

Weyerhaeuser Company Limited. BC Interior Forestlands
Appendix 5 - TFL 35 Management Plan #9

Silviculture Standards

Activity	Establishment to Free Growing KFR (2000) Guidebook	Enhanced Silviculture MP #7	Enhanced Silviculture MP #8	Enhanced Silviculture MP #9
Regeneration Delay	Planting 4 Years Natural Regen 7 Years	Plant – 2 yrs after logging Natural – 6 years after logging	Natural 6 Years Planted 3 Years (2 years after harvest)	Natural – 6 Planted – 3 Average actual regeneration delay is 1 year.
Reforestation Method and Species	As per MOF Regulations, Standards and Guidelines	Refer to Table 2-3 (Regeneration Prescriptions)	Appendix 6 – Replacement Stand Strategies	Refer to Stand Replacement Strategies. Optimum use of genetically improved stock.
Site Preparation	0 – 3 yrs after logging	First summer after logging	First summer after logging	First summer after logging
Target (Minimum) Establishment Density	PI: 1300 – 1500 stems/ha Other Species: 1100 – 1300 stem/ha	PI: 1600 Stems/ha Other Species: 1100 – 1300 stems/ha	PI: 1450 Stems/ha This assumes 1450 sph planted (3 yrs regen delay) and 150 naturals (6 yrs regen delay) = 1600 (all species)	All Species: 1600 – 1800 Stem/ha
Minimum Stocking at Regeneration Delay being declared	PI: 500 – 700 sph Other Species: 500 - 700	PI: 1280 stems/ha Other Species: 880 – 1040 stems/ha	PI: 1280 stems/ha Other Species: 880 – 1040 stems/ha. 80% of target establishment density	PI: 1280 stems/ha Other Species: to within 20% of the Establishment to Free Growing Guidebook KFR (2000) target.
Target Free Growing Standards	PI: 1000 – 1400 stems/ha Other Species: 1000 – 1200 stems/ha	PI: 1200 – 1400 stems/ha Other Species: 1000 – 1200 sph	PI: 1200 sph Other Species: As per Establishment to FG Guidebook KFR (2000)	PI: 1200 sph Other Species: Establishment to Free Growing Guidebook KFR (2000) target
Minimum Free Growing Stocking Standard	PI: 500 – 700 sph. Other Species: 500 – 700 sph	PI: 1000 – 1120 sph Other Species: 800 – 960 sph	PI 1000 – 1120 sph Other Species 800 – 960 sph	PI: 1000 sph Other Species: to within 20% of the Establishment to Free Growing Guidebook KFR (2000) target.
Survival, Regeneration & Free Growing Surveys	As per MOF Regulations, Standards and Guidelines	As per MOF Regulations, Standards & Guidelines and additional provisions in Section 2.6 (E)(e)(I)(iii) Further, at least one more survey will be conducted while stand age is between 15 and 35 years.	As per MOF Regulations, Standards & Guidelines and additional provisions in Section 2.6 (E)(e)(I)(iii) Further, at least one more survey will be conducted while stand age is between 15 and 35 years.	As per MOF Regulations, Standards & Guidelines. Further, at least one more survey will be conducted while stand age is between 15 and 35 years.
Stand Tending (to free growing)	Estimated that 40% of planted areas and 60% of naturally regenerating areas will be treated for survival and/or free growing.	Estimated that 66% of planted areas and 90% of naturally regenerating areas will be treated for survival and/or free growing (previous tables identify goals).	Estimated that 66% of planted areas and 90% of naturally regenerating areas will be treated for survival and/or free growing (refer to Section F(5)(j)).	Stand tending will be focused on Brushing and weeding stand to ensure a free growing stand. It is expect that spacing and pruning will be minimal on TFL 35. The current direction for stand density management is towards managing higher density stands resulting in higher stand value.
Stand tending (beyond free growing)		Performed as required to maintain volume indicated from the yield curves used in calculating the allowable annual cut.	Performed as required to maintain volume indicated from the yield curves used in calculating the allowable annual cut.	Performed as required to maintain volume indicated from the yield curves used in calculating the allowable annual cut and to improve stand value.

