.75	2.0	–	–	–
06	–	–	–	4.0	–	–	–	–	–	1.25	2.75	2.0	–	–	2.0
10	–	1.25	–	2.0	–	–	–	–	–	0.75	1.25	1.0	–	–	1.0

<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> **TSS** – target stocking standards    **MSS** – minimum stocking standards    **pa** – preferred and acceptable    **p** – preferred

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## CWHwh2 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwSs – Lanky moss	Hw	Ss <sup>14</sup>	Cw Hm <sup>13</sup> Yc		900	500	400	6	11	14	150
02 CwHw – Salal	Hw Cw Yc		Hm Ss <sup>7,14</sup>		900	500	400	6	11	14	150
03 CwSs – Foamflower	Hw Cw Yc	Ss <sup>14</sup>			900	500	400	3	8	11	150
04 CwSs – Conocephalum	Cw <sup>1</sup> Hw <sup>1</sup> Yc <sup>1</sup>	Ss <sup>1,14</sup>			800	400	400	3	8	11	150
05* CwYc – Goldthread	Yc <sup>1</sup>		Cw <sup>1</sup> Hm <sup>1</sup> Hw <sup>1</sup> Ss <sup>7,14</sup>		400	200	200	6	11	14	150
06 CwSs – Skunk cabbage	Yc <sup>1</sup>		Cw <sup>1</sup> Hw <sup>1</sup> Hm <sup>1</sup> Ss <sup>1</sup>		800	400	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

7 restricted to nutrient-medium sites

13 restricted to upper elevations of biogeoclimatic unit

14 restricted to lower elevations of biogeoclimatic unit

## Free Growing Height Criteria (m)

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 02 03 04	–	–	–	1.5	–	–	–	–	–	1.0	2.0	1.5	–	–	1.5
05 06	–	–	–	1.0	–	–	–	–	–	0.75	1.25	1.0	–	–	1.0

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred



## CWHws2 — Vancouver

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwBa – Bramble	Ba Bl <sup>12</sup> Hw	Cw Pl Sxs <sup>35</sup>	Hm <sup>13,53</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup>	900	500	400	6	11	14	150
02* Pl – Kinnikinnick	Pl		Cw Hw <sup>30</sup>	Ep <sup>b</sup>	600	400	400	6	11	14	150
03 HwPl – Feathermoss	Fd <sup>9,14</sup> Hw Pl	Cw	Hm <sup>13,53</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup>	800	400	400	6	11	14	150
04 BaCw – Oak fern	Ba Bl <sup>12</sup> Cw	Hw Sxs <sup>35</sup>	Hm <sup>13,53</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup>	900	500	400	3	8	11	150
05 HwBa – Queen's cup	Ba Cw Hw	Bl <sup>12</sup>	Sxs <sup>7,35</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup>	900	500	400	6	11	14	150
06 BaCw – Devil's club	Ba Bl <sup>12</sup> Cw	Hw <sup>2</sup> Sxs <sup>35</sup>		Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup>	900	500	400	3	8	11	150
07 Ss – Salmonberry	Ba Cw	Bl <sup>12</sup> Hw Sxs <sup>35</sup>		Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>b</sup>	900	500	400	3	8	11	150

\* avoid logging

2 suitable on thick forest floors

7 restricted to nutrient-medium sites

9 restricted to southerly aspects

12 suitable on cold air drainage sites

13 restricted to upper elevations of biogeoclimatic unit

14 restricted to lower elevations of biogeoclimatic unit

30 risk of porcupine damage

35 risk of weevil damage

40 risk of redheart

41 limited by poorly drained soils

53 minor component

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

#### Free Growing Height Criteria (m)

Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 05	0.75	2.0	1.5	–	0.75	–	0.75	–	–	–	1.0	1.0	–	–	–
02 10 11	–	1.25	–	–	0.6	–	0.75	–	–	–	0.75	0.75	–	–	–
03	0.75	2.0	1.5	–	0.75	–	0.75	–	–	1.0	1.0	1.0	–	–	–
04	1.0	–	–	–	1.0	–	1.0	–	–	1.0	1.25	1.25	–	–	–
06 07 08	1.0	–	–	–	1.0	–	1.0	–	–	–	1.25	1.25	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).

