

BWBSdk1 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Primary	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
01 Sw – Knight's plume – Step moss	PI Sw ³²	BI	Sb	At ^{16,a} Ep ^{16,a}	1200	700	600	7	12	15	PI Others	1.6 0.8	150
02* PI – Lingonberry – Feathermoss	PI		BI ⁵³ Sb Sw	At ^b	1000	500	400	7	12	15	PI Others	1.2 0.6	150
03 Sw – Wildrye – Feathermoss	PI	Sw ²⁸		At ^{16,a}	1200	700	600	7	12	15	PI Others	1.6 0.8	150
04 Sb – Lingonberry – Knight's plume	PI		Sb Sw ³²	At ^b	1200	700	600	7	12	15	PI Others	1.6 0.8	150
05 SwPI – Soopolallie – Twinflower	PI Sw	BI	Sb	At ^a Ep ^a	1200	700	600	7	12	15	PI Others	1.6 0.8	150
06 Sw – Scouring-rush – Step moss	PI Sw ³²	BI	Sb	Acb ^b At ^b Ep ^b	1200	700	600	7	12	15	PI Others	1.6 0.8	150

* avoid logging

16 restricted to southern portion of biogeoclimatic unit in region

28 limited by moisture deficit

32 limited by growing-season frosts

53 minor component

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines⁺ TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred

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Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^a	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07 Sb – Lingonberry – Coltsfoot	PI ¹ Sb ¹ Sw ^{1,32}			Bl ⁵³ At ^b	1200	700	600	7	12	15	PI Others	1.6 0.8	150
08 Sw – Currant – Horsetail	Sw ^{1,32}	PI ¹		Bl ⁵³ Sb Acb ^a At ^b Ep ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150
09* Sb – Horsetail – Sphagnum	PI ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.2 0.6	150
10* Sb – Labrador tea – Sphagnum	PI ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.2 0.6	150
11* Sw – Willow – Glow moss	PI ¹ Sb ¹ Sw ^{1,32}			Acb ^b At ^b	400	200	200	4	9	15	PI Others	1.2 0.6	150
31 Non-forested bog	non-forested				–	–	–	–	–	–	–	–	–
32 Non-forested fen/marsh	non-forested				–	–	–	–	–	–	–	–	–
81 Grassland/scrub	non-forested				–	–	–	–	–	–	–	–	–

* 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

^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSdk2 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sw – Knight's plume – Step moss	PI Sw ³²		Sb	At ^{16,a} Ep ^{16,a}	1200	700	600	7	12	15	PI Others	1.6 0.8	150
02* PI – Lingonberry – Cladonia	PI		Sb Sw	At ^b	1000	500	400	7	12	15	PI Others	1.2 0.6	150
03 Sb – Lingonberry – Knight's plume	PI		Sb Sw ³²	At ^b	1200	700	600	7	12	15	PI Others	1.6 0.8	150
04 Sb – Labrador tea – Feathermoss	PI Sb Sw	Lt		At ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150
05 Sw – Wildrye – Toad-flax	PI Sw ³²			At ^a Ep ^a	1200	700	600	7	12	15	PI Others	1.6 0.8	150
06 Sw – Currant – Horsetail	Sw ^{1,32}	PI ¹	Sb	Acb ^a At ^b Ep ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150

* avoid logging

1 elevated microsites are preferred

16 restricted to southern portion of biogeoclimatic unit in region

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines⁺ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

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Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07* Sb – Labrador tea – Sphagnum	Lt ¹ Pi ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.2 0.6	150
08* Lt – Glow moss	Lt ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	All	0.6	150
31 Non-forested bog	non-forested				–	–	–	–	–	–	–	–	–
32 Non-forested fen/marsh	non-forested				–	–	–	–	–	–	–	–	–
81 Grassland/shrub	non-forested				–	–	–	–	–	–	–	–	–

* avoid logging

¹ elevated microsites are preferred

³² limited by growing-season frosts

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSmw1 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 SwAt – Step moss	PI Sw ³²			Acb ³ At ⁴ Ep ^a	1200	700	600	4	9	15	PI Sw	2.0 1.0	150
02 PI – Lingonberry – Velvet-leaved blueberry	PI		Sw	At ^b	1200	700	600	7	12	15	PI Sw	1.4 1.0	150
03 Sw – Wildrye – Peavine	PI	Sw ²⁸		At ^a	1200	700	600	7	12	15	PI Sw	2.0 1.0	150
04 Sb – Lingonberry – Coltsfoot	PI		Sb Sw ^{28,32}	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
05 Sw – Currant – Oak fern	Sw ³²	PI	Sb	Acb ^b At ⁴ Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
06 Sw – Currant – Bluebells	Sw ³²	PI		Acb ³ At ⁴ Ep ^a	1200	700	600	4	9	15	PI Sw	2.0 1.0	150

²⁸ limited by moisture deficit

³² limited by growing-season frosts

^a productive, reliable, and feasible regeneration option

^b limited in productivity, reliability, and/or feasibility

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSmw1 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07 Sw – Currant – Horsetail	Sw ^{1,32}	PI ¹		Acb ^a	1000	500	400	4	9	15	PI Sw	1.4 0.8	150
08* Sb – Labrador tea – Sphagnum	PI ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging
 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 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSmw2 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) ⁺			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 SwAt – Step moss	PI Sw ³²		Sb	Acb ³ At ⁴ Ep ²	1200	700	600	4	9	15	PI Sw Sb	1.0 1.0 0.6	150
02 PI – Lingonberry – Velvet-leaved blueberry	PI		Sw	At ^b	1200	700	600	7	12	15	PI Sw	2.0 1.0	150
03 Sb – Lingonberry – Knight's plume	PI		Sb Sw ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
04 Sb – Lingonberry – Coltsfoot	PI		Sb Sw ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
05 Sw – Currant – Horsetail	Sw ^{1,32}			Acb ^a	1200	700	600	4	9	15	Sw	1.0	150
06 Sb – Feathermoss – Bluebells	PI ¹ Sb ¹ Sw ^{1,32}				1000	500	400	4	9	15	PI Others	1.4 0.8	150
07 Lt – Horsetail	Lt ¹ Sw ^{1,32}		Sb ¹		1000	500	400	4	9	15	All	0.8	150

¹ elevated microsites are preferred
³² limited by growing-season frosts

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

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines
⁺ TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred

BWBSmw2 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
08* Sb – Cloudberry – Sphagnum	Pl ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150
09* Sb – Willow – Glow moss	Lt ¹ Pl ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150
10* Lt – Buckbean	Lt ¹ Pl ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

