ESSFdc1 — Nelson

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	BI – Rhododendron – Grouseberry	PI Se	BI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02	PISe – Pinegrass	PI		BI Se		1000	500	400	7	15	20	PI Others	1.2 0.6	125
03	BI – Grouseberry – Cladonia	PI		BI Se		1000	500	400	7	15	20	PI Others	1.2 0.6	125
04	BI – Rhododendron – Valerian	PI Se	BI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
05	BI – Trapper's tea	PI Se	BI[10,13]			1000	500	400	7	15	20	PI Others	1.2 0.6	125
06	BI – Horsetail – Glow moss	PI[1] Se[1,32]	BI[1,32]			1000	500	400	4	12	20	PI Others	1.2 0.6	125
07	Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
32 limited by growing-season frosts

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	Bl – Azalea – Foamflower	Pl Se	Bl Fd[14] Lw[14]			1200	700	600	7	15	20	Pl, Lw Fd Others	1.6 1.0 0.8	125
02	Fd – Douglas maple – Soopolallie	Fd[9,14] Lw[9,14] Pl	Se	Bl Pa		1000	500	400	7	15	20	Pl, Lw Fd Others	1.2 0.8 0.6	125
03	Bl – Azalea – Grouseberry	Pl	Bl Fd[14] Lw[14] Se			1200	700	600	7	15	20	Pl, Lw Fd Others	1.6 1.0 0.8	125
04	Bl – Azalea – Soopolallie	Pl Se	Bl Fd[14] Lw[14]	Pa		1200	700	600	7	15	20	Pl, Lw Fd Others	1.6 1.0 0.8	125
05	Bl – Azalea – Step moss	Bl[32] Pl Se[32]				1200	700	600	4	12	20	Pl Others	1.6 0.8	125

9 restricted to southerly aspects
14 restricted to lower elevations of biogeoclimatic unit
32 limited by growing-season frosts

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ESSFdk — Nelson (continued)

	Site series	Conifer species: Primary	Secondary	Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
06	Bl – Azalea – Horsetail	Bl[32] Pl Se[32]				1200	700	600	4	12	20	Pl Others	1.6 0.8	125
07	Willow – Sedge	non-forested				–	–	–	–	–	–	–	–	–

32 limited by growing-season frosts

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines

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

ESSFvc — Nelson

Tree Species Selection and Free Growing Stocking Standard Guidelines

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	BlHm – Rhododendron – Oak fern	Bl Se		Hm		1200	700	600	4	12	20	All	0.8	125
02	BlHm – Rhododendron – Leafy liverwort	Se	Bl	Hm Pl[23,34]		1000	500	400	7	15	20	Pl Others	1.2 0.6	125
03	BlHm – Rhododendron – Pipecleaner moss	Bl Se		Hm		1000	500	400	7	15	20	All	0.6	125
04	BlHm – Devil's club – Lady fern	Bl Se		Hm		1200	700	600	4	12	20	All	0.8	125
05	BlHm – Horsetail	Bl[1,32] Se[1,32]		Hm[1]		1000	500	400	4	12	20	All	0.6	125
06	Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
23 restricted to trial use
32 limited by growing-season frosts
34 risk of snow damage

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines

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

ESSFwc1 — Nelson

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	Bl – Rhododendron – Oak fern	Bl Se	Pl[34]	Cw[9,32] Hw[9,32]		1200	700	600	4	12	20	Pl Others	1.6 0.8	125
02	Bl – Falsebox – Grouseberry	Pl Se	Bl	Cw[55] Pa		1000	500	400	7	15	20	Pl Others	1.2 0.6	125
03	Bl – Devil's club – Lady fern	Bl Se		Cw[9,32] Hw[9,32] Pl[34]		1200	700	600	4	12	20	Pl Others	1.6 0.8	125
04	Bl – Horsetail – Brachythecium	Bl[1,32] Se[1,32]	Pl[1,34]	Hw[32]		1200	700	600	7	15	20	Pl Others	1.6 0.8	125
05	Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
9 restricted to southerly aspects
32 limited by growing-season frosts
34 risk of snow damage
55 acceptable in sx–sm portion of site series

