

## 2007 Stocking Standards

**Today's date:** December 4, 2007

**Contact person:** Kristine Saceniaks 825-1113

**Summary:** *These standards and footnotes represent the Kootenay Lake District Default standards. They are current to December 2007, and now include standards for the ICHdm, the ESSFdm, and preliminary standards for caribou areas. These standards have been loaded into and are available for use in RESULTS. If a licensee wishes to use standards other than these, they will need to seek approval from the District manager. The "Even-aged" stocking standards should only be used for Basal area retentions up to 10m<sup>2</sup>/ha.*

*The Regional Ecologist (Deb MacKillop) is currently working on revising the BEC system within the District. This will result in new BEC's, site series, and stocking standards. However, these will likely not be ready for review until 2008 or 2009.*

Kootenay Lake Forest District - Default Stocking Standards, December 2007

Administration info.		BGC		Regeneration Guide						Free Growing Guide					
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment			Height (meters)	Minimum inter-tree distance	% Tree over Brush
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)	Species			
18000	Baseline	ESSFwc1	01	BI Se	PI <sup>34</sup> Hw <sup>T9,32</sup> Cw <sup>9,32</sup>	1200	700	600	4	12	20	PI Others	1.6 0.8	2.0	125
18001	Baseline w reduced mitd	ESSFwc1	01	BI Se	PI <sup>34</sup> Hw <sup>T9,32</sup> Cw <sup>9,32</sup>	1200	700	600	4	12	20	PI Others	1.6 0.8	1.7	125
18002	PI moved to preferred	ESSFwc1	01	BI Se PI <sup>34, 100</sup>	Cw <sup>55</sup> Hw <sup>T9,32</sup>	1200	700	600	4	12	20	PI Others	1.6 0.8	2.0	125
18003	PI moved to preferred & reduced MITD	ESSFwc1	01	BI Se PI <sup>34, 100</sup>	Cw <sup>55</sup> Hw <sup>T9,32</sup>	1200	700	600	4	12	20	PI Others	1.6 0.8	1.7	125
18004	Transition to ICHmw2	ESSFwc1	01	BI Se Lw <sup>9,32</sup> Fd <sup>9,32</sup> Pw, Cw <sup>9,32</sup> Hw <sup>T9,32</sup> PI <sup>100</sup>		1200	700	600	4	12	20	PI Pw Lw Fd Others	1.6 1.6 1.0 0.8	2.0	125
18005	Transition w. reduced MITD	ESSFwc1	01	BI Se Lw <sup>9,32</sup> Fd <sup>9,32</sup> Pw, Cw <sup>9,32</sup> Hw <sup>T9,32</sup> PI <sup>100</sup>		1200	700	600	4	12	20	PI Pw Lw Fd Others	1.6 1.6 1.0 0.8	1.7	125
18006	Baseline	ESSFwc1	02	PI Se	BI Cw <sup>T55</sup> Pa <sup>T</sup>	1000	500	400	7	15	20	PI Others	1.2 0.6	2.0	125
18007	Baseline w. reduced mitd	ESSFwc1	02	PI Se	BI Cw <sup>T55</sup> Pa <sup>T</sup>	1000	500	400	7	15	20	PI Others	1.2 0.6	1.7	125

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)	Species			
18008	BI moved to preferred	ESSFwc1	02	PI Se BI <sup>103</sup>	Cw <sup>T55</sup> Pa <sup>T</sup>	1000	500	400	7	15	20	PI	1.2	2.0	125
												Others	0.6		
18009	BI moved to preferred & reduced mitd	ESSFwc1	02	PI Se BI <sup>103</sup>	Cw <sup>T55</sup> Pa <sup>T</sup>	1000	500	400	7	15	20	PI	1.2	1.7	125
												Others	0.6		
18010	Baseline	ESSFwc1	03	BI Se	Cw <sup>T9, 32</sup> Hw <sup>T9,32</sup> PI <sup>T34</sup>	1200	700	600	4	12	20	PI	1.6	2.0	125
												Others	0.8		
18011	Reduced mitd	ESSFwc1	03	BI Se	Cw <sup>T9, 32</sup> Hw <sup>T9,32</sup> PI <sup>T34</sup>	1200	700	600	4	12	20	PI	1.6	1.7	125
												Others	0.8		
18012	Baseline	ESSFwc1	04	BI <sup>1, 32</sup> Se <sup>1,32</sup>	PI <sup>1,34</sup> Hw <sup>T32</sup>	1200	700	600	7	15	20	PI	1.6	2.0	125
												Others	0.8		
18013	Reduced mitd	ESSFwc1	04	BI <sup>1, 32</sup> Se <sup>1,32</sup>	PI <sup>1,34</sup> Hw <sup>T32</sup>	1200	700	600	7	15	20	PI	1.6	1.7	125
												Others	0.8		
18014	Baseline	ESSFwc4	01	BI Se	PI <sup>34</sup>	1200	700	600	4	12	20	PI	1.6	2.0	125
												Others	0.8		
18015	Reduced mitd	ESSFwc4	01	BI Se	PI <sup>34</sup>	1200	700	600	4	12	20	PI	1.6	1.7	125
												Others	0.8		
18016	PI moved to preferred	ESSFwc4	01	BI Se PI <sup>34,100</sup>		1200	700	600	4	12	20	PI	1.6	2.0	125
												Others	0.8		
18017	PI moved to preferred & reduced mitd	ESSFwc4	01	BI Se PI <sup>34,100</sup>		1200	700	600	4	12	20	PI	1.6	1.7	125
												Others	0.8		

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18018	Baseline	ESSFwc4	02	Se PI <sup>34,100</sup>	Bl <sup>T,54</sup> Pa <sup>T</sup>	1000	500	400	7	15	20	PI Others	1.2 0.6	2.0	125
18019	Reduced mitd	ESSFwc4	02	Se PI <sup>34,100</sup>	Bl <sup>T,54</sup> Pa <sup>T</sup>	1000	500	400	7	15	20	PI Others	1.2 0.6	1.7	125
18020	Baseline	ESSFwc4	03	Se Bl	PI <sup>34</sup>	1000	500	400	7	15	20	PI Others	1.2 0.6	2.0	125
18021	Baseline w. reduced mitd	ESSFwc4	03	Se Bl	PI <sup>34</sup>	1000	500	400	7	15	20	PI Others	1.2 0.6	1.7	125
18022	PI moved to preferred	ESSFwc4	03	Se Bl PI <sup>34,100</sup>		1000	500	400	7	15	20	PI Others	1.2 0.6	2.0	125
18023	PI moved to preferred & reduced mitd	ESSFwc4	03	Se Bl PI <sup>34,100</sup>		1000	500	400	7	15	20	PI Others	1.2 0.6	1.7	125
18024	Baseline	ESSFwc4	04	Se Bl	PI <sup>34</sup>	1200	700	600	4	12	20	PI Others	1.6 0.8	2.0	125
18025	Baseline w. reduced mitd	ESSFwc4	04	Se Bl	PI <sup>34</sup>	1200	700	600	4	12	20	PI Others	1.6 0.8	1.7	125
18026	PI moved to preferred	ESSFwc4	04	Se Bl PI <sup>34,100</sup>		1200	700	600	4	12	20	PI Others	1.6 0.8	2.0	125
18027	PI moved to preferred & mitd reduced	ESSFwc4	04	Se Bl PI <sup>34,100</sup>		1200	700	600	4	12	20	PI Others	1.6 0.8	1.7	125