32 limited by growing-season frosts

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSwk1 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Primary	Conifer species			Broadleaf species ^a	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment			Min. tree height (m)	% tree over brush
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sw – Huckleberry – Step moss	PI Sw				At ^a	1200	700	600	4	9	15	PI Sw	2.0 1.0	150
02 PI – Lingonberry – Velvet-leaved blueberry	PI			Sw		1200	700	600	7	12	15	PI Sw	2.0 1.0	150
03 Sb – Lingonberry – Coltsfoot	PI			Sb Sw ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
04 Sw – Wildrye – Peavine	PI			Sw ²⁸	At ^a	1200	700	600	7	12	15	PI Sw	2.0 1.0	150
05 Sw – Currant – Bluebells	Sw ³²			PI	Ac ^b At ^a Ep ^a	1200	700	600	7	12	15	PI Sw	2.0 1.0	150
06 Sw – Currant – Horsetail	Sw ^{1,32}			PI ¹	Ac ^b	1000	500	400	4	9	15	PI Sw	1.4 0.8	150

1 elevated microsites are preferred

28 limited by moisture deficit

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSwk1 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07* Sb – Horsetail – Sphagnum	Pl ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150
08* Sb – Willow – Glow moss	Lt Pl ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging

¹ elevated microsites are preferred

³² limited by growing-season frosts

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSwk2 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sw – Huckleberry – Step moss	PI Sw			At ^a	1200	700	600	4	9	15	PI Sw	2.0 1.0	150
02 PI – Lingonberry – Feathermoss	PI		Sw		1000	500	400	7	12	15	PI Sw	1.4 0.8	150
03 Sw – Wildrye – Peavine	PI		Sb Sw ³²	At ^a	1200	700	600	7	12	15	PI Others	2.0 1.0	150
04 Sb – Lingonberry – Coltsfoot	PI	Sw ²⁸		At ^b	1200	700	600	7	12	15	PI Sw	2.0 1.0	150
05 Sw – Currant – Bluebells	Sw ³²	PI		Acb ^a At ^a Ep ^a	1200	700	600	4	9	15	PI Sw	2.0 1.0	150
06 Sw – Currant – Horsetail	Sw ^{1,32}	PI ¹		Acb ^a	1000	500	400	4	9	15	PI Sw	1.4 0.8	150

1 elevated microsites are preferred
 28 limited by moisture deficit
 32 limited by growing-season frosts

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

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines
 * TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred

BWBSwk2 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07* Sb – Horsetail – Sphagnum	Pl ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150
08* Sb – Willow – Glow moss	Lt Pl ¹ Sb ¹ Sw ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging

¹ elevated microsites are preferred

³² limited by growing-season frosts

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

BWBSwk3 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ^a	Stocking standards (well-spaced/ha) ⁺			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sw – Huckleberry – Step moss	PI Sw			At ^b	1200	700	600	4	9	15	PI Sw	2.0 1.0	150

[no other units described]

^b limited in productivity, reliability, and/or feasibility

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^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

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Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 BI – Azalea – Gooseberry	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02 BI – Huckleberry – Feathermoss	BI ²⁸ PI Se ²⁸				1000	500	400	7	15	20	PI Others	1.2 0.6	125
03 BIPI – Cladina	PI	BI ²⁸ Se ²⁸			1000	500	400	4	12	20	PI Others	1.2 0.6	125
04 BI – Azalea – Rhododendron	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
05 BI – Oak fern – Bramble	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
06 BI – Devil's club – Lady fern	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
07* BI – Labrador tea – Horsetail	BI ^{1,32} Se ^{1,32}	PI ¹			400	200	200	4	12	15	PI Others	1.2 0.6	125

* avoid logging

1 elevated microsites are preferred

28 limited by moisture deficit

32 limited by growing-season frosts

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFmv1 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 BI – Rhododendron – Feathermoss	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02 PI – Huckleberry – Cladonia	PI		BI		1000	500	400	7	12	15	PI BI	1.2 0.6	125
03 BI – Huckleberry – Feathermoss	BI PI Se				1000	500	400	7	15	20	PI Others	1.2 0.6	125
04 BI – Huckleberry – Gooseberry	BI Se	PI			1000	500	400	7	15	20	PI Others	1.2 0.6	125
05 BI – Horsetail – Glow moss	BI ^{1,32} Se ^{1,32}	PI ¹			1000	500	400	4	12	20	PI Others	1.2 0.6	125

¹ elevated microsites are preferred

³² limited by growing-season frosts

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFmv2 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 BI – Rhododendron – Feathermoss	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02* BI – Lingonberry	BI PI Se				1200	700	600	4	12	20	PI Others	1.6 0.8	125
03 BISb – Labrador tea	BI PI Se		Sb		1000	500	400	4	12	20	PI Others	1.2 0.6	125
04 BI – Oak fern – Knight's plume	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
05 BI – Devil's club – Rhododendron	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
06* BI – Alder – Horsetail	BI ^{1,32} Se ^{1,32}	PI ¹			400	200	200	4	12	20	PI Others	1.2 0.6	125

* avoid logging

1 elevated microsites are preferred

32 limited by growing-season frosts

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFmv3 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 BI – Rhododendron – Feathermoss	BI Se	Pj ³⁴			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02* BIPi – Crowberry – Cladina	Pj ³⁴	BI ²⁸ Se ²⁸			1000	500	400	4	12	20	PI Others	1.2 0.6	125
03 BISb – Labrador tea	BI Se	Pj ³⁴	Sb		1000	500	400	4	12	20	PI Others	1.2 0.6	125
04 BI – Oak fern – Knight's plume	BI Se		Pj ³⁴		1200	700	600	4	12	20	PI Others	1.6 0.8	125
05 BI – Devil's club – Rhododendron	BI Se		Pj ³⁴		1200	700	600	4	12	20	PI Others	1.6 0.8	125
06 Sxw – Huckleberry – Highbush-cranberry	BI Se	Pj ³⁴			1200	700	600	7	12	15	PI Others	1.6 0.8	125
07 BI – Horsetail – Feathermoss	BI ^{1,32} Se ^{1,32}	Pj ^{1,34}			1000	500	400	4	12	20	PI Others	1.2 0.6	125

* avoid logging

1 elevated microsites are preferred

28 limited by moisture deficit

32 limited by growing-season frosts

34 risk of snow damage

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFmv4 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 BI – Rhododendron – Feathermoss	BI Se	PI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02* BIPI – Crowberry – Cladina	BI ²⁸ PI Se ²⁸				1000	500	400	4	12	20	PI Others	1.2 0.6	125
03 BISb – Labrador tea	BI PI Se		Sb		1000	500	400	4	12	20	PI Others	1.2 0.6	125
04 BI – Rhododendron – Horsetail	BI ^{1,32} PI ¹ Se ^{1,32}				1200	700	600	4	12	20	PI Others	1.6 0.8	125
05* BI – Alder – Horsetail	BI ^{1,32} Se ^{1,32}	PI ¹			400	200	200	4	12	20	PI Others	1.2 0.6	125