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	Bl – Azalea – Oak fern	Bl Se		Pl[23,34]		1200	700	600	4	12	20	Pl Others	1.6 0.8	125
02	Pl – Huckleberry – Cladonia	Pl	Bl[10,13,14] Se[10,13]			1000	500	400	7	15	20	Pl Others	1.2 0.6	125
03	Bl – Huckleberry – Arnica	Bl Se	Pl[23,34]			1000	500	400	7	15	20	Pl Others	1.2 0.6	125
04	Bl – Rhododendron – Heron's-bill	Bl Se	Pl[23,34]			1200	700	600	7	15	20	Pl Others	1.6 0.8	125
05	Bl – Azalea – Feathermoss	Bl Se		Pl[23,34]		1200	700	600	7	15	20	Pl Others	1.6 0.8	125
06	Bl – Valerian – Oak fern	Bl[32] Se[32]		Pl[23,34]		1200	700	600	4	12	20	Pl Others	1.6 0.8	125
07	Bl – Devil's club – Lady fern	Bl[32] Se[32]		Pl[23,34]		1200	700	600	4	12	20	Pl Others	1.6 0.8	125

10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
23 restricted to trial use
32 limited by growing-season frosts
34 risk of snow damage

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ESSFwc2 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
08	Bl – Horsetail – Sphagnum	Bl[1,32] Se[1,32]		Pl[23,34]		1000	500	400	4	12	20	Pl Others	1.2 0.6	125
09*	Pl – Dwarf blueberry – Sphagnum	Pl[1]	Bl[1,32] Se[1,32]			400	200	200	4	12	20	Pl Others	1.2 0.6	125
10	Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

* avoid logging
1 elevated microsites are preferred
23 restricted to trial use
32 limited by growing-season frosts
34 risk of snow damage

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	Bl – Rhododendron – Oak fern	Bl Se	Pl[34]			1200	700	600	4	12	20	Pl Others	1.6 0.8	125
02	Bl – Rhododendron – Falsebox	Se	Pl[34]	Bl[54] Pa		1000	500	400	7	15	20	Pl Others	1.2 0.6	125
03	Bl – Rhododendron – Woodrush	Se	Bl Pl[34]			1000	500	400	7	15	20	Pl Others	1.2 0.6	125
04	Bl – Rhododendron – Foamflower	Se	Bl Pl[34]			1200	700	600	4	12	20	Pl Others	1.6 0.8	125
05	Bl – Rhododendron – Lady fern	Bl Se				1200	700	600	4	12	20	All	0.8	125
06	Bl – Horsetail – Brachythecium	Bl[1,32] Se[1,32]				1200	700	600	4	12	20	All	0.8	125
07	Bl – Sedge – Sphagnum	Se[1]	Bl[1] Pl[1,34]			1000	500	400	4	12	20	Pl Others	1.2 0.6	125
08	Willow – Sedge	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
32 limited by growing-season frosts
34 risk of snow damage
54 risk of unsuccessful release of advance regeneration

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ESSFwm — Nelson

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	Bl – Azalea – Arnica	Bl Se	Fd[14] Lw[14] Pl[34]			1200	700	600	4	12	20	Lw, Pl Others	2.0 1.0	125
02	Bl – Rhododendron – Azalea	Se	Pl[34]	Bl Hw[14] Pa Pw[9,14,31]		1200	700	600	7	15	20	Pl Others	2.0 1.0	125
03	BlHw – Rhododendron – Azalea	Fd[9,32] Lw[9,32] Se	Bl Pl[34] Pw[9,31,32,49]	Hw[9,32]		1200	700	600	4	12	20	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	125
04	Bl – Azalea – Queen's cup	Bl Se	Pl[34]	Hw[14]		1200	700	600	4	12	20	Pl Others	2.0 1.0	125

9 restricted to southerly aspects
14 restricted to lower elevations of biogeoclimatic unit
31 risk of white pine blister rust
32 limited by growing-season frosts
34 risk of snow damage
49 applies only to rust resistant, planted stock

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

Site series	Conifer species: Primary	Secondary	Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01a CwFd – Falsebox, sx-sm phase	Fd Lw Py	Bg[28] Pl Pw[31,49]	Bl[10,13] Cw Hw Sx[10,13]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
01b CwFd – Falsebox, m-shg phase	Fd Lw Pl Py[9,14]	Bg Cw Hw Pw[31,49] Sx[10,13]	Bl[10,13]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
02 FdPy – Oregon grape – Parsley fern	Fd Lw Py		Cw Hw[10,13] Pl	Ep[b]	1000	500	400	7	12	15	Pl, Lw Fd Others	1.4 1.0 0.8	150
03 CwHw – White pine – Devil's club	Fd[1,32] Lw[1,32] Sx	Bg[32] Cw[32] Hw[32] Pl[1] Pw[31,49]	Bl	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150