## CWHws2 — Vancouver (continued)

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
08 Act – Red-osier dogwood		Ba <sup>1</sup> Bj <sup>12</sup> Cw <sup>1</sup> Sxs <sup>1,35</sup>		Act <sup>41,a</sup> Dr <sup>40,41,a</sup> Ep <sup>b</sup>	900	500	400	3	8	11	150
09 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup>	–	–	–	–	–	–	–
10* Pl – Sphagnum	Pl <sup>1</sup>		Cw <sup>1</sup>	Ep <sup>b</sup>	400	200	200	3	8	11	150
11 CwSs – Skunk cabbage	Cw <sup>1</sup>	Sxs <sup>1</sup>	Ba <sup>1</sup> Hw <sup>1</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging

1 elevated microsites are preferred

12 suitable on cold air drainage sites

35 risk of weevil damage

40 risk of redheart

41 limited by poorly drained soils

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Free Growing Height Criteria (m)															
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 05	0.75	2.0	1.5	–	0.75	–	0.75	–	–	–	1.0	1.0	–	–	–
02 10 11	–	1.25	–	–	0.6	–	0.75	–	–	–	0.75	0.75	–	–	–
03	0.75	2.0	1.5	–	0.75	–	0.75	–	–	1.0	1.0	1.0	–	–	–
04	1.0	–	–	–	1.0	–	1.0	–	–	1.0	1.25	1.25	–	–	–
06 07 08	1.0	–	–	–	1.0	–	1.0	–	–	–	1.25	1.25	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## CWHxm — Vancouver

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HwFd – Kindbergia	Fd	Hw <sup>24</sup>	Cw Pw <sup>31</sup>	Dr <sup>7,42,a</sup> Mb <sup>b</sup> Ep <sup>18,a</sup> Ra <sup>b</sup>	900	500	400	3	8	11	150
02* FdPI – Cladina	PI	Fd		Qg <sup>b</sup> Ra <sup>a</sup>	400	200	200	3	8	11	150
03 FdHw – Salal	Fd	PI <sup>6</sup>	Cw Hw	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>a</sup> Mb <sup>b</sup> Ra <sup>b</sup>	800	400	400	3	8	11	150
04 Fd – Sword fern	Fd		Cw Pw <sup>31</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>a</sup>	900	500	400	3	8	11	150
05 Cw – Sword fern	Cw Fd		Bg <sup>53</sup> Hw Pw <sup>31</sup>	Act <sup>42,a</sup> Dr <sup>42,a</sup> Ep <sup>18,a</sup> Mb <sup>a</sup>	900	500	400	3	8	11	150
06 HwCw – Deer fern	Cw Hw	Fd <sup>18</sup>	Bg <sup>7</sup>	Act <sup>b</sup> Dr <sup>7,41,a</sup> Ep <sup>18,a</sup> Mb <sup>b</sup>	900	500	400	6	11	14	150
07 Cw – Foamflower	Bg Cw Fd		Hw	Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150

\* avoid logging  
 6 suitable on nutrient-very-poor sites  
 7 restricted to nutrient-medium sites  
 18 restricted to eastern portion of biogeoclimatic unit in region  
 24 suitable as major species in wetter portion of biogeoclimatic unit  
 31 risk of white pine blister rust  
 41 limited by poorly drained soils  
 42 restricted to fresh soil moisture regimes  
 53 minor component  
 a productive, reliable, and feasible regeneration option  
 b limited in productivity, reliability, and/or feasibility