TFL 35		Stand Replacement Strategies										Establishment to Free Growing Guidebook Stocking KFR (2000)					Basic stocking requirements for reference only			Comments
Productivity group	BEC	Site Series	Area	Percent	Management Zone						Primary	Second	Tertiary	Decid	Regen Delay	TSSpa	MSSpa	MSSp		
					General		Mule Deer		Special										Landscape	
TFL 35 Yield	Curve Inputs				Strategy	SI	Strategy	SI	Strategy	SI	Strategy	SI								
1	MSdm2	01	14304.7	40.01%	PI 100	21.5	Fd 50 PI 50	21	PI 80 Sx 20	21.5	PI 100	21.5	PI Sx	Bl, Fd	Lw	At	7	1200	700	600
1	MSdm2	04	3541.8	9.91%	PI 100	21.5	Fd 50 PI 50	21	PI 90 Fd 10	21.5	PI 100	21.5	PI	Fd, Sx	Bl, Lw	At	7	1200	700	600
1	MSdm2	05	1708.2	4.78%	PI 100	21.5	Fd 70 PI 30	21	Sx 50 Fd 50	22	PI 100	21.5	PI Sx	Bl, Fd	Cw, Lw	Act, At	4	1200	700	600
1	ICHmk2	01	395.2	1.11%	PI 100	21.5	Fd 50 PI 50	21	N/A		PI 100	21.5	Fd, PI Sx	Bl	Cw, Lw	At, Ep, Act	7	1200	700	600
1	ICHmk2	04	159.7	0.45%	PI 100	21.5	Fd 50 PI 50	21	N/A		PI 100	21.5	Fd, PI	Sx, Bl	Cw, Lw	At, Ep	7	1200	700	600
1	MSdm2	06	150.1	0.42%	Sx 80 PI 20	22	Fd 70 PI 30	21	Sx 50 Fd 50	22	Sx 80 PI 20	21.5	PI Sx	Bl, Fd	Lw	Act, At	4	1200	700	600
1	IDFdk2	07	21.8	0.06%	PI 70 Sx 30	21.5	PI 70 Sx 30	21.5	N/A		PI 70 Sx 30	21.5	PI Sx		Bl, Cw	Act, At, Ep	4	1000	500	400
1	IDFdk2	05	14	0.04%	PI 90 Fd 10	21.5	Fd 70 PI 30	21	N/A		PI 90 Fd 10	21.5	Fd, Sx	PI	Bl, Cw, Lw	Act, At, Ep	4	1200	700	600
1	ICHmk2	05	3.1	0.01%	Fd 70 PI 30	21	Fd 70 PI 30	21	N/A		Fd 70 PI 30	21	Fd, PI Sx	Bl	Cw	At, Ep, Act	4	1200	700	600
2	ESSFdc2	01	6757.4	18.90%	PI 100	18.6	N/A		N/A		PI 100	18.6	PI Sx	Bl			4	1200	700	600
2	ESSFdc2	05	1997.6	5.59%	PI 80 Sx 20	18.6	N/A		N/A		PI 80 Sx 20	18.6	PI Sx	Bl			7	1000	500	400
2	IDFdk2	01	942.5	2.64%	PI 100	18.6	Fd 70 PI 30	17.4	N/A		PI 100	18.6	Fd, PI	Py	Lw, Sx	At	7	1000	500	400
2	ESSFdc2	06	812.9	2.27%	PI 80 Sx 20	18.6	N/A		N/A		PI 80 Sx 20	18.6	PI, Se	Bl			4	1200	700	600
2	MSdm2	03	323.5	0.90%	PI 100	18.6	Fd 100	17.4	PI 50 Fd 50	18.6	PI 100	18.6	Fd, PI		Bl, Sx	At	7	1000	500	400
2	IDFdk2	04	256.8	0.72%	PI 90 Fd 10	18.6	Fd 70 PI 30	17.4	N/A		PI 90 Fd 10	18.6	Fd, PI	Py, Sx	Lw	At	7	1200	700	600
2	ESSFxc	06	164.3	0.46%	PI 70 Sx 30	18.6	N/A		N/A		PI 70 Sx 30	18.6	PI, Se	Bl			7	1200	700	600
2	ESSFdc2	07	163.9	0.46%	Sx 100	19.7	N/A		N/A		Sx 100	19.7	PI, Se	Bl			4	1200	700	600
2	ICHmk2	03	117.5	0.33%	PI 100	18.6	Fd 100	17.4	N/A		PI 100	18.6	Fd, PI	Sx	Bl, Cw	At, Ep	7	1000	500	400
2	ICHmk2	02	26.4	0.07%	PI 100	18.6	Fd 100	17.4	N/A		PI 100	18.6	Fd, PI		Bl, Sx	At, Ep	7	800	400	400
2	IDFdk2	06	13.3	0.04%	PI 70 Sx 30	18.6	PI 70 Sx 30	18.6	N/A		PI 70 Sx 30	18.6	PI Sx	Fd	Bl	Act, At, Ep	4	1000	500	400
2	ESSFdc2	08	0	0.00%	Sx 100	19.7	N/A		N/A		Sx 100	19.7	PI, Se	Bl			4	1000	500	400
3	ESSFxc	01	864	2.42%	PI 70 Sx 30	15.6	N/A		N/A		PI 70 Sx 30	15.6	PI Sx	Bl			4	1200	700	600