1 elevated microsites are preferred
9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
28 limited by moisture deficit
31 risk of white pine blister rust
32 limited by growing-season frosts
49 applies only to rust resistant, planted stock
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHdw — Nelson (continued)

Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Assessment: Late (yrs)	Min. tree height (m)		% tree over brush
04 CwHw – Devil's club – Lady fern	Cw[32] Sx	Bg[1,32] Fd[1,32] Hw[32] Lw[1,32] Pl[1] Pw[1,31,49]	Bl	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150

1 elevated microsites are preferred
31 risk of white pine blister rust
32 limited by growing-season frosts
49 applies only to rust resistant, planted stock
a productive, reliable, and feasible regeneration option

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	CwSxw – Falsebox	Fd[9,14,32] Lw[9,14, 32] Pl Sx[10,13]	Bl[10,13]	Cw[10,13,32] Py[9,14]	Act[b] At[a] Ep[a]	1200	700	600	7	12	15	Pl, Lw Fd Others	2.0 1.4 1.0	150
02	Fd – Penstemon – Pinegrass	Fd Pl		Bl[10,13] Sx[10,13] Py[9,14]		600	400	400	7	12	15	Pl Fd Others	1.4 1.0 0.8	150
03	FdPl – Pinegrass – Twinflower	Fd Lw Pl	Sx[10,13]	Bl[10,13] Cw[10,13] Py[9,14]	At[a] Ep[b]	1000	500	400	7	12	15	Pl, Lw Fd Others	1.4 1.0 0.8	150
04	FdPl – Sitka alder – Pinegrass	Fd[32] Lw[32] Pl	Sx[10,13]	Bl[10,13] Cw[10,13,32] Py[9,14]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Lw Fd Others	2.0 1.4 1.0	150
05	Sxw – Gooseberry – Sarsaparilla	Pl Sx	Bl Fd[9,14,32] Lw[9,14,32]	Cw[32]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Lw Fd Others	2.0 1.4 1.0	150

9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHmk1 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
06	Sxw – Oak fern	Pl Sx	Bl Fd[9,14,32] Lw[9,14,32]	Cw[32]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Lw Fd Others	2.0 1.4 1.0	150
07	Sxw – Horsetail	Pl[1] Sx[1]	Bl[1] Fd[1,32] Lw[1,32]	Cw[32]	Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pl, Lw Fd Others	1.4 1.0 0.8	150
08	Sedge – Cinquefoil	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
9 restricted to southerly aspects
14 restricted to lower elevations of biogeoclimatic unit
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	HwCw – Falsebox – Feathermoss	Fd Pl	Cw Pw[31,49] Sx	Bl Hw Lw[23]	At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
02	Pl – Juniper – Twinflower	Fd	Pl[49] Pw[31,49]	Bl[28] Cw[28] Hw[28] Lw[23] Sx[28]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
03	HwCw – Falsebox – Pipecleaner moss	Fd Pl	Bl[28] Pw[31,49] Sx[10,13,28]	Cw[28] Hw[28] Lw[23]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150

10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
23 restricted to trial use
28 limited by moisture deficit
31 risk of white pine blister rust
49 applies only to rust resistant, planted stock
a productive, reliable, and feasible regeneration option

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHmw1 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
04	CwFd – Soopolallie – Douglas maple	Fd Pl	Pw[31,49]	Bl[28] Cw[28] Hw[28] Lw[23] Pa Sx[28]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
05	CwHw – Devil's club – Lady fern	Cw[32] Fd[1,32] Hw[32] Sx	Bl Pl Pw[1,32,49]		Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Fd Others	2.0 1.4 1.0	150
06	CwHw – Oval-leaved blueberry – Oak fern	Bl Cw Fd[9,14] Hw Sx	Pl Pw[31,49]	Lw[9,14,23]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
07	CwHw – Horsetail	Cw[32] Hw[32] Sx	Bl Pl Fd[1,14,32]		Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pl Fd Others	1.4 1.0 0.8	150