* avoid logging

1 elevated microsites are preferred

28 limited by moisture deficit

32 limited by growing-season frosts

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFwc2 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

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

* avoid logging

10 restricted to northerly aspects

13 restricted to upper elevations of biogeoclimatic unit

23 restricted to trial use

32 limited by growing-season frosts

34 risk of snow damage

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFwc2 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07 BI – Devil's club – Lady fern	BI Se		Pj ^{23,34}		1200	700	600	4	12	20	PI Others	1.6 0.8	125
08 BI – Horsetail – Sphagnum	Bj ^{1,32} Se ^{1,32}		Pj ^{23,24}		1000	500	400	4	12	20	PI Others	1.2 0.6	125
09* PI – Dwarf blueberry – Sphagnum	PI ¹	Bj ^{1,32} Se ^{1,32}			400	200	200	4	12	20	PI Others	1.2 0.6	125
10 Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

* avoid logging

1 elevated microsites are preferred

23 restricted to trial use

24 suitable as major species in wetter portion of biogeoclimatic unit

32 limited by growing-season frosts

34 risk of snow damage

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFwc3 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Primary	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
01 BI – Rhododendron – Oak fern	BI Se		PI ³⁴		1200	700	600	4	12	20	PI Se BI	1.6 0.8 0.8	125
02 BI – Rhododendron – Queen's cup	BI Se		PI ³⁴		1000	500	400	7	15	20	PI Others	1.2 0.6	125
03* BI – Globeflower – Horsetail	BI ^{1,32,34} Se ^{1,32,34}				400	200	200	7	15	20	All	0.6	125

* avoid logging

1 elevated microsites are preferred

32 limited by growing-season frosts

34 risk of snow damage

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFwk1 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 BI – Oak fern – Brachythecium	BI Se	Pj ³⁴			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02 BI – Huckleberry – Feathermoss	BI Se	Pj ³⁴			1000	500	400	7	15	20	PI Others	1.2 0.6	125
03 BI – Oak fern – Knight's plume	Se	BI Pj ³⁴			1200	700	600	4	12	20	PI Others	1.6 0.8	125
04 BI – Twinberry – Lady fern	BI ³² Se ³²	Pj ³⁴			1200	700	600	4	12	20	PI Others	1.6 0.8	125
05 BI – Devil's club – Lady fern	BI Se	Pj ³⁴			1200	700	600	4	12	20	PI Others	1.6 0.8	125
06 BI – Horsetail – Sphagnum	BI ^{1,32} Se ^{1,32}				1000	500	400	4	12	20	All	0.6	125
07 BI – Lady fern – Horsetail	BI ^{1,32} Se ^{1,32}				1000	500	400	4	12	20	All	0.6	125
08 Scrub birch – Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

1 elevated microsites are preferred

32 limited by growing-season frosts

34 risk of snow damage

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ESSFwk2 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 BI – Oak fern – Knight's plume	BI Se				1200	700	600	4	12	20	All	0.8	125
02 BI – Oak fern – Sarsaparilla	BI Se				1200	700	600	4	12	20	All	0.8	125
03 BI – Oak fern – Bluebells	BI Se			Pj ³⁴	1200	700	600	4	12	20	PI Others	1.6 0.8	125
04 BI – Devil's club – Rhododendron	BI Se				1200	700	600	4	12	20	All	0.8	125
05 BI – Rhododendron – Lady fern	BI Se				1200	700	600	4	12	20	All	0.8	125
06 BI – Horsetail Sphagnum	BI ^{1,32} Se ^{1,32}				1000	500	400	4	12	20	All	0.6	125

¹ elevated microsites are preferred

³² limited by growing-season frosts

³⁴ risk of snow damage

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHmm — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 HwCw – Spruce – Step moss	Fd PI Sx ³⁵	Bl ²⁹ Cw Hw		At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
02 CwSxw – Soopolallie	Fd PI	Hw	Bl ²⁹ Cw Sx	At ^b Ep ^b	1000	500	400	4	9	15	PI, Fd Others	1.4 0.8	150
03 HwCw – Step moss	Fd Hw PI	Bl ²⁹ Sx	Cw	At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
04 CwHw – Oak fern	Cw ³² Hw ³² Sx ³⁵	Bl ²⁹ Fd ³² PI	Pw ³¹	Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI, Pw Fd Others	2.0 1.4 1.0	150
05 CwHw – Devil's club – Lady fern	Cw ³² Hw ³² Sx ³⁵	Bl ²⁹ Fd ^{1,32} Pj ¹		Act ^a At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150

1 elevated microsites are preferred
 29 risk of heavy browsing by moose
 31 risk of white pine blister rust

32 limited by growing-season frosts
 35 risk of weevil damage

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

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^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHmm — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) ⁺			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 CwSxw – Devil's club – Horsetail	Cw ^{1,32} Hw ^{1,32} Pj ¹ Sx ^{1,32,35}	Bl ^{1,29}		Act ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150
07* SbPI – Bog-laurel – Sphagnum	Pl ¹ Sb ¹ Sx ^{1,32,35}				400	200	200	4	9	15	PI Others	1.4 0.8	150
08* CwSxw – Skunk cabbage – Sphagnum	Cw ^{1,32} Hw ^{1,32} Sx ^{1,32,35}	Bl ^{1,29,32} Pl ¹			400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 risk of frost damage

35 risk of weevil damage

a productive, reliable, and feasible regeneration option

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHvk2 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 CwHw – Devil's club – Lady fern	Sx ³⁵	Bl Cw ^{32,37} Fd ^{3,9,32} Pj ³⁴	Hw ^{32,37}	Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd 1.4 Others 1.0	2.0 1.4 1.0	150
02* HwCw – Cladonia	Fd Hw ³⁷	Pj ³⁴	Cw ³⁷ Sx ³⁵		1000	500	400	7	12	15	PI Others 0.8	1.4 0.8	150
03 HwCw – Step moss	Fd	Pj ³⁴	Bl Cw ³⁷ Hw ³⁷ Sx ³⁵	At ^b Ep ^b	1200	700	600	4	9	15	PI Fd 1.4 Others 1.0	2.0 1.4 1.0	150
04 CwHw – Oak fern	Sx ³⁵	Bl Cw ³⁷ Fd ³ Pj ³⁴	Hw ³⁷	Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd 1.4 Others 1.0	2.0 1.4 1.0	150
05 Cw – Devil's club – Ostrich fern	Bl ¹ Sx ^{1,32,35}	Pj ^{1,34}	Cw ^{32,37} Hw ^{32,37}	Act ^b Ep ^b	1200	700	600	4	9	15	PI Others 1.0	2.0 1.0	150