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Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment			Height (meters)	Minimum inter-tree distance	% Tree over Brush
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)	Species			
18028	Baseline	ESSFwc4	05	BI Se		1200	700	600	4	12	20	All	0.8	2.0	125
18029	Baseline w. reduced mitd	ESSFwc4	05	BI Se		1200	700	600	4	12	20	All	0.8	1.7	125
18030	Baseline	ESSFwc4	06	BI <sup>1,32</sup> Se <sup>1,32</sup>		1200	700	600	4	12	20	All	0.8	2.0	125
18031	Baseline w. reduced mitd	ESSFwc4	06	BI <sup>1,32</sup> Se <sup>1,32</sup>		1200	700	600	4	12	20	All	0.8	1.7	125
18032	Baseline	ESSFwc4	07	BI <sup>1,32</sup> Se <sup>1,32</sup>	PI <sup>1,34</sup>	1000	500	400	4	12	20	PI Others	1.2 0.6	2.0	125
18033	Baseline w. reduced mitd	ESSFwc4	07	BI <sup>1,32</sup> Se <sup>1,32</sup>	PI <sup>1,34</sup>	1000	500	400	4	12	20	PI Others	1.2 0.6	1.7	125
18034	Baseline	ESSFwm	01	BI Se Fd <sup>14</sup> Lw <sup>14</sup>	PI <sup>34</sup>	1200	700	600	4	12	20	Lw PL Others	2.0 1.0	2.0	125
18035	Baseline w. reduced mitd	ESSFwm	01	BI Se Fd <sup>14</sup> Lw <sup>14</sup>	PI <sup>34</sup>	1200	700	600	4	12	20	Lw PL Others	2.0 1.0	1.7	125
18036	PI moved to preferred	ESSFwm	01	BI Se Fd <sup>14</sup> Lw <sup>14</sup> PI <sup>100,34</sup>		1200	700	600	4	12	20	Lw PL Others	2.0 1.0	2.0	125
18037	PI moved to preferred & reduced mitd	ESSFwm	01	BI Se Fd <sup>14</sup> Lw <sup>14</sup> PI <sup>100,34</sup>		1200	700	600	4	12	20	Lw PL Others	2.0 1.0	1.7	125
18038	Baseline	ESSFwm	02	Se PI <sup>34</sup>	BI Hw <sup>T14</sup> Pa <sup>T</sup> Pw <sup>T9,14,31</sup>	1200	700	600	7	15	20	PI Others	2.0 1.0	2.0	125

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				
18039	Baseline w. reduced mitd	ESSFwm	02	Se PI <sup>34</sup>	BI Hw <sup>T14</sup> Pa <sup>T</sup> Pw <sup>T9,14,31</sup>	1200	700	600	4	12	20	PI	2.0	1.7	125
												Others	1.0		
18040	Baseline	ESSFwm	03	FD <sup>9,32</sup> Lw <sup>9,32</sup> Se	BI PL <sup>34</sup> Pw <sup>9,31,32, 49</sup> Hw <sup>T,9,32</sup>	1200	700	600	4	12	20	PI Pw	2.0	2.0	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18041	Baseline w. reduced mitd	ESSFwm	03	FD <sup>9,32</sup> Lw <sup>9,32</sup> Se	BI PL <sup>34</sup> Pw <sup>9,31,32, 49</sup> Hw <sup>T,9,32</sup>	1200	700	600	4	12	20	PI Pw	2.0	1.7	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18042	PI moved to preferred	ESSFwm	03	FD <sup>9,32</sup> Lw <sup>9,32</sup> Se PI <sup>34,100</sup>	BI Pw <sup>9,31,32, 49</sup> Hw <sup>T,9,32</sup>	1200	700	600	4	12	20	PI Pw	2.0	2.0	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18043	PI moved to preferred & reduced mitd	ESSFwm	03	FD <sup>9,32</sup> Lw <sup>9,32</sup> Se PI <sup>34,100</sup>	BI Pw <sup>9,31,32, 49</sup> Hw <sup>T,9,32</sup>	1200	700	600	4	12	20	PI Pw	2.0	1.7	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18044	Baseline	ESSFwm	04	BI Se	PI <sup>34</sup> Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	2.0	125
												Others	1.0		
18045	Baseline w. reduced mitd	ESSFwm	04	BI Se	PI <sup>34</sup> Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	1.7	125
												Others	1.0		
18046	PI moved to preferred	ESSFwm	04	BI Se PI <sup>34,100</sup>	Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	2.0	125
												Others	1.0		

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18047	PI moved to preferred & mitd reduced	ESSFwm	04	BI Se Pj <sup>34,100</sup>	Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	1.7	125
												Others	1.0		
Preliminary standards for ESSFdm															
18048	Baseline set 18048 to expire March2007	ESSFdm1	01	BI Se Fd <sup>14</sup> Lw <sup>14</sup> PI		1200	700	600	4	12	20	PI Lw	2.0	2.0	125
												Fd	1.4		
												Others	1.0		
18166	V2 Baseline	ESSFdm	01	Se, PI	BI, Hw <sup>T,14</sup> Fd <sup>T,14</sup> Lw <sup>T,14,106</sup>	1200	700	600	4	12	20	PI Lw	2.0	2.0	125
												Fd	1.4		
												Others	1.0		
18167	Caribou zone only AND >1600m	ESSFdm	01	Se Pli, BI	Hw <sup>T,14</sup> Fd <sup>T,14</sup> Lw <sup>T,14,106</sup>	1200	700	600	4	12	20	PI Lw	2.0	2.0	125
												Fd	1.4		
												Others	1.0		
18049	Baseline w. reduced mitd set 18049 to expire March 2007	ESSFdm1	01	BI Se Fd <sup>14</sup> Lw <sup>14</sup> PI		1200	700	600	4	12	20	PI Lw	2.0	1.7	125
												Fd	1.4		
												Others	1.0		
18168	V2 Baseline w. reduced mitd	ESSFdm	01	Se, PI	BI Hw <sup>T,14</sup> Fd <sup>T,14</sup> Lw <sup>T,14,106</sup>	1200	700	600	4	12	20	PI Lw	2.0	1.7	125
												Fd	1.4		
												Others	1.0		
18169	Caribou zone only AND >1600m w. reduced mitd	ESSFdm	01	Se Pli, BI	Hw <sup>T,14</sup> Fd <sup>T,14</sup> Lw <sup>T,14,106</sup>	1200	700	600	4	12	20	PI Lw	2.0	1.7	125
												Fd	1.4		
												Others	1.0		

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18050	Baseline set 18050 to expire March 2007	ESSFdm1	02	Se PI	BI Hw <sup>14</sup> Pa Pw <sup>9,14,31</sup>	1200	700	600	4	15	20	PI Pw Others	2.0 1.0	2.0	125
18179	-no sl V2 Baseline	ESSFdm	02	PI	Se <sup>107, 32, 10</sup> , BI, Lw <sup>14,106</sup> Fd <sup>14</sup>	1200	700	600	4	15	20	PI Others	2.0 1.0	2.0	125
18171	Caribou zone only AND >1600m	ESSFdm	02	Se PI BI	Se <sup>107, 32, 10</sup> , Lw <sup>14,106</sup> Fd <sup>14</sup>	1200	700	600	4	15	20	PI Others	2.0 1.0	2.0	125
18051	Baseline w. reduced mitd set 18051 to expire March 2007	ESSFdm1	02	Se PI	BI Hw <sup>14</sup> Pa Pw <sup>9,14,31</sup>	1200	700	600	4	15	20	PI Others	2.0 1.0	1.7	125
18172	V2 Baseline w. reduced mitd	ESSFdm	02	PI	Se <sup>107, 32, 10</sup> , BI, Lw <sup>14,106</sup> Fd <sup>14</sup>	1200	700	600	4	15	20	PI Others	2.0 1.0	1.7	125
18173	Caribou zone only AND >1600m w. reduced mitd	ESSFdm	02	Se PI BI	Se <sup>107, 32, 10</sup> , Lw <sup>14,106</sup> Fd <sup>14</sup>	1200	700	600	4	15	20	PI Others	2.0 1.0	1.7	125
18052	Baseline set 18052 to expire March 2007	ESSFdm1	03	Fd <sup>9,32</sup> Lw <sup>9,32</sup> Se, PI	BI Pw <sup>9,31,32,49</sup> Hw <sup>T,9,32</sup>	1200	700	600	4	12	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0	2.0	125
18174	V2 Baseline	ESSFdm	03	PI	Se <sup>107</sup> Lw <sup>T,14, 106</sup> FD <sup>T,14</sup> Hw <sup>T,14</sup> , BI	1200	700	600	4	12	20	PI Lw Fd Others	2.0 2.0 1.4 1.0	2.0	125