1 elevated microsites are preferred
9 restricted to southerly aspects
14 restricted to lower elevations of biogeoclimatic unit
23 restricted to trial use
28 limited by moisture deficit
31 risk of white pine blister rust
32 limited by growing-season frosts
49 applies only to rust resistant, planted stock

a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	HwCw – Falsebox – Feathermoss	Fd Lw	Cw Pl Sx[10,13]	Bl[10,13] Pw[31] Py[9,14,23] Hw	Act[b] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
02	Rhacomitrium – Cladonia	non-forested				–	–	–	–	–	–	–	–	–
03	FdCw – Falsebox – Prince's pine	Fd Lw Pl		Bl[10,13] Cw Pw[31] Py[9,14,23] Hw Sx[10,13]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
04	CwFd – Falsebox	Fd Lw Pl	Sx[10,13]	Bl[10,13] Cw Pw[31] Py[9,14,23] Hw	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150

9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
23 restricted to trial use
31 risk of white pine blister rust
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHmw2 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
05	CwHw – Oak fern – Foamflower	Cw Fd[9,14] Hw Lw[9,14] Sx	Bl Pl	Pw[31]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
06	CwHw – Devil's club – Lady fern	Cw[32] Sx	Bl Fd[1,32] Hw[32] Lw[1,32] Pl	Pw[31]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
07	CwHw – Horsetail	Cw[1,32] Sx[1]	Bl[1] Hw[1,32] Pl[1]	Pw[1,31]	Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pl, Pw Others	1.4 0.8	150
08	CwSxw – Skunk cabbage	Cw[1,32] Pl[1] Sx[1]	Bl[1] Hw[1, 32]		Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pl Others	1.4 0.8	150
09	Bluejoint – Sedge	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
9 restricted to southerly aspects
14 restricted to lower elevations of biogeoclimatic unit

31 risk of white pine blister rust
32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01 HwCw – Falsebox – Feathermoss	Fd	Cw[10,13] Pl Sx[10,13]	Bl[10,13] Hw[10,13] Lw[23] Pw[31]	Act[b] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
01-YC HwCw – Feathermoss	Fd	Cw[10,13] Hw[10,13] Pl Sx[10,13]	Bl[10,13] Lw[23] Pw[31]	Act[b] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
02 Fd – Juniper – Cladina	Fd Pl	Py[9,14,23]	Pw[31]	Ep[b]	1000	500	400	7	12	15	Pl, Pw Fd Py	1.4 1.0 0.8	150

9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
23 restricted to trial use
31 risk of white pine blister rust

a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHmw3 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
03	FdPl – Pinegrass – Feathermoss	Fd[32] Pl		Bl[10,13] Cw[10,13] Lw[23,32] Pw[31] Sx[10,13]	At[53,a] Ep[53,a]	1000	500	400	7	12	15	Pl, Pw Lw Fd Others	1.4 1.4 1.0 0.8	150
04	CwFd – Soopolallie – Twinflower	Fd Pl	Sx[10,13]	Cw[10,13] Hw[10,13] Lw[23] Pw[31]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
05	CwFd – Falsebox	Fd	Cw[10,13] Pl Sx[10,13]	Bl[10,13] Hw[10,13] Lw[23] Pw[31]	Act[b] At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150

10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
23 restricted to trial use
31 risk of white pine blister rust
32 limited by growing-season frosts
53 minor component
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHmw3 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
06	CwHw – Oak fern	Cw Fd[14] Hw Sx	Bl Pl	Lw[23] Pw[31]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
07	CwHw – Devil's club – Lady fern	Cw[32] Sx	Bl Fd[1,32] Hw[32] Pl	Lw[1,23,32] Pw[31]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
08	CwSxw – Skunk cabbage	Cw[1,32] Hw[1,32] Pl[1] Sx[1]	Bl[1]		Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pl Other	1.4 0.8	150
09	Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
14 restricted to lower elevations of biogeoclimatic unit
23 restricted to trial use
31 risk of white pine blister rust
32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHvk1 — Nelson