* avoid logging

1 elevated microsites are preferred

3 restricted to coarse-textured soils

9 restricted to southerly aspects

32 limited by growing-season frosts

34 risk of snow damage

35 risk of weevil damage

37 risk of heart rots

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHvk2 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^a	Stocking standards (well-spaced/ha) ⁺			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06* CwSxw – Skunk cabbage	BI ¹ Sx ^{1,32,35}	Cw ^{1,32,37} Pj ^{1,34}	Hw ^{1,32,37}	Act ^b	1000	500	400	4	9	15	PI Others	1.4 0.8	150
07* Sb – Sphagnum	Pj ^{1,34}		Sb Sx ^{1,32,35}		400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

32 limited by growing-season frosts

34 risk of snow damage

35 risk of weevil damage

37 risk of heart rots

b limited in productivity, reliability, and/or feasibility

May 2001

^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHwk1 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 CwHw – Oak fern	Cw Fd ^{9,14} Hw Sx	BI ^{10,13}	LW ^{9,14,23,32} p ^{23,34} Pw ³¹		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 PIHw – Velvet-leaved blueberry	Fd PI		BI Cw Hw Pw ³¹ Sx		1000	500	400	7	12	15	Pl, Pw Fd Others	1.4 1.0 0.8	150
04 HwCw – Falsebox – Feathermoss	Fd ^{9,14}	Sx ^{10,13}	BI ^{10,13} Cw Hw LW ^{9,14,23,32} p ^{23,34} Pw ³¹		1200	700	600	4	9	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

32 limited by growing-season frosts

34 risk of snow damage

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHwk1 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
05 CwHw – Devil's club – Lady fern	Cw ³² Sx	Bl Fd ^{1,9,14,32} Hw ³² Lw ^{1,9,14,23,32}	Pi ^{23,34} Pw ³¹		1200	700	600	4	9	15	PI, Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
06 CwSxw – Devil's club – Horsetail	Bl ¹ Cw ^{1,32} Sx ¹	Hw ^{1,32}	Pi ^{1,23,34} Pw ^{1,31}		1000	500	400	4	9	15	PI, Pw Others	1.4 0.8	150
07 Act – Dogwood – Twinberry	Cw ^{1,32} Sx	Bl ¹ Hw ^{1,32}	Pw ^{1,31}		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	Pi ^{23,34}		1000	500	400	4	9	15	PI Others	1.4 0.8	150
09 Sedge – Sphagnum	non-forested				–	–	–	–	–	–	–	–	–

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

May 2001

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHwk3 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 CwHw – Oak fern	Cw ³⁷ Sx	Bl ²⁹ Fd ³² Hw ³⁷ Pj ³⁴		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
02* Hw – Azalea – Cladonia	Pj ³⁴	Hw ³⁷	Sx		1000	500	400	7	12	15	PI Others	1.4 0.8	150
03 CwSxw – Prince's pine – Cat's-tail moss	Fd	Hw ³⁷ Pj ³⁴	Bl ²⁹ Cw ³⁷ Sx	At ^b Ep ^b	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
04 HwCw – Step moss	Fd PI	Hw ³⁷	Bl ²⁹ Cw ³⁷ Sx	At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
05 CwHw – Devil's club – Lady fern	Cw ^{32,37} Fd ^{1,32} Sx ³⁵	Bl ²⁹ Pj ³⁴	Hw ^{32,37}	Act ^a At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

34 risk of snow damage

35 risk of weevil damage

37 risk of heart rots

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

ICHwk3 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 CwSxw – Devil's club – Horsetail	Cw ^{32,37} Sx ^{1,32,35}	BJ ^{1,29,32} PJ ^{1,34}	Hw ^{32,37}	Act ² At ^a Ep ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150
07* Hw – Wood horsetail – Sphagnum	PJ ^{1,34}	Hw ^{32,37} Sx ^{1,32,35}	Cw ^{32,37}	Act ^b At ^a Ep ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150
08* CwSxw – Skunk cabbage	Cw ^{1,32,37} Sx ^{1,32,35}	BJ ^{1,29,32} Hw ^{1,32,37}		Act ^b	1000	500	400	4	9	15	All	0.8	150
09* PISb – Sedge – Sphagnum	PJ ^{1,34}	BJ ^{1,29,32}	Sb		400	200	200	3	8	11	PI Sb	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

34 risk of snow damage

35 risk of weevil damage

37 risk of heart rots

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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



ICHwk4 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 CwHw – Oak fern	Fd PI Sx	BI Cw ³⁷ Hw ³⁷		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
02* HwCw – Cladonia	Fd PI		Bl ²⁸ Hw ^{28,37}	At ^b	1000	500	400	7	12	15	PI Fd Others	1.4 1.0 0.8	150
03* CwSxw – Soopolallie	Fd PI		Hw ^{28,37} Sx ²⁸	At ^b	1000	500	400	7	12	15	PI Fd Others	1.4 1.0 0.8	150
04 CwSxw – Velvet-leaved blueberry	Fd ³² PI Sx ²⁸	Bl ²⁸ Hw ³²		At ^b	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
05 HwCw – Step moss	Fd PI	Hw ³⁷	Bl ²⁸ Cw ^{28,37} Sx ²⁸	At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150

* avoid logging

²⁸ limited by moisture deficit

³² limited by growing-season frosts

³⁷ risk of heart rots

^a productive, reliable, and feasible regeneration option

^b limited in productivity, reliability, and/or feasibility

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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



ICHwk4 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 Sxw – Twinberry – Oak fern	Sx ³²	BI ³² PI	Hw ^{27,32,37}	Act ^a At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
07 CwHw – Devil's club – Lady fern	Fd ^{1,32} Sx	BI Cw ^{32,37} Hw ^{32,37} PI		Act ^a At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
08 Sxw – Devil's club – Lady fern	Sx ^{1,32}	BI ^{1,32} PI ¹ Cw ^{1,32,37}		Act ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150

¹ elevated microsites are preferred

²⁷ partial canopy cover required for successful establishment

³² limited by growing-season frosts

³⁷ risk of heart rots

^a productive, reliable, and feasible regeneration option

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBPSmc — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 PI – Feathermoss – Cladina	PI		Sb Sx	At ^b	1200	700	600	7	12	15	PI Others	1.6 0.8	150
02* PI – Kinnikinnick – Cladonia	PI		Sb Sx	At ^b	1000	500	400	7	12	15	PI Others	1.2 0.6	150
03 SbPI – Feathermoss	PI		Sb Sx	At ^b	1200	700	600	7	12	15	PI Others	1.6 0.8	150
04 Sxw – Scrub birch – Feathermoss	PI Sb Sx ³²			At ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150
05 Sxw – Horsetail	Sx ^{1,32}	PI ¹	Sb ⁵³	Act ^a	1000	500	400	4	9	15	PI Others	1.2 0.6	150
06 Sxw – Horsetail – Glow moss	Sx ^{1,32}	PI ¹	Sb ⁵³	Act ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150
07* SbSxw – Scrub birch – Sedge	PI ¹ Sb ¹ Sx ^{1,32}				400	200	200	4	9	15	PI Others	1.2 0.6	150