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				
18175	Caribou zone only AND >1600m	ESSFdm	03	PI Se BI	Lw <sup>T,14, 106</sup> FD <sup>T,14</sup> Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	2.0	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18053	Baseline w. reduced mitd set 18053 to expire in March 2007	ESSFdm1	03	Fd <sup>9,32</sup> Lw <sup>9,32</sup> Se, PI	BI Pw <sup>9,31,32,49</sup> Hw <sup>T,9,32</sup>	1200	700	600	4	12	20	PI Pw	2.0	1.7	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18176	V2 Baseline w. reduced mitd	ESSFdm	03	PI	Se <sup>107</sup> Lw <sup>T,14, 106</sup> FD <sup>T,14</sup> Hw <sup>T,14</sup> , BI	1200	700	600	4	12	20	PI	2.0	1.7	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18177	Caribou zone only AND >1600m w. reduced mitd.	ESSFdm	03	PI Se BI	Lw <sup>T,14, 106</sup> FD <sup>T,14</sup> Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	1.7	125
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18054	Baseline set 18054 to expire March 2007	ESSFdm1	04	BI Se PI <sup>101</sup>		1200	700	600	4	12	20	PI	2.0	2.0	125
												Others	1.0		
18178	V2 Baseline	ESSFdm	04	Se PI	BI, Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	2.0	125
												Others	1.0		
18179	Caribou zone only AND >1600m	ESSFdm	04	Se PI BI	Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	2.0	125
												Others	1.0		

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18055	Baseline w. reduced mitd set 18055 to expire March 2007	ESSFdm	04	BI Se PI <sup>101</sup>		1200	700	600	4	12	20	PI	2.0	1.7	125
												Others	1.0		
18180	V2 Baseline w. reduced mitd	ESSFdm	04	Se PI	BI, Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	1.7	125
												Others	1.0		
18181	Caribou zone only AND >1600m w. reduced mitd.	ESSFdm	04	Se PI BI	Hw <sup>T,14</sup>	1200	700	600	4	12	20	PI	2.0	1.7	125
												Others	1.0		
18182	V2 Baseline	ESSFdm	05	SE	PI, BI, Hw <sup>T,14</sup>	1000	500	400	4	12	20	PI	2.0	2.0	125
												Others	1.0		
18183	Caribou zone only AND >1600m	ESSFdm	05	Se BL	PI, Hw <sup>T,14</sup>	1000	500	400	4	12	20	PI	2.0	2.0	125
												Others	1.0		
18184	V2 Baseline w. reduced mitd	ESSFdm	05	SE	PI, BI, Hw <sup>T,14</sup>	1000	500	400	4	12	20	PI	2.0	1.7	125
												Others	1.0		
18185	Caribou zone only AND >1600m w. reduced mitd	ESSFdm	05	Se BL	PI, Hw <sup>T,14</sup>	1000	500	400	4	12	20	PI	2.0	1.7	125
												Others	1.0		
18186	V2 Baseline	ESSFdm	06	Se BL PI <sup>1</sup>		1000	500	400	4	12	20	PI	2.0	2.0	125
												Others	1.0		

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		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18187	V2 Baseline with reduced mitd.	ESSFdm	06	Se BL PI <sup>1</sup>		1000	500	400	4	12	20	PI	2.0	1.7	125
												Others	1.0		
	End of ESSFdm standards														
	start of ICHdm standards														
18188	Baseline	ICHdm	01	Lw Fd PI	Cw <sup>10</sup> Sx <sup>10</sup> Pw <sup>T,31</sup> Bg <sup>T,10</sup> Hw <sup>T,10</sup> Bl <sup>T,10</sup>	1200	700	600	4	12	20		2.0		150
18189	Baseline w. reduced mitd	ICHdm	01	Lw Fd PI	Cw <sup>10</sup> Sx <sup>10</sup> Pw <sup>T,31</sup> Ba <sup>T,104</sup> Hw <sup>T,10</sup> Bl <sup>T,10</sup>	1200	700	600	4	12	20		1.7		150
18190	Baseline	ICHdm	03	PI Lw Fd	Sx <sup>10,13</sup> Bl <sup>T,10</sup> Cw <sup>T,10</sup>	1200	700	600	4	12	20		2.0		150
18191	Baseline w. reduced mitd	ICHdm	03	PI Lw Fd	Sx <sup>10,13</sup> Bl <sup>T,10</sup> Cw <sup>T,10</sup>	1200	700	600	4	12	20		1.7		150
18192	Baseline	ICHdm	04	Lw <sup>32</sup> PI Cw <sup>32</sup> Sx Fd <sup>32</sup>	Hw Bl Pw <sup>T,31</sup>	1200	700	600	4	12	20		2.0		150
18193	Baseline w. reduced mitd	ICHdm	04	Lw <sup>32</sup> PI Cw <sup>32</sup> Sx Fd <sup>32</sup>	Hw Bl Pw <sup>T,31</sup>	1200	700	600	4	12	20		1.7		150
18194	Baseline	ICHdm	05	Cw <sup>32</sup> Hw Sx	Bl Fd <sup>32</sup> Lw <sup>32</sup> Pl <sup>T</sup>								2.0		150
18195	Baseline	ICHdm	05	Cw <sup>32</sup> Hw Sx	Bl Fd <sup>32</sup> Lw <sup>32</sup> Pl <sup>T</sup>								2.0		150

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Administration info.		BGC		Regeneration Guide					Free Growing Guide					
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)			
18196	Baseline	ICHdm	06	Sx	BI PI Fd <sup>T,1,32</sup> Cw <sup>T32</sup> Hw <sup>T,32</sup>							2.0	150	
18197	Baseline	ICHdm	06	Sx	BI PI Fd <sup>T,1,32</sup> Cw <sup>T32</sup> Hw <sup>T,32</sup>							2.0	150	
End of ICHdm standards														
18056	Baseline -dry variant	ICHdw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49,57</sup>	Bg <sup>28</sup> PI BI <sup>T,10,13</sup> , Cw Hw <sup>T</sup> Sx <sup>10,13</sup>	1200	700	600	7	12	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
18057	Baseline -dry variant w. reduced mitd	ICHdw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49,57</sup>	Bg <sup>28</sup> PI BI <sup>T,10,13</sup> , Cw Hw <sup>T</sup> Sx <sup>10,13</sup>	1200	700	600	7	12	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
18058	Sx, PI, Cw moved to preferred-dry variant	ICHdw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49,57</sup> Sx <sup>10,13</sup> , Cw <sup>102</sup> PI	Bg <sup>28</sup> Pw <sup>31,49</sup> BI <sup>T,10,13</sup> , Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0	150
18059	Sx, PI, Cw moved to preferred-dry variant & reduced mitd	ICHdw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49,57</sup> Sx <sup>10,13</sup> , Cw <sup>102</sup> PI	Bg <sup>28</sup> Pw <sup>31,49</sup> BI <sup>T,10,13</sup> , Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw Lw Fd	2.0 2.0 1.4	150

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Administration info.		BGC		Regeneration Guide					Free Growing Guide						
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18060	Baseline wet variant	ICHdw	01b	Fd <sup>58</sup> Lw Py <sup>9,14</sup> Pw <sup>31,49,57</sup> Sx <sup>10,13</sup> Cw <sup>102</sup> PI	Bg Bl <sup>T,10,13</sup> , Hw	1200	700	600	7	12	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18061	Baseline wet variant w. reduced mitd	ICHdw	01b	Fd <sup>58</sup> Lw Py <sup>9,14</sup> Pw <sup>31,49,57</sup> Sx <sup>10,13</sup> Cw <sup>102</sup> PI	Bg Bl <sup>T,10,13</sup> , Hw	1200	700	600	7	12	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18062	Baseline	ICHdw	02	Fd <sup>58</sup> Lw Py	Hw <sup>T,10,13</sup> Cw <sup>T</sup> PI <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.4	2.0	150
												Fd	1.0		
												Others	0.8		
18063	Baseline w. reduced mitd	ICHdw	02	Fd <sup>58</sup> Lw Py	Hw <sup>T,10,13</sup> Cw <sup>T</sup> PI <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.4	1.7	150
												Fd	1.0		
												Others	0.8		
18064	PI moved to preferred	ICHdw	02	Fd <sup>58</sup> Lw Py PI <sup>T</sup>	Hw <sup>T,10,13</sup> Cw <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.4	2.0	150
												Fd	1.0		
												Others	0.8		
18065	PI moved to preferred & reduced mitd	ICHdw	02	Fd <sup>58</sup> Lw Py PI <sup>T</sup>	Hw <sup>T,10,13</sup> Cw <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.4	1.7	150
												Fd	1.0		
												Others	0.8		
18066	Baseline	ICHdw	03	Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Sx Cw Pw <sup>31,49,57</sup>	Bg <sup>32</sup> Hw <sup>32</sup> PI BI <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		