3	ESSFxc	05	601.9	1.68%	PI 70 Sx 30	15.6	N/A		N/A		PI 70 Sx 30	15.6	PI		Bl, Sx		7	1000	500	400
3	IDFdk2	03	425.4	1.19%	PI 100	15.6	Fd 100	16	N/A		PI 100	15.6	Fd, PI	Py		At	7	1000	500	400
3	ESSFdc2	04	418.9	1.17%	PI 100	15.6	N/A		N/A		PI 100	15.6	PI		Bl, Se		7	1000	500	400
3	MSdm2	07	365.2	1.02%	Sx 100	15.5	Sx 50 PI 50	15.5	Sx 100	15.5	Sx 100	15.5	PI Sx	Bl		Act, At	4	1000	500	400
3	ESSFxc	07	319.3	0.89%	Sx 100	15.5	N/A		N/A		Sx 100	15.5	PI, Se	Bl			4	1200	700	600
3	ESSFxc	08	125.9	0.35%	Sx 100	15.5	N/A		N/A		Sx 100	15.5	PI	Bl, Se			4	1000	500	400
3	IDFdk2	02	109.7	0.31%	PI 100	15.6	Fd 100	16	N/A		PI 100	15.6	Fd, Py			At	7	600	400	400
3	ESSFdc2	02	29.1	0.08%	N/A		N/A		N/A		N/A		PI		Bl, Se		7			
3	ESSFdc2	03	0	0.00%	PI 100	15.6	N/A		N/A		PI 100	15.6	PI		Bl, Se, Pa		7	1000	500	400
4	ESSFxc	10	112.1	0.31%	N/A		N/A		N/A		N/A		N/A							
4	MSdm2	02	82.3	0.23%	N/A		N/A		N/A		N/A		N/A							Non-Forested
4	ESSFxc	09	35.4	0.10%	N/A		N/A		N/A		N/A		N/A							
4	ESSFdc2	09	7.3	0.02%	N/A		N/A		N/A		N/A		N/A							
4	ESSFxc	02	3.3	0.01%	PI 70 Sx 30	10	N/A		N/A		PI 70 Sx 30	10	PI		Bl, Se		7	600	400	400
5	IDFhx2	04	175.5	0.49%	Fd 100	16.6	Fd 100	16.6	N/A		Fd 100	16.6	Py	Fd			7	600	400	400
5	IDFhx2	05	78.4	0.22%	Fd 100	16.6	Fd 100	16.6	N/A		Fd 100	16.6	Fd, Py				7	1000	500	400
5	IDFhx2	01	67.5	0.19%	Fd 100	16.6	Fd 100	16.6	N/A		Fd 100	16.6	Fd, Py			At	7	1000	500	400
5	IDFhx2	06	27.8	0.08%	Fd 100	16.6	Fd 100	16.6	N/A		Fd 100	16.6	Fd, Py			At	7	1200	700	600
5	IDFhx2	07	23	0.06%	Fd 70 Sx 30	16.6	Fd 70 Sx 30	16.6	N/A		Fd 70 Sx 30	16.6	Fd	Py, Sx	Cw	Act, At, Ep	4	1200	700	600
5	IDFhx2	02	9.5	0.03%	Fd 100	16.6	Fd 100	16.6	N/A		Fd 100	16.6	Py	Fd			7	400	200	200
	ESSFxc	03	0	0.00%	N/A		N/A		N/A		N/A		N/A							
	ESSFxc	04	0	0.00%	N/A		N/A		N/A		N/A		N/A							
	ICHmk2	06	0	0.00%	PI 50 Sx 50		PI 50 Sx 50		N/A		PI 50 Sx 50		PI Sx	Bl, Fd	Cw	At, Ep, Act	4	1000	500	400
	IDFdk2	08	0	0.00%	N/A		N/A		N/A		N/A		PI							
	IDFhx2	03	0	0.00%	Fd 100		Fd 100		N/A		Fd 100		Py	Fd			7	400	200	200
	IDFhx2	08	0	0.00%	Sx 50 Fd 50		Sx 50 PI 50		N/A		Sx 50 Fd 50		Sx	Fd, PI		Act, At, Ep	4	1000	500	400
			35756.2	100.00%																
Notes:		Site index is for leading species in the General Management Zone.																		
		Total area is for the TFL. Area is not zone specific.																		
		Kamloops Forest Region - Establishment to Free Growing Guidebook Standards (2000) included for reference.																		
		TFL 35 Enhance Forest Management Stocking Standards:																		
		Target Establishment Density: 1600 - 1800 sph																		
		Min Stocking @ Regen Delay: PI - 1280 sph; OS - within 20% of KFR Guidebook TSSpa																		
		Target Stocking @ Free Growing: 1200 sph																		
		Min Free Growing Stocking: PI - 1000 sph; OS - within 20% of KFR Guidebook TSSpa																		