* 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

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSdh — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Primary	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
01 SxwFd – Ricegrass	Fd PI Sx	Bl ²⁹		At ^Δ Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
02* PI – Velvet-leaved blueberry – Cladonia	PI		Sx		1000	500	400	7	12	15	PI Sx	1.4 0.8	150
03* FdPI – Pinegrass – Feathermoss	Fd Lw ²³ PI		Pw ^{16,31}		1000	500	400	7	12	15	PI, Pw Lw Fd	1.4 1.4 1.0	150
04 PI – Pinegrass – Feathermoss	Fd PI	Sx ²⁸			1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
05 PI – Labrador tea – Velvet-leaved blueberry	PI		Sb Sx ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150

* avoid logging

16 restricted to southern portion of biogeoclimatic unit in region

23 restricted to trial use

28 limited by moisture deficit

29 risk of heavy browsing by moose

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

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSdh — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
06 SxwFd – Thimbleberry	Fd Sx	Bi ²⁹ Pi		At ^a Ep ^a	1200	700	600	7	12	15	PI 2.0 Fd 1.4 Others 1.0	150
07 Sxw – Horsetail	Fd ^{1,32} Pi ¹ Sx ^{1,32}	Bi ^{1,29,32}		Act ^a At ^a Ep ^a	1000	500	400	4	9	15	PI 1.4 Fd 1.0 Others 0.8	150
08* Sb – Scrub birch – Sedge	Pi ¹ Sb ¹ Sx ^{1,32}				400	200	200	4	9	15	PI 1.4 Others 0.8	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSdk — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Primary	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Spirea – Purple peavine	PI Sx	Fd ^{9,18}			At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	15
02* PI – Juniper – Ricegrass	PI	Sx ²⁸			At ^b Ep ^b	1000	500	400	7	12	15	PI Sx	1.4 0.8	150
03* PI – Feathermoss – Cladina	PI	Sb ²⁸ Sx ²⁸			At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
04 Fd – Soopolallie – Feathermoss	Fd PI	Sx ²⁸			At ^b Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
05 Sxw – Spirea – Feathermoss	PI Sx ²⁸	Fd ^{9,18}			At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150

* avoid logging

9 restricted to southerly aspects

18 restricted to eastern portion of biogeoclimatic unit in region

28 limited by moisture deficit

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSdk — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 Sxw – Twinberry – Coltsfoot	Pl Sx	Fd ^{3,9,32}		Act ² At ^a Ep ^a	1200	700	600	4	9	15	Pl Fd Sx	2.0 1.4 1.0	150
07 Sxw – Horsetail	Sx ^{1,32}	Pl ¹		Act ^b At ^b Ep ^b	1000	500	400	4	9	15	Pl Sx	1.4 0.8	150
08 Act – Dogwood – Prickly rose	Sx ^{1,32}	Pl ¹		Act ² At ^a Ep ^a	1200	700	600	4	9	15	Pl Sx	2.0 1.0	150
09* Sb – Creeping-snowberry – Sphagnum	Pl ¹ Sb ¹				400	200	200	4	9	15	Pl Sb	1.4 0.8	150
10* Sb – Soft-leaved sedge – Sphagnum	Pl ¹ Sb ¹ Sx ^{1,32}				400	200	200	4	9	15	Pl Others	1.4 0.8	150
81 Saskatoon – Slender wheatgrass	non-forested				–	–	–	–	–	–	–	–	–
82 Bluegrass – Slender wheatgrass	non-forested				–	–	–	–	–	–	–	–	–

* avoid logging

1 elevated microsites are preferred

3 restricted to coarse-textured soils

9 restricted to southerly aspects

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility (#a on freely drained phase of 07)

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^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSdw1 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 SxwFd – Pinegrass	Fd PI Sx ²⁸			At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
02* FdPI – Cladonia	Fd ²⁸ PI			At ^b	1000	500	400	7	12	15	PI Fd	1.4 1.0	150
03 Fd – Saskatoon – Pinegrass	Fd ²⁷ PI			At ^b	1200	700	600	7	12	15	PI Fd	2.0 1.4	150
04 PI – Pinegrass – Feathermoss	Fd ³² PI Sx ²⁸			At ^b Ep ^b	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
05 SxwFd – Ricegrass	Fd PI Sx			At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150

* avoid logging

27 partial canopy cover required for successful establishment

28 limited by moisture deficit

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines⁺ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

SBSdw1 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment			Min. tree height (m)	% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 SxwFd – Thimbleberry	Fd PI Sx	Bl ²⁹		Act ^b At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
07 Sxw – Twinberry – Coltsfoot	Fd ^{1,32} PI Sx	Bl		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
08 Sxw – Twinberry – Oak fern	Fd ^{1,32} Sx	Bl ³² PI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
09 Sxw – Horsetail – Glow moss	Sx ^{1,32}	Bl ^{1,32} P1 ¹		Act ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150

1 elevated microsites are preferred
 29 risk of heavy browsing by moose
 32 limited by growing-season frosts

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

^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines
⁺ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

SBSdw2 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 SxwFd – Pinegrass	Fd ³² PI Sx			At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
02* FdPI – Cladonia	Fd ²⁸ PI				1000	500	400	7	12	15	PI Fd	1.4 1.0	150
03 PI – Kinnikinnick – Wavy-leaved moss	Fd ^{28,32} PI			At ^b	1200	700	600	7	12	15	PI Fd	2.0 1.4	150
04 Fd – Pinegrass – Aster	Fd ²⁷ PI			At ^b	1200	700	600	7	12	15	PI Fd	2.0 1.4	150
05 SxwFd – Cat's tail moss	Fd PI Sx			At ^b Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150

* avoid logging

27 partial canopy cover required for successful establishment

28 limited by moisture deficit

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines* **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred



SBSdw2 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 PI – Pinegrass – Feathermoss	Fd ³² PI Sx ²⁸			At ^b Ep ^b	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
07 PISb – Feathermoss	PI		Sb Sx	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
08 Sxw – Twinberry	Sx	Bl ²⁹ Fd ^{1,3,9,32} PI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
09 Sxw – Devil's club – Knight's plume	Fd PI Sx	Bl ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150

1 elevated microsites are preferred
 3 restricted to coarse-textured soils
 9 restricted to southerly aspects

28 limited by moisture deficit
 29 risk of heavy browsing by moose
 32 limited by growing-season frosts

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

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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