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Administration info.		BGC		Regeneration Guide				Free Growing Guide							
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18067	Baseline w. reduced mitd	ICHdw	03	Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Sx Cw Pw <sup>31,49,57</sup>	Bg <sup>32</sup> Hw <sup>32</sup> PI BI <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18068	Baseline	ICHdw	04	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Pw <sup>1,31,49,57</sup>	Bg <sup>1,32</sup> PI <sup>1</sup> Hw <sup>32</sup> BI <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18069	Baseline w. reduced mitd	ICHdw	04	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Pw <sup>1,31,49,57</sup>	Bg <sup>1,32</sup> PI <sup>1</sup> Hw <sup>32</sup> BI <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18070	Baseline	ICHmk1	01	Fd <sup>9,14,32</sup> Lw <sup>9,14,32</sup> PI Sx <sup>10,13</sup>	BI <sup>10,13</sup> Cw <sup>10,13,32</sup> Py <sup>9,14</sup>	1200	700	600	7	12	20	PI Lw	2.0	2.0	150
												Fd	1.4		
												Others	1.0		
18071	Baseline & reduced mitd	ICHmk1	01	Fd <sup>9,14,32</sup> Lw <sup>9,14,32</sup> PI Sx <sup>10,13</sup>	BI <sup>10,13</sup> Cw <sup>10,13,32</sup> Py <sup>9,14</sup>	1200	700	600	7	12	20	PI Lw	2.0	1.7	150
												Fd	1.4		
												Others	1.0		
18072	Baseline	ICHmk1	02	Fd PI	Sx <sup>10,13</sup> BI <sup>T10,13</sup> Py <sup>9,14</sup>	1200	700	600	7	12	20	PI Lw	1.4	2.0	150
												Fd	1.4		
												Others	1.0		
18073	Baseline w. Reduced mitd	ICHmk1	02	Fd PI	Sx <sup>10,13</sup> BI <sup>T10,13</sup> Py <sup>9,14</sup>	1200	700	600	7	12	20	PI Lw	1.4	1.7	150

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Administration info.		BGC		Regeneration Guide						Free Growing Guide					
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18074	Lw moved to preferred	ICHmk1	02	Fd PI Lw	Sx <sup>10,13</sup> BI <sup>T10,13</sup> Py <sup>9,14</sup>	1200	700	600	7	12	20	PI Lw	1.4	2.0	150
												Fd	1.4		
												Others	1.0		
18075	Lw moved to preferred Lw doesn't show on chart at all	ICHmk1	02	Fd PI Lw	Sx <sup>10,13</sup> BI <sup>T10,13</sup> Py <sup>9,14</sup>	1200	700	600	7	12	20	PI Lw	1.4	1.7	150
												Fd	1.4		
												Others	1.0		
18076	Baseline	ICHmk1	03	Fd Lw PI Sx <sup>10,13</sup>	Cw <sup>10,13</sup> Py <sup>T,9,14</sup> BI <sup>T,10,13</sup>	1000	500	400	7	12	20	PI Lw	1.4	2.0	150
												Fd	1.0		
												Others	0.8		
18077	Baseline w. reduced mitd	ICHmk1	03	Fd Lw PI Sx <sup>10,13</sup>	Cw <sup>10,13</sup> Py <sup>T,9,14</sup> BI <sup>T,10,13</sup>	1000	500	400	7	12	20	PI	1.4	1.7	150
												Fd	1.0		
												Others	0.8		
18078	Baseline	ICHmk1	04	Fd <sup>32</sup> Lw <sup>32</sup> PI Sx <sup>10,13</sup>	Cw <sup>10,13,32</sup> BI <sup>T10,13</sup> Pv <sup>T9,14</sup>	1200	700	600	7	12	20	PI Lw	2.0	2.0	150
												Fd	1.4		
												Others	1.0		
18079	Baseline w. reduced mitd	ICHmk1	04	Fd <sup>32</sup> Lw <sup>32</sup> PI Sx <sup>10,13</sup>	Cw <sup>10,13,32</sup> BI <sup>T10,13</sup> Pv <sup>T9,14</sup>	1200	700	600	7	12	20	PI Lw	2.0	1.7	150
												Fd	1.4		
												Others	1.0		
18080	Baseline	ICHmk1	05	PI Sx Fd <sup>9,14,32</sup>	BI Cw <sup>32</sup> Lw <sup>9,14,32</sup>	1200	700	600	4	9	20	PI Lw	2.0	2.0	150
												Fd	1.4		
												Others	1.0		

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Administration info.		BGC		Regeneration Guide						Free Growing Guide					
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18081	Baseline w. reduced mitd	ICHmk1	05	PI Sx Fd <sup>9,14,32</sup>	BI Cw <sup>32</sup> Lw <sup>9,14,32</sup>	1200	700	600	4	9	20	PI Lw	2.0	1.7	150
												Fd	1.4		
												Others	1.0		
18082	Lw moved to preferred	ICHmk1	05	PI Sx Fd <sup>9,14,32</sup> Lw <sup>9,14,32</sup>	BI Cw <sup>32</sup>	1200	700	600	4	9	20	PI Lw	2.0	2.0	150
												Fd	1.4		
												Others	1.0		
18083	Lw moved to preferred & reduced mitd	ICHmk1	05	PI Sx Fd <sup>9,14,32</sup> Lw <sup>9,14,32</sup>	BI Cw <sup>32</sup>	1200	700	600	4	9	20	PI Lw	2.0	1.7	150
												Fd	1.4		
												Others	1.0		
18084	Baseline	ICHmk1	06	PI Sx Fd <sup>9,14,32</sup>	BI <sup>9,14,32</sup> Cw <sup>32</sup> Lw <sup>9,14,32</sup>	1200	700	600	4	9	20	PI Lw	2.0	2.0	150
												Fd	1.4		
												Others	1.0		
18085	Baseline w. reduced mitd	ICHmk1	06	PI Sx Fd <sup>9,14,32</sup>	BI <sup>9,14,32</sup> Cw <sup>32</sup> Lw <sup>9,14,32</sup>	1200	700	600	4	9	20	PI Lw	2.0	1.7	150
												Fd	1.4		
												Others	1.0		
18086	Baseline	ICHmk1	07	PI <sup>1</sup> Sx <sup>1</sup> Fd <sup>1,32</sup> , Lw <sup>1,32</sup>	BI Cw <sup>32</sup>	1000	500	400	4	9	20	PI Lw	1.4	2.0	150
												Fd	1.0		
												Others	0.8		
18087	Baseline w. reduced mitd	ICHmk1	07	PI <sup>1</sup> Sx <sup>1</sup> Fd <sup>1,32</sup> , Lw <sup>1,32</sup>	BI Cw <sup>32</sup>	1000	500	400	4	9	20	PI Lw	1.4	1.7	150
												Fd	1.0		
												Others	0.8		
18088	Baseline	ICHwk1	01	Cw Fd <sup>9,14,58</sup> Hw Sx	BI <sup>10,13</sup> Lw <sup>T9,14,23,32</sup> PI <sup>T23,34</sup> Pw <sup>T31,57</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150