ESSFdc2 — Kamloops

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 BI – Rhododendron – Grouseberry	PI Se	BI			1200	700	600	4	12	20	PI Others	1.6 0.8	125
02* Juniper – Pinegrass	PI ⁵²			BI ¹³ Se	–	–	–	–	–	–	–	–	–
03 PISe – Falsebox Pinegrass	PI			BI ¹³ Pa ^{9,17} Se	1000	500	400	7	15	20	PI Others	1.2 0.6	125
04 BI – Grouseberry – Cladonia	PI			BI ¹³ Se	1000	500	400	7	15	20	PI Others	1.2 0.6	125
05 BI – Huckleberry – Feathermoss	PI Se			BI ^{10,13}	1000	500	400	7	15	20	PI Others	1.2 0.6	125
06 BI – Gooseberry – Oak fern	PI Se	BI			1200	700	600	4	12	20	PI Others	1.6 0.8	125

* avoid logging

9 restricted to southerly aspects

10 restricted to northerly aspects

13 restricted to upper elevations of biogeoclimatic unit

17 restricted to western portion of biogeoclimatic unit in region

52 restricted to sheltered microsites with deep soil

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

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

ESSFdc2 — Kamloops (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)		
07 Bl – Rhododendron – Valerian	Pl Se ³²	Bl			1200	700	600	4	12	20	Pl 1.6 Others 0.8	125
08 Bl – Trapper's tea	Pl ¹ Se ^{1,32}	Bl ^{1,32}			1000	500	400	4	12	20	Pl 1.2 Others 0.6	125
09 Sedge – Sphagnum ' non-forested					-	-	-	-	-	-	-	-

¹ elevated microsites are preferred

³² limited by growing-season frosts

^A See Interior Broadleaf guidelines on page 109 for stocking standard and free growing guidelines