Continued next page

Free Growing Height Criteria (m)															
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04	–	–	3.0	–	–	–	–	–	1.5	–	2.0	1.5	2.5	–	–
02 11 12	–	1.25	2.0	1.5	–	–	–	–	1.5	–	–	1.0	2.5	–	–
03	–	1.25	2.0	1.5	–	–	–	–	1.5	–	1.25	1.0	2.5	–	–
05 07	–	–	4.0	–	–	3.5	–	–	–	–	1.75	2.0	2.5	–	–
06	–	–	3.0	–	–	3.0	–	–	1.5	–	2.0	1.5	2.5	–	–
08	–	–	4.0	4.0	–	3.5	–	–	–	–	–	2.0	2.5	–	–
09 13 14 15	–	–	4.0	–	–	3.5	–	–	–	–	–	2.0	2.5	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



**CWHxm — Vancouver** (continued)

**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
08 Ss – Salmonberry	Bg Cw Ss <sup>35</sup>			Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
09 Act – Red-osier dogwood		Bg <sup>1</sup> Cw <sup>1</sup>		Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
10 Act – Willow	no conifers			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	–	–	–	–	–	–	–
11* PI – Sphagnum	Pl <sup>1</sup>		Cw <sup>1</sup>		400	200	200	3	8	11	150
12 CwSs – Skunk cabbage	Cw <sup>1</sup>		Hw <sup>1</sup> Pw <sup>31</sup> Ss <sup>35</sup>	Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150
13 Cw – Salmonberry	Bg Cw	Fd		Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
14 Cw – Black twinberry	Bg <sup>1</sup> Cw <sup>1</sup>			Act <sup>41,a</sup> Dr <sup>41,a</sup> Ep <sup>18,a</sup> Mb <sup>41,a</sup>	900	500	400	3	8	11	150
15 Cw – Slough sedge	Cw <sup>1</sup>			Act <sup>b</sup> Dr <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	800	400	400	3	8	11	150

\* avoid logging  
 1 elevated microsites are preferred  
 18 restricted to eastern portion of biogeoclimatic unit in region  
 31 risk of white pine blister rust  
 35 risk of weevil damage  
 41 limited by poorly drained soils  
 a productive, reliable, and feasible regeneration option  
 b limited in productivity, reliability, and/or feasibility

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 04	–	–	3.0	–	–	–	–	–	1.5	–	2.0	1.5	2.5	–	–
02 11 12	–	1.25	2.0	1.5	–	–	–	–	1.5	–	–	1.0	2.5	–	–
03	–	1.25	2.0	1.5	–	–	–	–	1.5	–	1.25	1.0	2.5	–	–
05 07	–	–	4.0	–	–	3.5	–	–	–	–	1.75	2.0	2.5	–	–
06	–	–	3.0	–	–	3.0	–	–	1.5	–	2.0	1.5	2.5	–	–
08	–	–	4.0	4.0	–	3.5	–	–	–	–	–	2.0	2.5	–	–
09 13 14 15	–	–	4.0	–	–	3.5	–	–	–	–	–	2.0	2.5	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines  
<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred  
<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## ESSFmw — Vancouver

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 BIBa – Rhododendron	Se	Ba <sup>17</sup> BI	PI		1200	700	600	4	12	20	125
02 BIPI – Juniper – Rhacomitrium	PI	Fd <sup>9,14</sup>	Se		1000	500	400	7	15	20	125
03 FdBI – Falsebox – Pinegrass	PI	Fd <sup>9,14</sup> Se			1000	500	400	7	15	20	125
04 BI – Huckleberry – Falsebox	PI Se	Fd <sup>9,14</sup>	BI		1200	700	600	7	15	20	125
05 BIBa – Azalea – Pipecleaner moss	Se	Ba <sup>17</sup> BI	Hm <sup>17</sup> PI <sup>34</sup>		1200	700	600	4	12	20	125
06 BI – Gooseberry – Valerian	BI Se	Ba <sup>17</sup>	PI <sup>34</sup>		1200	700	600	4	12	20	125
07 BIBa – Oak fern – Lady fern	BI Se	Ba <sup>17</sup>	Cw <sup>14,32</sup> p <sup>34</sup>		1000	500	400	4	12	20	125
08 BI – Gooseberry – Horsetail	BI <sup>1</sup> Se <sup>1</sup>		Cw <sup>14,32</sup> p <sup>34</sup>		1000	500	400	4	12	20	125