SBSdw2 — Prince George (continued)**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
10 Sxw – Horsetail	Sx ^{1,32}	Bl ^{1,29,32} p ¹		Act ³	1000	500	400	4	9	15	PI Others	1.4 0.8	150
11* Sb – Soft-leaved sedge – Sphagnum	Sx ^{1,32}	p ¹	Sb ¹		400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines⁺ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

SBSdw3 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^a	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 SxwFd – Pinegrass	Fd PI Sx			At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
02 FdPI – Cladonia	Fd ²⁷ PI		Sx ²⁸		1000	500	400	7	12	15	PI Fd	1.4 1.0	150
03 PI – Feathermoss – Cladina	PI		Sx	At ^b	1200	700	600	7	12	15	PI Sx	2.0 1.0	150
04 SxwFd – Ricegrass	Fd PI		Sx	At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
05 PISb – Feathermoss	PI		Sb Sx ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150

27 partial canopy cover required for successful establishment

28 limited by moisture deficit

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSdw3 — Prince George (continued)
Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 Sxw – Pink spirea – Prickly rose	PI Sx ³²	Bl ²⁹ Fd ³²	Sb	Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
07 Sxw – Twinberry	Sx	Bl ²⁹ PI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
08 Sxw – Oak fern	PI Sx	Bl ²⁹ Fd ^{3,32}		Act ^a At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
09 Sxw – Horsetail – Glow moss	PI ¹ Sx ^{1,32}	Bl ^{1,29}			1000	500	400	4	9	15	PI Others	1.4 0.8	150
10* Sb – Soft-leaved sedge – Sphagnum	Lt ¹ PI ¹ Sb ¹ Sx ^{1,32}				400	200	200	4	9	15	PI Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

3 restricted to coarse-textured soils

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSmc2 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Huckleberry	PI Sx	Bl ²⁹		At ^a	1200	700	600	7	12	15	PI Others	1.6 0.8	150
02* PI – Huckleberry – Cladonia	PI		Bl ³² Sx ³²	At ^b	1000	500	400	7	12	15	PI Others	1.2 0.6	150
03 SbPI – Feathermoss	PI	Bl ²⁹ Sb Sx ³²		At ^b	1200	700	600	7	12	15	PI Others	1.6 0.8	150
04 Sxw – Huckleberry – Dwarf blueberry	PI Sx	Bl ²⁹		At ^b	1200	700	600	4	9	15	PI Others	1.6 0.8	150
05 Sxw – Twinberry – Coltsfoot	PI Sx	Bl ²⁹		Act ³ At ^a	1200	700	600	4	9	15	PI Others	1.6 0.8	150
06 Sxw – Oak fern	PI Sx	Bl ²⁹		Act ^b At ^a	1200	700	600	4	9	15	PI Others	1.6 0.8	150
07 Sxw – Scrub birch – Feathermoss	PI Sb Sx ³²		Bl ⁵³	At ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150

* avoid logging

29 risk of heavy browsing by moose

32 limited by growing-season frosts

53 minor component

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSmc2 — Prince George (continued)**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
08 Sxw – Twinberry – Oak fern	Pl Sx	Bl ²⁹		Act ^b At ^a	1200	700	600	4	9	15	PI Others	1.6 0.8	150
09 Sxw – Devil's club	Sx	Bl ²⁹ Pl		Act ^b At ^a	1200	700	600	4	9	15	PI Others	1.6 0.8	150
10 Sxw – Horsetail	Sx ^{1,32}	Bl ^{1,29,32} Pl ¹		Act ^b At ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150
11 Sxw – Horsetail – Glow moss	Sx ^{1,32}	Bl ^{1,29,32} Pl ¹		Act ^b	1000	500	400	4	9	15	PI Others	1.2 0.6	150
12* SbSxw – Scrub birch – Sedge	Pl ¹ Sb ¹ Sx ^{1,32}				400	200	200	4	9	15	PI Others	1.2 0.6	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility (#a on fluvial phases of 09 and 10)

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines* **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

SBSmc3 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Huckleberry	PI Sx	Bl ²⁹			1200	700	600	7	12	15	PI Others	1.6 0.8	150
02 PI – Juniper – Dwarf blueberry	PI		Sx		1200	700	600	7	12	15	PI Sx	1.6 0.8	150
03 PI – Feathermoss – Cladina	PI		Sx		1200	700	600	7	12	15	PI Sx	1.6 0.8	150
04 Sxw – Huckleberry – Soopolallie	PI Sx ²⁸			Bl ^{28,29} Sb	1200	700	600	7	12	15	PI Others	1.6 0.8	150
05 Sb – Huckleberry – Spirea	PI			Sb Sx ³²	1200	700	600	7	12	15	PI Others	1.6 0.8	150
06 SbPI – Feathermoss	PI			Sb Sx ³²	1200	700	600	7	12	15	PI Others	1.6 0.8	150

²⁸ limited by moisture deficit

²⁹ risk of heavy browsing by moose

³² limited by growing-season frosts

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSmc3 — Prince George (continued)**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07 Sxw – Twinberry	Pl Sx	Bl ²⁹	Sb	Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	1.6 0.8	150
08 Sxw – Horsetail	Sx ^{1,32}	Bl ^{1,29,32} Pl ¹	Sb	Act ^a	1000	500	400	4	9	15	PI Others	1.2 0.6	150
09* SbSxw – Scrub birch – Sedge	Pl ¹ Sb ¹ Sx ^{1,32}				400	200	200	4	9	15	PI Others	1.2 0.6	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines⁺ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

SBSmh — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 SxwFd – Hazelnut	Fd PI Sx	Bl ²⁹		Act ^b At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
02* FdPI – Cladonia	Fd ²⁸ PI			At ^b Ep ^b	1000	500	400	7	12	15	PI Fd	1.4 1.0	150
03 FdPI – Velvet-leaved blueberry – Cladonia	Fd PI Sx ²⁸	Bl ²⁹		At ^b Ep ^b	1000	500	400	7	12	15	PI Fd Others	1.4 1.0 0.8	150
04 Fd – Douglas maple – Step moss	Fd ²⁸		Bl ^{28,29} Sx ²⁸	At ^b Ep ^a	1200	700	600	7	12	15	Fd Others	1.4 1.0	150
05 SxwFd – Feathermoss	Fd ³² PI Sx	Bl ²⁹		Act ^b At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150

* avoid logging

28 limited by moisture deficit

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSmh — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 SxwFd – Coltsfoot	Fd ³² PI Sx	BI ²⁹		Act ^b At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
07 SxwEp – Devil's club	Fd Sx	BI ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	Fd Others	1.4 1.0	150
08 Sxw – Ostrich fern	Fd Sx	BI ²⁹		Act ^a At ^a Ep ^a	1200	700	600	4	9	15	Fd Others	1.4 1.0	150
09 Sxw – Horsetail – Glow moss	Sx ^{1,32}	BI ^{1,29}		Act ^a	1000	500	400	4	9	15	All	0.8	150