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Administration info.		BGC		Regeneration Guide						Free Growing Guide					
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18089	Baseline w. reduced mitd	ICHwk1	01	Cw Fd <sup>9,14,58</sup> Hw Sx	BI <sup>10,13</sup> Lw <sup>T9,14,23,32</sup> PI <sup>T23,34</sup> Pw <sup>T31,57</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18090	Pw moved to preferred	ICHwk1	01	Cw Fd <sup>9,14,58</sup> Hw Sx Pw <sup>31,57</sup>	BI <sup>10,13</sup> Lw <sup>T9,14,23,32</sup> PI <sup>T23,34</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18091	Pw moved to preferred w. reduced mitd	ICHwk1	01	Cw Fd <sup>9,14,58</sup> Hw Sx Pw <sup>31,57</sup>	BI <sup>10,13</sup> Lw <sup>T9,14,23,32</sup> PI <sup>T23,34</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18092	Baseline	ICHwk1	04	Fd <sup>9,14,58</sup> Cw Sx <sup>10,13</sup>	BI <sup>T10,13</sup> Lw <sup>T9,14,23</sup> PI <sup>T23,34</sup> Pw <sup>31,57</sup> Hw	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18093	Baseline w. reduced mitd	ICHwk1	04	Fd <sup>9,14,58</sup> Cw Sx <sup>10,13</sup>	BI <sup>T10,13</sup> Lw <sup>T9,14,23</sup> PI <sup>T23,34</sup> Pw <sup>31,57</sup> Hw	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18094	Pw moved to preferred	ICHwk1	04	Fd <sup>9,14,58</sup> Cw Sx <sup>10,13</sup> Pw <sup>31,57</sup> Hw	BI <sup>T10,13</sup> Lw <sup>T9,14,23</sup> PI <sup>T23,34</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		

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Administration info.		BGC		Regeneration Guide					Free Growing Guide						
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18095	Pw moved to preferred & reduced mitd	ICHwk1	04	Fd <sup>9,14,58</sup> Cw Sx <sup>10,13</sup> Pw <sup>31,57</sup> Hw	BI <sup>T10,13</sup> Lw <sup>T9,14,23</sup> PI <sup>T23,34</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18096	Baseline	ICHwk1	05	Cw <sup>32</sup> Sx	BI Fd <sup>1,9,14,32</sup> Lw <sup>T1,14,23,32</sup> PI <sup>T23,34</sup> Hw <sup>32</sup> Pw <sup>T31,57</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18097	Baseline w. reduced mitd	ICHwk1	05	Cw <sup>32</sup> Sx	BI Fd <sup>1,9,14,32</sup> Lw <sup>T1,14,23,32</sup> PI <sup>T23,34</sup> Hw <sup>32</sup> Pw <sup>T31,57</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18098	Pw & Hw moved to preferred	ICHwk1	05	Cw <sup>32</sup> Sx Hw <sup>32</sup> Pw <sup>T31,57</sup>	BI Fd <sup>1,9,14,32</sup> Lw <sup>T1,14,23,32</sup> PI <sup>T23,34</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18099	Pw & Hw moved to preferred & reduced mitd	ICHwk1	05	Cw <sup>32</sup> Sx Hw <sup>32</sup> Pw <sup>T31,57</sup>	BI Fd <sup>1,9,14,32</sup> Lw <sup>T1,14,23,32</sup> PI <sup>T23,34</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18100	Baseline	ICHwk1	06	Cw <sup>1,32</sup> Sx <sup>1</sup>	BI <sup>1</sup> PI <sup>T1,23,34</sup> Hw <sup>32</sup> Pw <sup>T,31,57</sup>	1000	500	400	4	9	20	PI Pw	1.4	2.0	150
												Others	0.8		

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Administration info.		BGC		Regeneration Guide						Free Growing Guide					
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Species	Height (meters)	Minimum inter-tree distance	% Tree over Brush
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				
18101	Baseline w. reduced mitd	ICHwk1	06	Cw <sup>1,32</sup> Sx <sup>1</sup>	Bl <sup>1</sup> Pl <sup>T1,23,34</sup> Hw <sup>32</sup> , Pw <sup>T,31,57</sup>	1000	500	400	4	9	20	PI Pw	1.4	1.7	
18102	Pw Hw moved to preferred	ICHwk1	06	Cw <sup>1,32</sup> Sx <sup>1</sup> Hw <sup>32</sup> , Pw <sup>T,31,57</sup>	Bl <sup>1</sup> Pl <sup>T1,23,34</sup>	1000	500	400	4	9	20	PI Pw	1.4	2.0	150
18103	Pw Hw moved to preferred & reduced mitd	ICHwk1	06	Cw <sup>1,32</sup> Sx <sup>1</sup> Hw <sup>32</sup> , Pw <sup>T,31,57</sup>	Bl <sup>1</sup> Pl <sup>T1,23,34</sup>	1000	500	400	4	9	20	PI Pw	1.4	1.7	150
18104	Baseline	ICHwk1	07	Cw <sup>1,32</sup> Sx <sup>1</sup>	Bl <sup>1</sup> Pw <sup>1,31,57</sup> Hw <sup>32</sup>	1000	500	400	4	9	20	PI Pw	1.4	2.0	150
18105	Baseline w. reduced mitd	ICHwk1	07	Cw <sup>1,32</sup> Sx <sup>1</sup>	Bl <sup>1</sup> Pw <sup>1,31,57</sup> Hw <sup>32</sup>	1000	500	400	4	9	20	PI Pw	1.4	1.7	150
18106	Hw moved to preferred	ICHwk1	07	Cw <sup>1,32</sup> Sx <sup>1</sup> Hw <sup>32</sup>	Bl <sup>1</sup> Pw <sup>1,31,57</sup>	1000	500	400	4	9	20	PI Pw	1.4	2.0	150
18107	Hw moved to preferred & reduced mitd	ICHwk1	07	Cw <sup>1,32</sup> Sx <sup>1</sup> Hw <sup>32</sup>	Bl <sup>1</sup> Pw <sup>1,31,57</sup>	1000	500	400	4	9	20	PI Pw	1.4	1.7	150
18108	Baseline	ICHwk1	08	Cw <sup>1,32</sup> Hw <sup>1,32</sup> Sx <sup>1</sup>	Bl <sup>1</sup> Pl <sup>T23,34</sup>	1000	500	400	4	9	20	PI Pw	1.4	2.0	150
18109	Baseline w. reduced mitd	ICHwk1	08	Cw <sup>1,32</sup> Hw <sup>1,32</sup> Sx <sup>1</sup>	Bl <sup>1</sup> Pl <sup>T23,34</sup>	1000	500	400	4	9	20	PI Pw	1.4	1.7	150
18110	Baseline	ICHmw2	01	Fd <sup>58</sup> Lw Cw Sx <sup>10,13</sup>	Bl <sup>T10,13</sup> Py <sup>T9,14,23</sup> Hw <sup>T</sup> Pw <sup>31,57</sup> Pl <sup>100</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150

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Administration info.		BGC		Regeneration Guide				Free Growing Guide							
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18111	Baseline w. reduced mitd	ICHmw2	01	Fd <sup>58</sup> Lw Cw Sx <sup>10,13</sup>	BI <sup>T10,13</sup> Py <sup>T9,14,23</sup> Hw <sup>T</sup> Pw <sup>31,57</sup> Pl <sup>100</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
											Lw 2.0				
18112	Pw Pl moved to preferred	ICHmw2	01	Fd <sup>58</sup> Lw Cw Sx <sup>10,13</sup>	BI <sup>T10,13</sup> Py <sup>T9,14,23</sup> Hw <sup>T</sup> Pw <sup>31,57</sup> Pl <sup>100</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
											Lw 2.0				
18113	Pw Pl moved to preferred & reduced mitd	ICHmw2	01	Fd <sup>58</sup> Lw Cw Sx <sup>10,13</sup>	BI <sup>T10,13</sup> Py <sup>T9,14,23</sup> Hw <sup>T</sup> Pw <sup>31,57</sup> Pl <sup>100</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
											Lw 2.0				
18114	Baseline	ICHmw2	03	Fd <sup>58</sup> Lw	PI Cw Pw <sup>31,57</sup> Sx <sup>10,13</sup> Pv <sup>T9,14,23</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	2.0	150
											Lw 2.0				
18115	Baseline w. reduced mitd	ICHmw2	03	Fd <sup>58</sup> Lw	PI Cw Pw <sup>31,57</sup> Sx <sup>10,13</sup> Pv <sup>T9,14,23</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	1.7	150
											Lw 2.0				
18116	Pl, Pw Py moved to preferred	ICHmw2	03	Fd <sup>58</sup> Lw Pl <sup>100</sup> Pw <sup>31,57</sup>	Cw Sx <sup>10,13</sup> Hw <sup>T</sup> Pv <sup>T9,14,23</sup>	1200	700	600	7	12	20	PI Pw	2.0	2.0	150
											Lw 2.0				