<sup>1</sup> elevated microsites are preferred

<sup>9</sup> restricted to southerly aspects

<sup>14</sup> restricted to lower elevations of biogeoclimatic unit

<sup>17</sup> restricted to western portion of biogeoclimatic unit in region (restricted to areas with local natural occurrence for Hm in 05)

<sup>32</sup> limited by growing-season frosts

<sup>34</sup> risk of snow damage

Free Growing Height Criteria (m)																
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc	
01 06	0.75	2.0	–	–	1.0	–	0.6	–	–	–	–	–	–	–	–	–
02 03 04	0.6	1.25	1.0	–	0.75	–	0.6	–	–	–	–	–	–	–	–	–
05	0.75	2.0	–	–	1.0	–	0.6	–	–	1.0	–	–	–	–	–	–
07 08	0.6	1.25	1.0	–	0.75	–	0.6	–	–	–	–	0.75	–	–	–	–

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred

<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).





## IDFww — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>**</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 FdCw – Hazelnut	Fd	PI Py <sup>7,16</sup>	Cw Hw Lw <sup>16,23</sup>	Act <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	600	400	400	4	9	15	150
02* FdPI – Peltigera	PI		Fd	Mb <sup>b</sup>	400	200	200	3	8	15	150
03* Fd – Falsebox – Feathermoss	Fd	PI Py <sup>7,16</sup>		Act <sup>b</sup> Ep <sup>b</sup> Mb <sup>b</sup>	600	400	400	3	8	15	150
04 Fd – Douglas maple – Fairybells	Fd	Py <sup>16</sup>	Cw Lw <sup>16,23</sup>	Act <sup>b</sup> Ep <sup>a</sup> Mb <sup>17,a</sup>	600	400	400	4	9	15	150
05 CwFd – Vine maple	Cw Fd		Hw Ss <sup>15,35</sup>	Act <sup>42,a</sup> Ep <sup>a</sup> Mb <sup>17,a</sup>	1000	500	400	4	9	15	150
06 Cw – Devil's club – Lady fern	Fd Cw	Bg <sup>16</sup>	Hw Ss <sup>15,35</sup>	Act <sup>a</sup> Ep <sup>a</sup> Mb <sup>b</sup>	1000	500	400	4	9	15	150
07 CwSxw – Skunk cabbage	Cw <sup>1</sup>		PI <sup>7</sup> Ss <sup>1,15,35</sup>	Act <sup>41,a</sup> Ep <sup>b</sup> Mb <sup>17,41,a</sup>	1000	500	400	4	9	15	150

\* avoid logging

1 elevated microsites are preferred (Hw restricted to areas where it occurs in 01)

7 restricted to nutrient-medium sites

15 restricted to northern portion of biogeoclimatic unit in region

16 restricted to southern portion of biogeoclimatic unit in region

17 restricted to western portion of biogeoclimatic unit in region

23 restricted to trial use

35 risk of weevil damage

41 limited by poorly drained soils

42 restricted to fresh soil moisture regimes

a productive, reliable, and feasible regen. option

b limited in productivity, reliability, and/or feasibility

Free Growing Height Criteria (m)																
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc	
01	–	2.0	1.5	3.0	–	–	–	–	1.5	–	1.0	1.5	–	1.5	–	
02	–	1.25	1.0	–	–	–	–	–	–	–	–	–	–	–	–	
03 04	–	2.0	1.5	3.0	–	–	–	–	1.5	–	–	1.5	–	1.5	–	
05	–	–	2.0	4.0	–	2.0	–	–	–	–	1.5	2.0	–	–	–	
06	–	–	2.0	4.0	1.25	2.0	–	–	–	–	1.5	2.0	–	–	–	
07	–	2.0	1.5	3.0	1.0	–	–	–	1.5	–	–	1.5	–	1.5	–	