1 elevated microsites are preferred
 29 risk of heavy browsing by moose
 32 limited by growing-season frosts

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

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines
⁺ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

SBSmk1 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Primary	Conifer species			Broadleaf species ^a	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
01 Sxw – Huckleberry – Highbush-cranberry	PI Sx	BI ²⁹ Fd ^{3,32}		At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
02* PI – Cladina – Step moss	PI		Sx ²⁸	At ^b	1200	700	600	7	12	15	PI Sx	2.0 1.0	150
03 PI – Feathermoss – Cladina	PI		Sx	At ^b	1200	700	600	7	12	15	PI Sx	2.0 1.0	150
04 SxwFd – Knight's plume	Fd PI		BI ^{28,29} Sx ²⁸	At ^b Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
05 SxwFd – Toad flax	PI Sx	Fd ^{3,32}	BI ²⁹	At ^a Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150

* avoid logging

3 restricted to coarse-textured soils

28 limited by moisture deficit

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSmk1 — Prince George (continued)**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Primary	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 Sb – Huckleberry – Spirea	Pl			Sb Sx ³²	At ^b	1200	700	600	7	12	15	Pl Others	2.0 1.0	150
07 Sxw – Oak fern	Pl Sx	Bl ²⁹ Fd ^{3,8,32}			Act ^b At ^a Ep ^a	1200	700	600	4	9	15	Pl Fd Others	2.0 1.4 1.0	150
08 Sxw – Devil's club	Sx ³²	Bl ^{29,32} Pl			Act ^b At ^a Ep ^a	1200	700	600	4	9	15	Pl Others	2.0 1.0	150
09 Sxw – Horsetail	Sx ^{1,32}	Bl ^{1,29,32} Pl ¹		Sb	Act ^a At ^a	1000	500	400	4	9	15	Pl Others	1.4 0.8	150
10* Sb – Scrub birch – Sedge	Pl ¹ Sb ¹ Sx ^{1,32}					400	200	200	4	9	15	Pl Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

3 restricted to coarse-textured soils

8 restricted to steep slopes

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines* **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred

SBSmk2 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Huckleberry – Highbush-cranberry	PI Sx	BI ²⁹		At ^a Ep ^a	1200	700	600	7	12	15	PI Others	2.0 1.0	150
02* PI – Feathermoss – Cladina	PI		Sx	At ^b	1200	700	600	7	12	15	PI Sx	2.0 1.0	150
03 Sxw – Huckleberry – Soopolallie	PI Sx ²⁸		BI ²⁹	At ^a Ep ^a	1200	700	600	7	12	15	PI Others	2.0 1.0	150
04 Sb – Huckleberry – Spirea	PI		Sb Sx ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
05 Sxw – Oak fern	PI Sx ³²	BI ^{29,32}		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
06 Sxw – Horsetail	Sx ^{1,32}	BI ^{1,29,32} PI ¹		Act ^a At ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

28 limited by moisture deficit

29 risk of heavy browsing by moose

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 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSmw — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
01 SxwFd – Falsebox	Fd PI Sx	BI		Act ^b At ^a Ep ^a	1200	700	600	7	12	15	PI 2.0 Fd 1.4 Others 1.0	150
02* FdBI – Huckleberry	Fd PI		BI ²⁸ Sx ²⁸	At ^b Ep ^b	1000	500	400	7	12	15	PI 1.4 Fd 1.0 Others 0.8	150
03 PI – Huckleberry – Velvet-leaved blueberry	Fd ³² PI		BI ³² Sx ³²	At ^b	1200	700	600	7	12	15	PI 2.0 Fd 1.4 Others 1.0	150
04 SxwFd – Knight's plume	Fd PI Sx ²⁸	BI ²⁸		At ^b Ep ^a	1200	700	600	7	12	15	PI 2.0 Fd 1.4 Others 1.0	150
05 Sxw – Pink spirea	PI Sx ³²	BI ³²		Act ^b At ^a	1200	700	600	4	9	15	PI 2.0 Others 1.0	150

* avoid logging

28 limited by moisture deficit

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSmw — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
06 Sxw – Oak fern	Fd PI Sx	Bl ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI 2.0 Fd 1.4 Others 1.0	150
07 Sxw – Twinberry – Oak fern	Bl ³² PI Sx ³²			Act ^a At ^b	1200	700	600	4	9	15	PI 2.0 Others 1.0	150
08 Sxw – Devil's club	Fd ³² Sx	Bl PI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI 2.0 Fd 1.4 Others 1.0	150
09 Sxw – Horsetail	Sx ^{1,32}	Bl ^{1,32} Pj ¹		Act ^a	1000	500	400	4	9	15	PI 1.4 Others 0.8	150
10* SbSxw – Scrub birch – Sedge	Pl ¹ Sx ^{1,32}		Sb		400	200	200	4	9	15	PI 1.4 Others 0.8	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

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 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSvk — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Primary	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
		Secondary	Tertiary			TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Devil's club	Sx ³⁵	BI Fd ^{3,9} Pj ³⁴			Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
02 PI – Huckleberry – Velvet-leaved blueberry	PI			BI ³² Sx ^{32,35}	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
03* SxwFd – Thimbleberry	Fd Sx ³⁵	BI PI ³⁴			At ^b Ep ^a	1200	700	600	7	12	15	PI Fd Others	2.0 1.4 1.0	150
04 Sxw – Oak fern	Sx ³⁵	BI Fd ^{3,9} Pj ³⁴			Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Fd Others	2.0 1.4 1.0	150
05 Sxw – Devil's club – Spiny wood fern	Sx ^{1,32,35}	BI ^{1,32} Pj ^{1,34}			Act ^a At ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150

* avoid logging

1 elevated microsites are preferred

3 restricted to coarse-textured soils

9 restricted to southerly aspects

32 limited by growing-season frosts

34 risk of snow damage

35 risk of weevil damage

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines⁺ TSS – target stocking standards MSS – minimum stocking standards pa – preferred and acceptable p – preferred

SBSvk — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 Sxw – Horsetail	Sx ^{1,32}	Bl ^{1,32} p ^{1,34}		Act ³ At ³	1000	500	400	4	9	15	PI Others 0.8	1.4 0.8	150
07 Sxw – Devil's club – Ostrich fern	Sx ^{1,32}	Bl ^{1,32} p ^{1,34}		Act ³	1200	700	600	4	9	15	PI Others 1.0	2.0 1.0	150
08* SbPI – Bog-laurel – Sphagnum	PI ¹ Sb ¹ Sx ^{1,32}				400	200	200	4	9	15	PI Others 0.8	1.4 0.8	150
09 PI – Huckleberry – Cladina	PI		Bl ^{28,29} Sx ²⁸		1000	500	400	7	12	15	PI Others 0.8	1.4 0.8	150
10 Sxw – Skunk cabbage	Bl ¹ Sx ¹				1000	500	400	4	9	15	PI Others 0.8	1.4 0.8	150
11 Mountain alder – Lady fern	non-forested												