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	CwHw – Devil's club – Lady fern	Cw[32] Sx	Bl Fd[1,9,14,32,34] Hw[32]	Pw[31]	Act[a] At[53,a] Ep[53,a]	1200	700	600	4	9	15	Pw Fd Others	2.0 1.4 1.0	150
03	HwCw – Falsebox – Feathermoss	Fd[9]	Bl Cw Hw Sx	Lw[9,14,23] Pl[23,34] Pw[31]	Act[b] At[53,a] Ep[53,a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
04	CwHw – Oak fern – Spiny wood fern	Cw Fd[9,14,34] Hw Sx	Bl	Lw[9,14,23] Pw[31]	Act[a] At[53,a] Ep[53,a]	1200	700	600	4	9	15	Pw, Lw Fd Others	2.0 1.4 1.0	150
05	CwSxw – Devil's club – Horsetail	Cw[1,32] Sx[1]	Bl[1] Hw[1,32]	Pw[1,31]	Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pw Others	1.4 0.8	150

1 elevated microsites are preferred
9 restricted to southerly aspects
14 restricted to lower elevations of biogeoclimatic unit
23 restricted to trial use
31 risk of white pine blister rust
32 limited by growing-season frosts
34 risk of snow damage
53 minor component

a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
06	CwSxw – Skunk cabbage	Cw[1,32] Hw[1,32] Sx[1]	Bl[1]	Pl[23,34] Pw[1,31]	Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pl Others	1.4 0.8	150

1 elevated microsites are preferred
23 restricted to trial use
31 risk of white pine blister rust
32 limited by growing-season frosts
34 risk of snow damage
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHwk1 — Nelson

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	CwHw – Oak fern	Cw Fd[9,14] Hw Sx	Bl[10,13]	Lw[9,14,23,32] Pl[23,34] Pw[31]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
02	Rhacomitrium – Cladonia	non-forested				–	–	–	–	–	–	–	–	–
04	HwCw – Falsebox – Feathermoss	Fd[9,14]	Cw Hw Sx[10,13]	Bl[10,13] Lw[9,14,23] Pl[23,34] Pw[31]	Act[b] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
05	CwHw – Devil's club – Lady fern	Cw[32] Sx	Bl Fd[1,9,14,32] Hw[32]	Lw[1,14,23,32] Pl[23,34] Pw[31]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150

1 elevated microsites are preferred
9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
23 restriced to trial
31 risk of white pine blister rust
32 limited by growing-season frosts
34 risk of snow damage
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
06	CwSxw – Devil's club – Horsetail	Cw[1,32] Sx[1]	Bl[1] Hw[1,32]	Pl[1,23,34] Pw[1,31]	Act[a] At[b] Ep[a]	1000	500	400	4	9	15	Pl, Pw Others	1.4 0.8	150
07	Act – Dogwood – Twinberry	Cw[1,32] Sx[1]	Bl[1] Hw[1,32]	Pw[1,31]	Act[a] At[a] Ep[a]	1000	500	400	4	9	15	Pw Others	1.4 0.8	150
08	CwSxw – Skunk cabbage	Cw[1,32] Hw[1,32] Sx[1]	Bl[1]	Pl[23,34]	Act[a] At[b] Ep[b]	1000	500	400	4	9	15	Pl Others	1.4 0.8	150
09	Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
23 restricted to trial use
31 risk of white pine blister rust
32 limited by growing-season frosts
34 risk of snow damage
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

ICHxw — Nelson

Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Assessment: Late (yrs)	Min. tree height (m)		% tree over brush
01 CwFd – Mock-orange	Fd Lw Pl Py	Bg[10,13] Pw[31,49]	Cw Hw	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150

Refer to the ICHdw for tree species selection and stocking standards, but consider the drier climate of the ICHxw.

10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
31 risk of white pine blister rust
49 applies only to rust resistant, planted stock
a productive, reliable, and feasible regeneration option

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01♦ FdPl – Pinegrass – Twinflower	Fd[32] Lw[32]	Pl[10,13] Py[9,14]		At[a] Ep[b]	1000	500	400	7	12	15	Pl, Lw Fd Others	1.0 0.8 0.6	125
02 Bluebunch wheatgrass – Junegrass	non-forested				–	–	–	–	–	–	–	–	–
03♦ FdPy – Bluebunch wheatgrass – Pinegrass	Fd[27] Py		Pl		600	400	400	7	12	15	Pl Fd Py	1.0 0.8 0.6	125
04♦ Fd – Pinegrass – Kinnikinnick	Fd[32] Lw[32] Py	Pl[10,13]		At[b]	1000	500	400	7	12	15	Pl, Lw Fd Others	1.0 0.8 0.6	125

9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
27 partial canopy cover required for successful establishment
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred
♦ This site series may be managed using the Kootenay–Boundary fire maintained ecosystem (NDT4) management guidelines in the Kootenay Boundary Land Use Plan Implementation Strategy, June 1997, Kootenay Inter-agency Management Committee. The decision on which guidelines to use will be determined by management objectives.