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Administration info.		BGC		Regeneration Guide				Free Growing Guide							
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18117	PI, Pw Py moved to preferred & mitd reduced	ICHmw2	03	Fd <sup>58</sup> Lw PI <sup>100</sup> Pw <sup>31,57</sup> Py <sup>T9,14,23</sup>	Cw Sx <sup>10,13</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	Fd	1.4	150	
												Others	1.0		
												PI Pw	2.0		1.7
												Lw	2.0		
18118	Transition ss for 03 to non-forested 02	ICHmw2	02-03	Fd <sup>58</sup> Lw PI <sup>100</sup> Pw <sup>31,57</sup>	Cw Sx <sup>10,13</sup> P <sup>T9,14,23</sup> Hw <sup>T</sup>	1000	500	400	7	12	20	Fd	1.4	150	
												Others	1.0		
												PI Pw	2.0		2.0
												Lw	2.0		
18119	Transition ss for 03 to non-forested 02 & w. reduced mitd	ICHmw2	02-03	Fd <sup>58</sup> Lw PI <sup>100</sup> Pw <sup>31,57</sup>	Cw Sx <sup>10,13</sup> P <sup>T9,14,23</sup> Hw <sup>T</sup>	1000	500	400	7	12	20	Fd	1.4	150	
												Others	1.0		
												PI Pw	2.0		1.7
												Lw	2.0		
18120	Baseline	ICHmw2	04	Fd <sup>58</sup> Lw Sx <sup>10,13</sup>	PI Cw Bl <sup>T10,13</sup> Pw Py <sup>T</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	Fd	1.4	150	
												Others	1.0		
												PI Pw	2.0		2.0
												Lw	2.0		
18121	Baseline w. reduced mitd	ICHmw2	04	Fd <sup>58</sup> Lw Sx <sup>10,13</sup>	PI Cw Bl <sup>T10,13</sup> Pw Py <sup>T</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	Fd	1.4	150	
												Others	1.0		
												PI Pw	2.0		1.7
												Lw	2.0		
18122	PI Py Pw moved to preferred	ICHmw2	04	Fd <sup>58</sup> Lw Sx <sup>10,13</sup> PI Py <sup>T</sup> Pw <sup>31, 49, 57</sup>	Cw Bl <sup>T10,13</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	Fd	1.4	150	
												Others	1.0		
												PI Pw	2.0		2.0
												Lw	2.0		
											Fd	1.4			

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Administration info.		BGC		Regeneration Guide				Free Growing Guide							
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18123	PI Py Pw moved to preferred & reduced mitd	ICHmw2	04	Fd <sup>58</sup> Lw Sx <sup>10,13</sup> PI Py <sup>T</sup> Pw <sup>31, 49, 57</sup>	Cw BI <sup>T10,13</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18124	Baseline	ICHmw2	05	Cw Fd <sup>9,14,58</sup> Hw Lw <sup>9,14</sup> Sx	BI PI Pw <sup>31,57</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18125	Baseline w. reduced mitd	ICHmw2	05	Cw Fd <sup>9,14,58</sup> Hw Lw <sup>9,14</sup> Sx	BI PI Pw <sup>31,57</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18126	Pw moved to preferred	ICHmw2	05	Cw Fd <sup>9,14,58</sup> Hw Lw <sup>9,14</sup> Sx Pw <sup>31,49, 57</sup>	BI PI	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18127	Pw moved to preferred and mitd reduced	ICHmw2	05	Cw Fd <sup>9,14,58</sup> Hw Lw <sup>9,14</sup> Sx Pw <sup>31,49, 57</sup>	BI PI	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18128	Baseline	ICHmw2	06	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup>	BI Hw <sup>32</sup> Pw <sup>31, 57</sup> PI	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		

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Administration info.		BGC		Regeneration Guide					Free Growing Guide						
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18129	Baseline w. reduced mitd	ICHmw2	06	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup>	BI Hw <sup>32</sup> Pw <sup>31, 57</sup> PI	1200	700	600	4	9	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0	1.7	150
18130	Planted Hw BI Pw	ICHmw2	06	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Hw <sup>32</sup> Pw <sup>31,49,57</sup>	BI PI	1200	700	600	4	9	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0	2.0	150
18131	Planted Hw BI Pw & reduced mitd	ICHmw2	06	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Hw <sup>32</sup> Pw <sup>31,49,57</sup>	BI PI	1200	700	600	4	9	20	PI Pw Lw Fd Others	2.0 2.0 1.4 1.0	1.7	150
18132	Baseline	ICHmw2	07	Cw <sup>1,32</sup> Sx <sup>1</sup>	BI <sup>1</sup> Hw <sup>1,32</sup> Pw <sup>1,31</sup> PI <sup>1</sup>	1000	500	400	4	9	20	PI Pw Others	1.4 0.8	2.0	150
18133	Baseline w. reduced mitd	ICHmw2	07	Cw <sup>1,32</sup> Sx <sup>1</sup>	BI <sup>1</sup> Hw <sup>1,32</sup> Pw <sup>T1,31</sup> PI <sup>1</sup>	1000	500	400	4	9	20	PI Pw Others	1.4 0.8	1.7	150
18134	Baseline	ICHmw2	08	Cw <sup>1,32</sup> PI <sup>1</sup> Sx <sup>1</sup>	BI <sup>1</sup> Hw <sup>1,32</sup>	1000	500	400	4	9	20	PI Pw Others	1.4 0.8	2.0	150
18135	Baseline w. reduced mitd	ICHmw2	08	Cw <sup>1,32</sup> PI <sup>1</sup> Sx <sup>1</sup>	BI <sup>1</sup> Hw <sup>1,32</sup>	1000	500	400	4	9	20	PI Pw Others	1.4 0.8	1.7	150

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Administration info.		BGC		Regeneration Guide					Free Growing Guide						
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18136	Baseline	ICHxw	01	Fd <sup>58</sup> Lw PI Py Pw <sup>31,49</sup>	Bg <sup>10,13</sup> Cw Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18137	Baseline w. reduced mitd	ICHxw	01	Fd <sup>58</sup> Lw PI Py Pw <sup>31,49</sup>	Bg <sup>10,13</sup> Cw Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18138	Baseline	ICHxw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49</sup>	Bg <sup>28</sup> Cw Sx <sup>10,13</sup> Bl <sup>T10,13</sup> Hw <sup>T</sup> PI	1200	700	600	7	12	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18139	Baseline w. reduced mitd	ICHxw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49</sup>	Bg <sup>28</sup> Cw Sx <sup>10,13</sup> Bl <sup>T10,13</sup> Hw <sup>T</sup> PI	1200	700	600	7	12	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18140	PI moved to preferred only where meets PI100 footnote	ICHxw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49</sup> PI <sup>100</sup>	Bg <sup>28</sup> Cw Sx <sup>10,13</sup> Bl <sup>T10,13</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18141	PI move to preferred only where meets PI100 footnote & reduced mitd	ICHxw	01a	Fd <sup>58</sup> Lw Py Pw <sup>31,49</sup> PI <sup>100</sup>	Bg <sup>28</sup> Cw Sx <sup>10,13</sup> Bl <sup>T10,13</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		

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Administration info.		BGC		Regeneration Guide					Free Growing Guide						
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18142	Baseline	ICHxw	01b	Fd <sup>58</sup> Lw PI Py <sup>9,14</sup> Cw <sup>31,49</sup> Sx <sup>10,13</sup>	Bg Hw Bl <sup>T10,13</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18143	Baseline & reduced mitd	ICHxw	01b	Fd <sup>58</sup> Lw PI Py <sup>9,14</sup> Cw <sup>31,49</sup> Sx <sup>10,13</sup>	Bg Hw Bl <sup>T10,13</sup> Hw <sup>T</sup>	1200	700	600	7	12	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18144	Baseline	ICHxw	02	Fd <sup>58</sup> Lw Py	Cw Hw <sup>T10,13</sup> Pl <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.4	2.0	150
												Fd	1.0		
												Others	0.8		
18145	Baseline w. reduced mitd	ICHxw	02	Fd <sup>58</sup> Lw Py	Cw Hw <sup>T10,13</sup> Pl <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.4	1.7	150
												Fd	1.0		
												Others	0.8		
18146	PI moved to preferred only where meets PI100 footnote	ICHxw	02	Fd <sup>58</sup> Lw Py Pl <sup>T100</sup>	Cw Hw <sup>T10,13</sup>	1000	500	400	7	12	20	PI Lw	1.4	2.0	150
												Fd	1.0		
												Others	0.8		
18147	PI moved to preferred only where meets PI100 footnote and reduced mitd	ICHxw	02	Fd <sup>58</sup> Lw Py Pl <sup>T100</sup>	Cw Hw <sup>T10,13</sup>	1000	500	400	7	12	20	PI Lw	1.4	1.7	150
												Fd	1.0		
												Others	0.8		
18148	Baseline	ICHxw	03	Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Sx <sup>31,49</sup> Cw <sup>32</sup> Pw <sup>31,49</sup>	Bg32 Hw Pl <sup>1</sup> Bl <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		