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines<sup>+</sup> TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred<sup>\*\*</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## MHmm1 — Vancouver

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HmBa – Blueberry	Ba Hm Yc		Bp <sup>23</sup> Hw <sup>14,53</sup> Se <sup>23</sup>		900	500	400	7	15	20	125
02 HmBa – Mountain-heather	Hm Yc	Ba Se <sup>23</sup>			800	400	400	4	12	20	125
03 BaHm – Oak fern	Ba Hm Yc		Bp <sup>23</sup> Hw <sup>14,53</sup> Se <sup>23</sup>		900	500	400	4	12	20	125
04 HmBa – Bramble	Ba Hm Yc		Hw <sup>14,53</sup>		900	500	400	7	15	20	125
05 BaHm – Twistedstalk	Ba Yc	Hm	Hw <sup>14,53</sup>		900	500	400	4	12	20	125
06 HmYc – Deer cabbage	Hm <sup>1</sup> Yc <sup>1</sup>		Ba <sup>1</sup>		800	400	400	7	15	20	125
07 YcHm – Hellebore	Ba <sup>1</sup> Yc <sup>1</sup>	Hm <sup>1</sup>			900	500	400	4	12	20	125
08* HmYc – Sphagnum	Hm <sup>1</sup> Yc <sup>1</sup>				400	200	200	4	12	20	125
09 YcHm – Skunk cabbage	Yc <sup>1</sup>	Hm <sup>1</sup>			800	400	400	4	12	20	125

\* avoid logging

1 elevated microsites are preferred

14 restricted to lower elevations of biogeoclimatic unit

23 restricted to trial use

53 minor component

#### Free Growing Height Criteria (m)

Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03 04 05	–	–	–	–	1.0	–	0.6	1.25	–	1.0	1.0	–	–	–	1.0
02 06 07 08 09	–	–	–	–	0.75	–	0.6	–	–	0.75	–	–	–	–	0.75

<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> **TSS** – target stocking standards    **MSS** – minimum stocking standards    **pa** – preferred and acceptable    **p** – preferred



## MHmm2 — Vancouver

## Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa <sup>++</sup>	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HmBa – Blueberry	Ba Hm	Yc <sup>17</sup> Se	Bl <sup>45,53</sup> Bp <sup>23</sup> Hw <sup>14,44</sup>		900	500	400	7	15	20	125
02 HmBa – Mountain-heather	Bl <sup>45,53</sup> Hm	Ba Se Yc <sup>17</sup>	Hw <sup>14,44,53</sup>		440	400	400	4	12	20	125
03 BaHm – Oak fern	Ba Hm Se	Yc <sup>17</sup>	Bl <sup>45,53</sup> Bp <sup>23</sup> Hw <sup>14,44</sup>		900	500	400	4	12	20	125
04 HmBa – Bramble	Ba Hm	Yc <sup>17</sup>	Bl <sup>45,53</sup> Hw <sup>14,44</sup>		900	500	400	7	15	20	125
05 BaHm – Twistedstalk	Ba Se	Hm Yc <sup>17</sup>	Bl <sup>45,53</sup> Bp <sup>23</sup> Hw <sup>14,44</sup>		900	500	400	4	12	20	125
06 HmYc – Deer cabbage	Hm <sup>1</sup>	Yc <sup>17</sup>	Ba <sup>1</sup>		800	400	400	7	15	20	125
07 YcHm – Hellebore	Ba <sup>1</sup> Se <sup>1</sup>	Hm <sup>1</sup> Yc <sup>17</sup>	Hw <sup>14,44</sup>		900	500	400	4	12	20	125
08* HmYc – Sphagnum	Hm <sup>1</sup>	Yc <sup>1,17</sup>			400	200	200	4	12	20	125
09 YcHm – Skunk cabbage	Hm <sup>1</sup>	Yc <sup>1,17</sup>	Se <sup>1</sup>		800	400	400	4	12	20	125