IDFdm1 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
05	FdLw – Spruce – Pinegrass	Fd[32] Lw[32] Pl	Sx[10,13]	Py[9,14]	At[a] Ep[53,a]	1200	700	600	7	12	15	Pl, Lw Fd Others	1.4 1.0 0.8	125
06	SxwFd – Dogwood – Gooseberry	Fd[32] Lw[32] Sx	Pl		Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Lw Fd Others	1.4 1.0 0.8	125
07	Sxw – Horsetail	Pl[1] Sx[1]	Fd[1,32] Lw[1,32]	Bl[1]	Act[a] At[a] Ep[b]	1000	500	400	4	9	15	Pl, Lw Fd Others	1.0 0.8 0.6	125

1 elevated microsites are preferred
9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
32 limited by growing-season frosts
53 minor component
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Assessment: Late (yrs)	Min. tree height (m)		% tree over brush
01♦ FdPl – Pinegrass – Twinflower	Fd[32] Lw[32] Py	Pl[10,13]		At[a] Ep[a]	1000	500	400	7	12	15	Pl, Lw Fd Py	1.0 0.8 0.6	125
02 Antelope-brush – Bluebunch wheatgrass	non-forested				–	–	–	–	–	–	–	–	–
03♦ Fd – Snowberry – Balsamroot	Fd[27] Py	Lw[10,13]	Pl[10,13]	At[b]	600	400	400	7	12	15	Pl, Lw Fd Py	1.0 0.8 0.6	125
04♦ FdLw – Spruce – Pinegrass	Fd[32] Lw[32] Pl	Sx	Py[9,14]	At[a] Ep[a]	1200	700	600	7	12	15	Pl, Lw Fd Others	1.4 1.0 0.8	125
05 SxwAt – Sarsaparilla	Pl Sx	Fd[1,32] Lw[1,32]		Act[a] At[a] Ep[a]	1000	500	400	7	12	15	Pl, Lw Fd Sx	1.0 0.8 0.6	125

1 elevated microsites are preferred
9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
27 partial canopy required for successful establishment
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines

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

♦ This site series may be managed using the Kootenay–Boundary fire maintained ecosystem (NDT4) management guidelines in the Kootenay Boundary Land Use Plan Implementation Strategy, June 1997, Kootenay Inter-agency Management Committee. The decision on which guidelines to use will be determined by management objectives.

IDFdm2 — Nelson (continued)

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
06	Scrub birch – Horsetail	non-forested				–	–	–	–	–	–	–	–	–
07	Sxw – Horsetail	Sx[1]	Fd[1,32] Lw[1,32] Pl[1]		Act[a] Ep[a]	1000	500	400	4	9	15	Pl, Lw Fd Sx	1.0 0.8 0.6	125

1 elevated microsites are preferred
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

Site series	Conifer species: Primary	Secondary	Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01♦ FdPy – Pinegrass	Fd[27] Py		Lw[10]		1000	500	400	7	12	15	Lw Others	0.8 0.6	125
02♦* FdPy – Bluebunch wheatgrass – Balsamroot	Py[27]	Fd[27]			400	200	200	7	12	15	All	0.6	125
03♦ FdPy – Bluebunch wheatgrass – Pinegrass	Py	Fd[27]			600	400	400	7	12	15	All	0.6	125
04♦ FdPy – Snowbrush – Pinegrass	Py	Fd[27]			600	400	400	7	12	15	All	0.6	125
05♦ FdPy – Pinegrass – Idaho fescue	Py	Fd[27]			600	400	400	7	12	15	All	0.6	125
06 FdPy – Spirea – Feathermoss	Fd[27] Py	Lw[10]			1000	500	400	7	12	15	Lw Others	0.8 0.6	125
07 FdPy – Snowberry – Spirea	Fd Py	Lw[10]			1000	500	400	7	12	15	Lw Other	0.8 0.6	125

* avoid logging

10 restricted to northerly aspects

27 partial canopy required for successful establishment

Continued next page

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines

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

♦ This site series may be managed using the Kootenay–Boundary fire maintained ecosystem (NDT4) management guidelines in the Kootenay Boundary Land Use Plan Implementation Strategy, June 1997, Kootenay Inter-agency Management Committee. The decision on which guidelines to use will be determined by management objectives.