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

ESSFxc — Kamloops

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 – Grouseberry – Valerian	PI Se ³²	BI ^{10,13}			1200	700	600	4	12	20	PI 1.6 Others 0.8	125
02 PI – Juniper – Lupine	PI		BI ¹³ Se		600	400	400	7	15	20	PI 1.2 Others 0.6	125
03 Bluebunch wheatgrass – Pasqueflower	non-forested				–	–	–	–	–	–	–	–
04 Big sage – Pinegrass	non-forested				–	–	–	–	–	–	–	–
05 BI – Grouseberry – Cladonia	PI		BI ¹³ Se		1000	500	400	7	15	20	PI 1.2 Others 0.6	125
06 BI – Rhododendron – Grouseberry	PI Se	BI ¹³			1200	700	600	7	15	20	PI 1.6 Others 0.8	125
07 BI – Gooseberry – Foamflower	PI Se ³²	BI ³²			1200	700	600	4	12	20	PI 1.6 Others 0.8	125

10 restricted to northerly aspects

13 restricted to upper elevations of biogeoclimatic unit

32 limited by growing-season frosts

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

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

ESSFxc — Kamloops (continued)

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)			
08 BI – Horsetail – Glow moss	PI ¹	BI ^{1,32} Se ^{1,32}				1000	500	400	4	12	20	PI Others	1.2 0.6	125
09 Bluejoint – Sedge	non-forested					-	-	-	-	-	-	-	-	-
10 Willow – Sedge	non-forested					-	-	-	-	-	-	-	-	-

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

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

ICHmk2 — Kamloops

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 CwSxw – Falsebox – Knight's plume	Fd ^{9,14,32} PI Sx	BI ^{10,13}	Cw Lw ^{9,14,23,32}	Act ^b At ^a Ep ^a	1200	700	600	7	12	15	PI, Lw Fd Sx Others	2.0 1.4 0.8 1.0	150
02 Fd – Juniper – Pinegrass	Fd PI		BI ^{10,13} Sx ^{10,13}	At ^b Ep ^b	600	400	400	7	12	15	PI Fd Others	1.4 1.0 0.8	150
03 Fd – Falsebox – Pinegrass	Fd PI	Sx ^{10,13}	BI ^{10,13} Cw ^{10,13}	At ^a Ep ^b	1000	500	400	7	12	15	PI Fd Others	1.4 1.0 0.8	150
04 CwSxw – Douglas maple – Fairybells	Fd PI	BI ^{10,13} Sx	Cw ^{10,13} Lw ^{9,14,23,32}	At ^a Ep ^a	1200	700	600	7	12	15	PI, Lw Fd Cw Sx	2.0 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

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 for stocking standard and free growing guidelines

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

ICHmk2 — Kamloops (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)			
05 CwSxw – Oak fern – Bunchberry	Fd ^{9,14,32} Pl Sx	Bl ¹³	Cw ³²	Act ^a At ^a Ep ^a	1200	700	600	4	9	15	Pl Fd Others	2.0 1.4 1.0	150
06 Sxw – Horsetail	Pl ¹ Sx ¹	Bl ¹ Fd ^{1,32}	Cw 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

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

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

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

IDFdk2 — Kamloops

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 FdPI – Pinegrass – Feathermoss	Fd ³² PI	Py ^{9,14}	Lw ^{23,32} Sx ^{10,13}	At ^a	1000	500	400	7	12	15	PI, Lw Fd Sx	1.0 0.8 0.6	125
02 FdPy – Bluebunch wheatgrass – Pinegrass	Fd ²⁷ Py ¹⁴			At ^b	600	400	400	7	12	15	Fd Py	0.8 0.6	125
03 FdPy – Pinegrass	Fd ²⁷ PI	Py ¹⁴		At ^b	1000	500	400	7	12	15	PI Fd Py	1.0 0.8 0.6	125
04 Fd – Feathermoss	Fd ³² PI	Py ^{9,14} Sx ^{10,13}	Lw ^{23,32}	At ^a	1200	700	600	7	12	15	PI, Lw Fd Py	1.4 1.0 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