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Administration info.		BGC		Regeneration Guide				Free Growing Guide							
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18149	Baseline w. reduced mitd	ICHxw	03	Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Sx Cw <sup>32</sup> Pw <sup>31,49</sup>	Bg <sup>32</sup> Hw Pl <sup>1</sup> Bl <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18150	PI moved to preferred only where meets PI100 footnote	ICHxw	03	Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Sx Cw <sup>32</sup> Pw <sup>31,49</sup> Pl <sup>100</sup>	Bg <sup>32</sup> Hw Bl <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18151	PI moved to preferred only where meets PI100 footnote and reduced mitd	ICHxw	03	Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Sx Cw <sup>32</sup> Pw <sup>31,49</sup> Pl <sup>100</sup>	Bg <sup>32</sup> Hw Bl <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18152	Baseline	ICHxw	04	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Pw <sup>1,31,49</sup>	Bg <sup>1,32</sup> Hw <sup>32</sup> Pl <sup>1</sup> Bl <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18153	Baseline w. reduced mitd	ICHxw	04	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Pw <sup>1,31,49</sup>	Bg <sup>1,32</sup> Hw <sup>32</sup> Pl <sup>1</sup> Bl <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18154	PI moved to preferred only where meets PI100 footnote	ICHxw	04	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Pw <sup>1,31,49</sup> Pl <sup>1, 100</sup>	Bg <sup>1,32</sup> Hw <sup>32</sup> Bl <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	2.0	150
												Lw	2.0		

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Administration info.		BGC		Regeneration Guide					Free Growing Guide						
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18155	PI moved to preferred only where meets PI100 footnote & reduced mitd	ICHxw	04	Cw <sup>32</sup> Sx Fd <sup>1,32,58</sup> Lw <sup>1,32</sup> Pw <sup>1,31,49</sup> P <sup>1,100</sup>	Bg <sup>1,32</sup> Hw <sup>32</sup> BI <sup>T</sup>	1200	700	600	4	9	20	PI Pw	2.0	1.7	150
												Fd	1.4		
												Others	1.0		
												Lw	2.0		
												Fd	1.4		
												Others	1.0		
18156	Baseline	MSdk	01	Fd <sup>32</sup> Lw <sup>32</sup> PI Sx	BI	1200	700	600	7	12	20	PI Lw	1.4	2.0	125
												Others	0.8		
18157	Baseline w. reduced mitd	MSdk	01	Fd <sup>32</sup> Lw <sup>32</sup> PI Sx	BI	1200	700	600	7	12	20	PI Lw	1.4	1.7	125
												Others	0.8		
18158	Baseline	MSdk	03	Fd Lw PI	Sx BI <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.0	2.0	125
												Others	0.6		
18159	Baseline w. reduced mitd	MSdk	03	Fd Lw PI	Sx BI <sup>T</sup>	1000	500	400	7	12	20	PI Lw	1.0	1.7	125
												Others	0.6		
18160	Baseline	MSdk	04	Fd Lw PI Sx	BI	1200	700	600	7	12	20	PI Lw	1.4	2.0	125
												Others	0.8		
18161	Baseline w. reduced mitd	MSdk	04	Fd Lw PI Sx	BI	1200	700	600	7	12	20	PI Lw	1.4	1.7	125
												Others	0.8		
18162	Baseline	MSdk	05	Fd <sup>32</sup> Lw <sup>32</sup> PI Sx	BI	1200	700	600	7	12	20	PI Lw	1.4	2.0	125
												Others	0.8		

Kootenay Lake Forest District - Default Stocking Standards, December 2007

Administration info.		BGC		Regeneration Guide						Free Growing Guide					
Regime #	Name	Classification		Species		Target (well-spaced/ha)	MIN pa	MIN p	Regen delay (max yrs)	Assessment		Height (meters)	Minimum inter-tree distance	% Tree over Brush	
		Zone/ SZ	Series	Preferred (p)	Acceptable (a)					Earliest (yrs)	Latest (yrs)				Species
18163	Baseline w. reduced mitd	MSdk	05	Fd <sup>32</sup> Lw <sup>32</sup> PI Sx	BI	1200	700	600	7	12	20	PI Lw	1.4	1.7	125
												Others	0.8		
18164	Baseline	MSdk	06	Sx Fd <sup>1,32</sup> Lw <sup>1,32</sup>	BI PI <sup>1</sup>	1200	700	600	4	9	20	PI Lw	1.4	2.0	125
												Others	0.8		
18165	Baseline w. reduced mitd	MSdk	06	Sx Fd <sup>1,32</sup> Lw <sup>1,32</sup>	BI PI <sup>1</sup>	1200	700	600	4	9	20	PI Lw	1.4	1.7	125
												Others	0.8		

## **Lw Footnote:**

Western Larch (*Larix occidentalis*) grows in relatively moist-cool climatic zones, with low temperatures limiting its upper elevational range and deficient moistures its lower extremes. Larch is generally not susceptible to damage from snow and ice. Since it is a deciduous tree, the branches seldom accumulate excessive amounts of either snow or ice.

### **For Areas with greater than 25% Lw in the mature overstorey or adjacent stand**

In order to move Lw from “Acceptable” to “Preferred”, the following criteria shall apply:

1. Larch is present or was present in the mature overstorey or adjacent mature overstorey of similar site series, slope, aspect and elevation and is  $\geq 25\%$  of the overstorey. Or, larch is present in the adjacent immature stands as planted or natural regeneration ( $\geq 15$  years since establishment and is performing well) and is  $\geq 25\%$  of the stand based on the silviculture label. Acceptable performance is indicated by good form and vigor, with minimum evidence of damage and relatively disease free. Free growing damage criteria will apply.
2. Is limited to lower elevations of the subzone and meets the requirements in 1). Lower elevation is defined as:
  - 1525 to 1575 metres on cool aspects,
  - 1625 to 1650 metres on warm aspects,
  - There are two areas of even lower subdued terrain in the upper Little Moyie River and Skelly Creek Drainages, where elevations are much lower – lower elevations there are 1450 metres (cool aspect) and 1510 metres (warm aspect).
3. Can be managed as preferred where forest health issues have been identified for other preferred species and described in the Site Plan, but is still limited to lower elevations as stated in (2).

### **For Areas with less than 25% Lw in the mature or adjacent stand**

Where criteria #2 and 3 are met and there is 10-25% Lw in the pre-harvest stand, then Lw can count towards a maximum of 25% of the total well spaced preferred stems.

### **For Areas with less than 10% Lw in the mature or adjacent stand**

Where there is  $< 10\%$  Lw in the pre-harvest stand, Lw shall remain as acceptable and shall not be moved to preferred unless appropriate forest health issues are identified. Then Lw may be moved to preferred if the area is situated on similar slopes, aspects, and elevations of successful plantations.

Appropriate documentation includes cruise compilations, silviculture surveys on older established stands, professional site assessments and pre-harvest silviculture data.

**Se Footnote:**

Climatic limiting factors to the growth of Engelmann spruce (*Picea engelmannii*) in the ESSF are primarily the short growing season, cold soils and low nighttime air temperatures, and, in some areas, snow, wind or frost damage. Spruce occurs over the full range of forested site conditions within the ESSF, but, as in other zones it is uncommon and grows poorly on submesic and drier sites in dry climate subzones and on the most xeric sites in the wetter subzones.