\* avoid logging

1 elevated microsites are preferred

14 restricted to lower elevations of biogeoclimatic unit

17 restricted to western portion of biogeoclimatic unit in region

23 restricted to trial use

44 suitable in areas with stronger maritime influence

45 suitable in areas with stronger continental influence

53 minor component

## Free Growing Height Criteria (m)

Site series	Bl	Pl	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03 04 05	1.0	–	–	–	1.0	–	0.6	1.25	–	1.0	1.0	–	–	–	1.0
02	0.75	–	–	–	0.75	–	0.6	–	–	0.75	0.75	–	–	–	0.75
06 08 09	–	–	–	–	0.75	–	0.6	–	–	0.75	–	–	–	–	0.75
07	–	–	–	–	0.75	–	0.6	–	–	0.75	0.75	–	–	–	0.75

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

\* TSS – target stocking standards    MSS – minimum stocking standards    pa – preferred and acceptable    p – preferred

<sup>++</sup> The target stocking standard is reduced by 100 stems/hectare for Douglas-fir stands (except for site series 02).



## MHwh — Vancouver

### Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species <sup>a</sup>	Stocking standards (well-spaced/ha) <sup>+</sup>			Regen delay (yrs)	Assessment		% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)	
01 HmSs – Blueberry	Ba <sup>19</sup> Hm Yc	Cw <sup>14</sup> Hw <sup>14</sup> Ss <sup>14</sup>			900	500	400	7	15	20	125
02* HmYc – Mountain-heather	Hm Yc	Cw <sup>14</sup>	Ba <sup>43,53</sup>		400	200	200	4	12	20	125
03 SsHm – Reedgrass	Hm Yc	Cw <sup>14</sup> Ss <sup>14</sup>	Hw <sup>14</sup>		900	500	400	7	15	20	125
04 HmYc – Goldthread	Ba <sup>19</sup> Hm Yc	Cw <sup>14</sup> Hw <sup>14</sup>			900	500	400	7	15	20	125
05 YcHm – Twistedstalk	Ba <sup>19</sup> Yc	Cw <sup>14</sup> Hm Hw <sup>14</sup> Ss <sup>14</sup>	PI		900	500	400	4	12	20	125
06 HmYc – Deer cabbage	Hm <sup>1</sup> Yc <sup>1</sup>	Cw <sup>14</sup>	Ba <sup>19</sup> Hw <sup>14,53</sup> Ss <sup>7,53</sup>		800	400	400	7	15	20	125
07 YcHm – Hellebore	Ba <sup>19</sup> Yc <sup>1</sup>	Cw <sup>14</sup> Hm <sup>1</sup> Ss <sup>14</sup>	Hw <sup>14,53</sup>		900	500	400	4	12	20	125
08* HmYc – Sphagnum	Hm <sup>1</sup> Yc <sup>1</sup>	Cw <sup>14</sup>			400	200	200	4	12	20	125
09 YcHm – Skunk cabbage	Yc <sup>1</sup>	Cw <sup>1,14</sup>	Hm <sup>1</sup> Ss <sup>1,14</sup>		800	500	400	4	12	20	125

\* avoid logging

1 elevated microsites are preferred

7 restricted to nutrient-medium sites

14 restricted to lower elevations of biogeoclimatic unit

19 restricted, not in Queen Charlotte Islands

43 suitable on mainland coast only

53 minor component

Free Growing Height Criteria (m)															
Site series	BI	PI	Fd	Ss	Sw/Se/Sx	Bg	Ba	Bp	Lw	Hm	Hw	Cw	Pw	Py	Yc
01 03 04	-	-	-	1.5	-	-	0.6	-	-	1.0	1.0	1.0	-	-	1.0
02 08 09	-	-	-	1.0	-	-	0.6	-	-	0.75	-	0.75	-	-	0.75
05	-	2.0	-	1.5	-	-	0.6	-	-	1.0	1.0	1.0	-	-	1.0
06 07	-	-	-	1.0	-	-	0.6	-	-	0.75	0.75	0.75	-	-	0.75

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<sup>a</sup> See Coast Broadleaf guidelines on page 81 for stocking standard and free growing guidelines