23 restricted to trial use

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

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

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

IDFdk2 — Kamloops (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)			
05 SxwFd – Dogwood – Gooseberry	Fd ³² Sx	PI	BI ^{10,13} Cw ³² Lw ^{23,32}	Act ^a At ^a Ep ^a	1200	700	600	4	9	15	PI, Lw Fd Others	1.4 1.0 0.8	125
06 Sxw – Horsetail	PI ¹ Sx ¹	Fd ^{1,32}	BI ¹	Act ^a At ^b Ep ^b	1000	500	400	4	9	15	PI Fd Others	1.0 0.8 0.6	125
07 CwSxw – Twinberry Soft-leaved sedge	PI ¹ Sx ¹		BI Cw ³²	Act ^a At ^a Ep ^a	1000	500	400	4	9	15	PI Others	1.0 0.6	125
08 Willow – Sedge	non-forested				-	-	-	-	-	-	-	-	-

1 elevated microsites are preferred

10 restricted to northerly aspects

13 restricted to upper elevations of biogeoclimatic unit

23 restricted to trial use

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 for stocking standard and free growing guidelines

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

IDF_{xh2} — Kamloops

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 FdPy – Pinegrass – Feathermoss	Fd ²⁷ Py			At ^b	1000	500	400	7	12	15	All	0.6	125
02 FdPy – Bluebunch wheatgrass – Rough fescue	Py ²⁷	Fd ²⁷			400	200	200	7	12	15	All	0.6	125
03 FdPy – Bluebunch wheatgrass – Balsamroot	Py ²⁷	Fd ²⁷			400	200	200	7	12	15	All	0.6	125
04 FdPy – Bluebunch wheatgrass – Pinegrass	Py	Fd ²⁷			600	400	400	7	12	15	All	0.6	125
05 FdPy – Pinegrass	Fd ²⁷ Py				1000	500	400	7	12	15	All	0.6	125
06 Fd – Feathermoss	Fd Py			At ^b	1200	700	600	7	12	15	All	0.6	125
07 CwFd – Dogwood	Fd ³²	Py ³² Sx	Cw ³²	Act ^a At ^a Ep ^a	1200	700	600	4	9	15	All	0.6	125
08 Sxw – Horsetail	Sx ¹	Fd ^{1,32} Pl ^{1,23}		Act ^a At ^a Ep ^a	1000	500	400	4	9	15	Pl Others	0.8 0.6	125

1 elevated microsites are preferred

23 restricted to trial use

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

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

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

MSdm2 — Kamloops

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 – Falsebox – Feathermoss	PI Sx	BI ^{10,13} Fd ^{9,14,32}	Lw ^{14,23,32}	At ^a	1200	700	600	7	12	15	PI, Lw Others	1.4 0.8	125
02* Juniper – Pinegrass	non-forested				–	–	–	–	–	–	–	–	–
03 PI – Juniper – Grouseberry	Fd ^{9,14} PI		BI ^{10,13} Sx ^{10,13}	At ^b	1000	500	400	7	12	15	PI Others	1.0 0.6	125
04 PI – Grouseberry – Pinegrass	PI	Fd ^{9,14,32} Sx ^{10,13}	BI ^{10,13} Lw ^{14,23,32}	At ^a	1200	700	600	7	12	15	PI, Lw Others	1.4 0.8	125
05 Sxw – Gooseberry – Grouseberry	PI Sx	BI Fd ^{9,14,32}	Cw ³² Lw ^{14,23,32}	Act ^a At ^a	1200	700	600	4	9	15	PI, Lw Others	1.4 0.8	125
06 Sxw – Gooseberry – Devil's club	PI Sx	BI Fd ^{9,14,32}	Lw ^{14,23,32}	Act ^a At ^a	1200	700	600	4	9	15	PI, Lw Others	1.4 0.8	125
07 Sxw – Horsetail – Leafy moss	PI Sx	BI		Act ^a At ^b	1000	500	400	4	9	15	PI Others	1.0 0.6	125

* avoid logging

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

32 limited by growing-season frosts

a productive, reliable, and feasible regeneration option

b limited in productivity, reliability and/or feasibility

May 2000

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

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