* avoid logging

1 elevated microsites are preferred

28 limited by moisture deficit

29 risk of heavy browsing by moose

32 limited by growing-season frosts

34 risk of snow damage

a productive, reliable, and feasible regeneration option

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSwk1 — Prince George**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ^Δ	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
01 Sxw – Oak fern	Fd ³² PI Sx	BI ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI 2.0 Fd 1.4 Others 1.0	150
02* PI – Huckleberry – Cladina	Fd PI		BI ²⁹ Sx		1000	500	400	7	12	15	PI 1.4 Others 0.8	150
03 PI – Huckleberry – Velvet-leaved blueberry	Fd PI	Sx ²⁸	BI	At ^b	1200	700	600	7	12	15	PI 2.0 Fd 1.4 Others 1.0	150
04 SxwFd – Knight's plume	Fd PI Sx ²⁸	BI ^{28,29}		At ^b Ep ^a	1200	700	600	7	12	15	PI 2.0 Fd 1.4 Others 1.0	150
05 Sxw – Huckleberry – Highbush-cranberry	Fd PI Sx	BI ²⁹		At ^a Ep ^a	1200	700	600	7	12	15	PI 2.0 Fd 1.4 Others 1.0	150

* avoid logging

28 limited by moisture deficit

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines⁺ **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred



SBSwk1 — Prince George (continued)

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
06 Sxw – Pink spirea – Oak fern	PI Sx ³²	BI ^{29,32}	Sb	Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
07 Sxw – Twinberry – Oak fern	Sx ³²	BI ^{29,32} PI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
08 Sxw – Devil's club	Sx	BI ²⁹ PI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
09 Sxw – Horsetail	Sx ^{1,32}	BI ^{29,32} p ¹		Act ^a At ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150
10 Sxw – Devil's club – Lady fern	Sx ^{1,32}	BI ^{1,29,32} p ¹		Act ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150
11* SbSxw – Scrub birch – Sedge	PI ¹ Sb Sx ^{1,32}		BI ^{1,32}		400	200	200	4	9	15	PI Others	1.4 0.8	150
12 SbPI – Feathermoss	PI		Sb Sx ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150

* avoid logging

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

May 2001

^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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



SBSwk2 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Oak fern	PI Sx	BI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
02* PI – Huckleberry – Cladina	PI		BI ²⁸ Sx ²⁸		1000	500	400	7	12	15	PI Others	1.4 0.8	150
03 Sxw – Huckleberry – Highbush-cranberry	PI Sx	BI		At ^b Ep ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
04 SbPI – Feathermoss	PI		Sb Sx ³²	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
05 Sxw – Devil's club	BI ³² Sx ³²	PI		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
06 Sxw – Horsetail	BI ^{1,32} Sx ^{1,32}	PI ¹		Act ^a At ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150

* avoid logging

1 elevated microsites are preferred

28 limited by moisture deficit

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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^Δ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSwk3 — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Oak fern	PI Sx ³⁵	Bl ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
02 PI – Huckleberry – Cladina	PI		Bl ²⁸ Sx ^{28,35}		1000	500	400	7	12	15	PI Others	1.4 0.8	150
03 SxwFd – Purple peavine	Fd ¹⁶ PI	Sx ^{28,35}		At ^b Ep ^b	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
04 Sxw – Huckleberry – Highbush-cranberry	PI Sx ³⁵	Bl		At ^a Ep ^a	1200	700	600	7	12	15	PI Others	2.0 1.0	150
05 Sb – Labrador tea	PI		Sb Sx ³⁵	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
06 Sxw – Twinberry – Coltsfoot	PI Sx ³⁵	Bl ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150

16 restricted to southern portion of biogeoclimatic unit in region

28 limited by moisture deficit

29 risk of heavy browsing by moose

35 risk of weevil damage

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

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¹ See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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

SBSwk3 — Prince George (continued)**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
07 Sxw – Devil's club	Sx ^{32,35}	Bl ^{29,32} P1		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
08 Sxw – Horsetail	Sx ^{1,32,35}	Bl ^{1,29,32} P1 ¹		Act ^a At ^a	1000	500	400	4	9	15	PI Others	1.4 0.8	150

1 elevated microsites are preferred

29 risk of heavy browsing by moose

32 limited by growing-season frosts

35 risk of weevil damage

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines* **TSS** – target stocking standards **MSS** – minimum stocking standards **pa** – preferred and acceptable **p** – preferred



SBSwk3a — Prince George

Tree Species Selection and Free Growing Stocking Standard Guidelines

Site series	Conifer species			Broadleaf species ^a	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush	
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)			
01 Sxw – Oak fern	Fd ³² PI Sx	BI ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150
02 PI – Huckleberry – Cladina	PI		BI ²⁸ Sx ²⁸		1000	500	400	7	12	15	PI Others	1.4 0.8	150
03 SxwFd – Purple peavine	Fd PI	Sx ²⁸		At ^b Ep ^b	1200	700	600	7	12	15	PI Fd Sx	2.0 1.4 1.0	150
04 Sxw – Huckleberry – Highbush-cranberry	Fd PI Sx	BI		At ^a Ep ^a	1200	700	600	7	12	15	PI Others	2.0 1.0	150
05 Sb – Labrador tea	PI		Sb Sx	At ^b	1200	700	600	7	12	15	PI Others	2.0 1.0	150
06 Sxw – Twinberry – Coltsfoot	PI Sx	BI ²⁹		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others	2.0 1.0	150

28 limited by moisture deficit

29 risk of heavy browsing by moose

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability, and/or feasibility

Continued next page

^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines

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



SBSwk3a — Prince George (continued)**Tree Species Selection and Free Growing Stocking Standard Guidelines**

Site series	Conifer species			Broadleaf species ¹	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. tree height (m)	% tree over brush
	Primary	Secondary	Tertiary		TSSpa	MSSpa	MSSp		Early (yrs)	Late (yrs)		
07 Sxw – Devil's club	Fd ³² Sx ³²	Bl ^{29,32} Pi		Act ^b At ^a Ep ^a	1200	700	600	4	9	15	PI Others 1.0	2.0 150
08 Sxw – Horsetail	Sx ³²	Bl ^{1,29,32} Pi ¹		Act ^a At ^a	1000	500	400	4	9	15	PI Others 0.8	1.4 150

1 elevated microsites are preferred
 29 risk of heavy browsing by moose
 32 limited by growing-season frosts

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

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^a See Interior Broadleaf guidelines on page 109 and Appendix 6 on page 131 for stocking standard and free growing guidelines
 * **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 [‡] 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

May 2000

* 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