<sup>+</sup> **TSS** – target stocking standards    **MSS** – minimum stocking standards    **pa** – preferred and acceptable    **p** – preferred

**Broadleaf — Interior\*****Tree Species Selection and Free Growing Stocking Standard Guidelines\*\***

Target from conifer standards (stems/ha)	Hardwood stocking standards (well-spaced/ha) +			Regen delay (yrs)	Assessment		Min. inter-tree distance (m)	% tree over brush
	TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
400	600	400	400	4	9	12	2	150
600	1000	500	400	4	9	12	2	150
1000	1200	1000	800	4	9	12	2	150
1200	2000	1200	1000	4	9	12	2	150

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\* Cariboo, Kamloops, Nelson, Prince George and Prince Rupert forest regions

\*\* The minimum height for broadleaf trees is based on the minimum height of the tallest conifer for the site series. These standards apply to pure broadleaf stands (black cottonwood, trembling aspen, paper birch, and balsam poplar) for oriented strand board and sawlog production objectives.

+ **TSS** – target stocking standards    **MSS** – minimum stocking standards    **pa** – preferred and acceptable    **p** – preferred



## Broadleaf — Coast\*

### Tree Species Selection and Free Growing Stocking Standard Guidelines\*\*

Tree species	Product	Stocking standards (well-spaced/ha) +			Regen delay (yrs)	Assessment		Min. inter-tree distance (m)	% tree over brush
		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
Red alder <sup>‡</sup> and bigleaf maple	Sawlogs	1200	700	600	3	5	8	2	150
	Pulp	1500	1200	1000	3	5	8	2	150
Coastal black cottonwood (for pulp)	Sawlogs	700	400	400	3	5	8	2	150
	Pulp	900	600	500	3	5	8	2	150



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\* Vancouver Forest Region and the CWH zone of the Prince Rupert Forest Region

\*\* The minimum height for broadleaf trees is based on the minimum height of the tallest conifer for the site series. These standards apply to pure broadleaf stands.

+ TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred

‡ When growing red alder for sawlog production, it is recommended that stands be thinned to 600 well-spaced trees per hectare, but not before the stands have reached 12 to 16 m in height.



## Uneven-aged Stocking Standards\* — Single-tree selection only

Target from even-aged standards (stems/ha)	Layer**	Stocking standards (well-spaced/ha)***			Target from even-aged standards (stems/ha)	Layer**	Stocking standards (well-spaced/ha)***		
		TSSpa	MSSpa	MSSp			TSSpa	MSSpa	MSSp
1200	1	600	300	250	800	1	300	150	150
	2	800	400	300		2	400	200	200
	3	1000	500	400		3	600	300	300
	4	1200	700	600		4	800	400	400
1000	1	400	200	200	600	1	300	150	150
	2	600	300	250		2	400	200	200
	3	800	400	300		3	500	300	300
	4	1000	500	400		4	600	400	400
900	1	400	200	200	400	1	200	100	100
	2	500	300	250		2	300	125	125
	3	700	400	300		3	300	150	150
	4	900	500	400		4	400	200	200

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\* Maximum regeneration delay is seven years. For a seven-year regeneration delay, the early free growing is 12 years and the late free growing is 15 years. Regeneration delay can be met immediately following harvest if the residual stand has no significant damage or pest problems and meets minimum stocking standards. If regeneration is achieved immediately following harvest, earliest free growing date is five years post harvest and late free growing assessment is at 15 years.

\*\* **Layer 1** = mature layer = trees  $\geq$  12.5 cm dbh; **Layer 2** = pole layer = trees 7.5 cm to 12.4 cm dbh;

**Layer 3** = sapling layer = trees  $\geq$  1.3 m in height and up to 7.4 cm dbh; **Layer 4** = regeneration layer = trees  $<$  1.3 m in height

\*\*\* **TSS** – target stocking standards

**MSS** – minimum stocking standards

**pa** – preferred and acceptable

**p** – preferred