IDFxh1 — Nelson (continued)

Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Assessment: Late (yrs)	Min. tree height (m)		% tree over brush
08[♦] SxwFd – Douglas maple – Dogwood	Fd[1,32] Py[1,32] Sx	Pl[1]	Lw[1,32]	Act[a] At[a] Ep[a]	1200	700	600	4	9	15	Pl, Lw Other	1.0 0.8	125
09 Willow – Sedge	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred
[♦] This site series may be managed using the Kootenay–Boundary fire maintained ecosystem (NDT4) management guidelines in the Kootenay Boundary Land Use Plan Implementation Strategy, June 1997, Kootenay Inter-agency Management Committee. The decision on which guidelines to use will be determined by management objectives.

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Assessment: Late (yrs)	Min. tree height (m)		% tree over brush
01	Sxw – Soopolallie – Grouseberry	Fd[32] Lw[32] Pl Sx	Bl		Act[b] At[a] Ep[53,a]	1200	700	600	7	12	15	Pl, Lw Others	1.4 0.8	125
02	Saskatoon – Bluebunch wheatgrass	non-forested				–	–	–	–	–	–	–	–	–
03	Pl – Juniper – Pinegrass	Fd Lw Pl		Bl Sx	At[b] Ep[b]	1000	500	400	7	12	15	Pl, Lw Others	1.0 0.6	125
04	Pl – Oregon-grape – Pinegrass	Fd Lw Pl	Bl Sx		At[a] Ep[b]	1200	700	600	7	12	15	Pl, Lw Others	1.4 0.8	125
05	Sxw – Soopolallie – Snowberry	Fd[32] Lw[32] Pl Sx	Bl		Act[b] At[a] Ep[a]	1200	700	600	7	12	15	Pl, Lw Others	1.4 0.8	125
06	Sxw – Dogwood – Horsetail	Sx	Bl Fd[1,32] Lw[1,32] Pl[1]		Act[a] At[a] Ep[b]	1200	700	600	4	9	15	Pl, Lw Others	1.4 0.8	125
07*	Sxw – Scrub birch – Sedge					–	–	–	–	–	–	–	–	–

* avoid logging
1 elevated microsites are preferred
32 limited by growing-season frosts
53 minor component
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
+ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

MSdm1 — Nelson

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
01	Sxw – Falsebox – Feathermoss	Pl Sx	Bl Fd[9,14,32] Lw[9,14,32]		At[a]	1200	700	600	7	12	15	Pl, Lw Others	1.4 0.8	125
02	Fd – Penstemon – Pinegrass	Fd Pl	Lw		At[b]	600	400	400	7	12	15	Pl, Lw Fd	1.0 0.6	125
03	Pl – Grouseberry – Cladonia	Pl	Fd[32] Lw[32]	Bl[10,13] Sx[10,13]	At[b]	1000	500	400	7	12	15	Pl, Lw Others	1.0 0.6	125
04	Pl – Pinegrass – Kinnikinnick	Fd[14,32] Lw[14,32] Pl		Bl[10,13] Sx[10,13]	At[b]	1200	700	600	7	12	15	Pl, Lw Others	1.4 0.8	125
05	Sxw – Trapper's tea – Grouseberry	Pl	Bl[10,13] Fd[9,14,32] Lw[9,14,32] Sx		At[53,a]	1200	700	600	4	9	15	Pl, Lw Others	1.4 0.8	125

9 restricted to southerly aspects
10 restricted to northerly aspects
13 restricted to upper elevations of biogeoclimatic unit
14 restricted to lower elevations of biogeoclimatic unit
32 limited by growing-season frosts
53 minor component
a productive, reliable, and feasible regeneration option
b limited in productivity, reliability and/or feasibility

Continued next page

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)		% tree over brush
06	Sxw – Gooseberry	Pl Sx	Bl Fd[9,14,32] Lw[9,14,32]		Act[a] At[a]	1200	700	600	4	9	15	Pl, Lw Others	1.4 0.8	125
07	Sxw – Trapper's tea – Horsetail	Pl[1]Sx[1]	Bl[1]			1000	500	400	4	9	15	Pl Others	1.0 0.6	125
08	Sxw – Gooseberry – Oak fern	Pl Sx	Bl Fd[9,14,32] Lw[9,14,32]	Cw[32]	Act[a] At[a]	1200	700	600	4	9	15	Pl, Lw Others	1.4 0.8	125
09	Willow – Sedge	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred
9 restricted to southerly aspects
14 restricted to lower elevations of biogeoclimatic unit
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

PPdh1 — Nelson

	Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)	% tree over brush
01[♦]	Py – Bluebunch wheatgrass – Junegrass	Py	Fd[27]			600	400	400	7	12	15	All 0.6	125
02	Selaginella – Bluebunch wheatgrass – Blue-eyed Mary	non-forested				–	–	–	–	–	–	– –	–
03	Bluebunch wheatgrass – Balsamroot	non-forested				–	–	–	–	–	–	– –	–
04[♦]	FdPy – Ninebark	Fd Py				600	400	400	7	12	15	All 0.6	125
05[♦]	PyAct – Snowberry – Kentucky bluegrass	Fd[1,32] Py[1] Sx[23]			Act[a] At[a] Ep[a]	600	400	400	7	12	15	All 0.6	125
06	AtAct – Snowberry – Horsetail	not in timber harvesting base			Act[a] At[a] Ep[a]								

1 elevated microsites are preferred
23 restricted to trial use
27 partial canopy required for successful establishment
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option

[Δ] See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines
[+] **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred
[♦] This site series may be managed using the Kootenay–Boundary fire maintained ecosystem (NDT4) management guidelines in the Kootenay Boundary Land Use Plan Implementation Strategy, June 1997, Kootenay Inter-agency Management Committee. The decision on which guidelines to use will be determined by management objectives.

PPdh2 — Nelson

Site series	Conifer species: Primary	Conifer species: Secondary	Conifer species: Tertiary	Broadleaf species[Δ]	Stocking standards (well-spaced/ha)[+]: TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment: Early (yrs)	Late (yrs)	Min. tree height (m)	% tree over brush
01♦ Py – Bluebunch wheatgrass – Junegrass	Py	Fd[27,32]	Lw[10,23,32] Pl[23]		600	400	400	7	12	15	All 0.6	125
02a Bluebunch wheatgrass – Junegrass, x-sx phase	non-forested				–	–	–	–	–	–	– –	–
02b Bluebunch wheatgrass – Junegrass, sm-m phase	non-forested				–	–	–	–	–	–	– –	–
03♦ PyAt – Rose – Solomon's-seal	Fd[32] Py[1] Sx[28]		Lw[23,32] Pl[23]	Act[a] At[a] Ep[a]	1000	500	400	7	12	15	All 0.6	125
04 Act – Dogwood – Nootka rose	not in timber harvesting base			Act[a] Ep[a]								

1 elevated microsites are preferred
10 restricted to northerly aspects
23 restricted to trial use
27 partial canopy required for successful establishment
28 limited by moisture deficit
32 limited by growing-season frosts
a productive, reliable, and feasible regeneration option

Δ See Interior Broadleaf guidelines on page 80 for stocking standard and free growing guidelines

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

♦ This site series may be managed using the Kootenay–Boundary fire maintained ecosystem (NDT4) management guidelines in the Kootenay Boundary Land Use Plan Implementation Strategy, June 1997, Kootenay Inter-agency Management Committee. The decision on which guidelines to use will be determined by management objectives.

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

* 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) + TSSpa	MSSpa	MSSp	Regen delay (yrs)	Assessment Early (yrs)	Late (yrs)	Min. inter-tree distance (m)	% tree over brush
Red alder‡ 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

* 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)*** TSSpa	MSSpa	MSSp	Target from even-aged standards (stems/ha)	Layer**	Stocking standards (well-spaced/ha)*** 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

May 2000

* 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 ≥ 12.5 cm dbh; **Layer 2** = pole layer = trees 7.5 cm to 12.4 cm dbh;
Layer 3 = sapling layer = trees ≥ 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