**For Areas with greater than 25% Se in the mature overstory or adjacent stand**

In order to move Se from “Acceptable” to “Preferred”, the following criteria shall apply:

1. Spruce is present or was present in the mature overstorey or adjacent mature overstorey of similar site series, slope, aspect and elevation and is  $\geq 25\%$  of the overstorey. Or, spruce is present in the adjacent immature stands as planted or natural regeneration ( $\geq 15$  years since establishment) and is  $\geq 25\%$  of the stand based on the silviculture label. Acceptable performance is indicated by good form and vigor, with minimum evidence of damage and relatively disease free. Free growing damage criteria will apply, and.
2. The area must be a moister aspect based on a site assessment.
3. Can be managed as preferred where forest health issues have been identified for other preferred species and described in the Site Plan, but must meet 1 and 2.

**For Areas with less than 25% Se in the mature or adjacent stand**

Where criteria #2 and 3 are met and there is 10-25% Se in the pre-harvest stand, then Se can count towards a maximum of 25% of the total well spaced preferred stems.

**For Areas with less than 10% Se in the mature or adjacent stand**

Where there is 10% Se in the pre-harvest stand, Se shall remain as acceptable and shall not be moved to preferred unless appropriate forest health issues are identified. Then Se may be moved to preferred if the area is situated on similar slopes, aspects, and elevations of successful plantations.

Appropriate documentation includes cruise compilations, silviculture surveys on older established stands, professional site assessments and pre-harvest silviculture data.

## **PI 100 footnote:**

In order to move Pli from “acceptable” to “preferred” in the Kootenay Lake Stocking Standards, the following criteria shall apply:

### ***For areas with greater than 25% Pli in the mature overstory;***

Pli can only be moved to preferred on sites where all of the following criteria are met:

- 1) Pli consisted of >25% of the mature overstory,
- 2) Extensive, historically proven stands of Pli existed pre-harvest\*,
- 3) the harvested Pli is generally of good form and quality,
- 4) the site series is drier than mesic and there is no humidity build-up (e.g. sloping sites, off valley floor bottoms, away from lakes), and
- 5) there is minimal evidence of snow damage in the mature stand(s).

If the 5 criteria are met and there is;

- >50% Pli in the pre-harvest stand (based on merchantable volume), then Pli can count towards up to 100% of total well spaced stems.
- 25-50% Pli in the pre-harvest stand, then Pli can count towards a maximum of 50% of total well spaced stems.

### ***For Areas with less than 25% Pli in the mature stand***

Where criteria #2, 3, 4, and 5, are met and there is 10-25% Pli in the pre-harvest stand, then Pli can count towards a maximum of 25% of total well spaced stems.

### ***For Areas with less than 10% Pli in the mature stand***

Where there is <10% Pli in the pre-harvest stand, Pli shall remain as acceptable and shall not be moved to preferred unless either of the following instances exist immediately adjacent in stands situated on similar site series, slope, aspect, and elevation;

- mature stands of >25 % Pli that meet criteria 2 through 5, or
- Pli plantations (Pli >25%) that have survived and are healthy at age 25

Then,

- Pli can be moved to preferred to a maximum of 25% of total well spaced stems.

### ***General: applies to all instances***

Generally, these sites will be limited to south facing aspects with slopes greater than 25%

\*The test for meeting these criteria shall be evidence that stands either existed on the same site as the proposed block, or a stand immediately adjacent that fits the 5 criteria and has the same site series, slope, aspect, and topography as the proposed block. Cruise compilations and rationale should be kept on file to demonstrate the above.

**Conifer Tree Species**

"Ba" means amabilis fir;  
"Bg" means grand fir;  
"Bl" means subalpine fir;  
"Bp" means noble fir;  
"Cw" means western red cedar;  
"Fd" means Douglas-fir;  
"Hm" means mountain hemlock;  
"Hw" means western hemlock;  
"Lt" means tamarack;  
"Lw" means western larch;  
"Pa" means whitebark pine;  
"Pl" means lodgepole pine;  
"Pw" means white pine;  
  
"Py" means ponderosa pine;  
"Sb" means black spruce;  
"Se" means Engelmann spruce;  
"Ss" means Sitka spruce;  
"Sw" means white spruce;  
"Sx" means hybrid spruce or interior spruce;  
"Sxs" means hybrid Sitka spruce;  
"Sxw" means hybrid white spruce;  
"Yc" means yellow cedar.

**Broadleaf Tree Species**

"Acb" means balsam poplar;  
"Act" means black cottonwood;  
"At" means trembling aspen;  
"Dr" means red alder;  
"Ep" means common paper birch;  
"Mb" means bigleaf maple;  
"Qg" means garry oak;  
"Ra" means arbutus;

"**Biogeoclimatic unit**" or "**BGC classification**" means the zone, subzone, variant and site series described in the most recent field guide published by the Ministry of Forests for the identification and interpretation of ecosystems, as applicable to a harvested area.

"**MIN** or "**Min**" means minimum.

"**P**" means Preferred, "**A**" means Acceptable

## Provincial footnotes

<b>Footnote #</b>	<b><u>Footnote</u></b>
1	elevated microsites are preferred
2	suitable on thick forest floors
3	restricted to coarse-textured soils
4	restricted to medium-textured soils
5	footnote retired
6	restricted to nutrient-very-poor sites
7	restricted to nutrient-medium sites
8	restricted to steep slopes
9	restricted to southerly aspects
10	restricted to northerly aspects
11	restricted to crest slope positions
12	suitable on cold air drainage sites
13	restricted to upper elevations of biogeoclimatic unit
14	restricted to lower elevations of biogeoclimatic unit (species not acceptable within 200m (vertical) of units max elevation)
15	restricted to northern portion of biogeoclimatic unit in region
16	restricted to southern portion of biogeoclimatic unit in region
17	restricted to western portion of biogeoclimatic unit in region
18	restricted to eastern portion of biogeoclimatic unit in region
19	restricted, not in Queen Charlotte Islands
20	restricted, not near outer coast
21	restricted to mainland
22	restricted to southern Gardner Canal-Kitlope area
23	restricted to max 20% of well spaced P&A
24	suitable (as a major species) in wetter portion of biogeoclimatic unit
25	suitable on sites lacking salal
26	suitable minor species on salal-dominated sites
27	partial canopy cover required for successful establishment
28	limited by moisture deficit
29	risk of heavy browsing by moose
30	risk of porcupine damage
31	risk of white pine blister rust
32	limited by growing-season frosts
33	footnote retired and replaced with footnote 'a'
34	risk of snow damage
35	risk of weevil damage
36	suitable major species on salal-dominated sites
37	risk of heart rots
38	footnote retired
39	avoid exposed and windy sites
40	risk of redheart
41	limited by poorly drained soils
42	restricted to fresh soil moisture regimes
43	suitable on mainland coast only (QCI only)
44	suitable in areas with stronger maritime influence
45	suitable in areas with stronger continental influence

Provincial footnotes

**Footnote #**

**Footnote**

- 46 restricted to area north of the Dean Channel
- 47 risk of balsam woolly adelgid
- 48 risk of heavy browsing by deer
- 49 applies only to rust resistant, planted stock.
- 50 restricted to sites where the species occurs as a major species in a pre-harvest, natural stand
- 51 restricted to areas with proven PI performance
- 52 restricted to sheltered microsites with deep soil
- 53 minor component
- 54 risk of unsuccessful release of advance regeneration
- 55 acceptable in sx-sm portion of site series

**# Broadleaf Management Constraints**

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

**# Localized Footnotes**

- 56 **Kalum** forest district - spruce content restricted to < 20% well spaced and FG trees on a standards unit due to leader weevil.
- 57 **Arrow/Columbia** forest district - Pw rust-resistant stock may be preferred to a max 50% of WSSpa.  
Pw naturals - accept to max 50% /plot, 10% WSSpa. Min pruning ht 1.0m applies to natural Pw required to meet MSSpa
- 58 **Arrow** forest district - Fd and Bg limited to a max 50% of WSSpa due to Armillaria root rot.
- 59 **Prince George region** - max 1,400 total sph of aspen and cottonwood. Treat as 'ghost' trees in surveys.
- 60 **Squamish** forest district - species is acceptable in SFD only.
- 61 **Squamish** forest district - accept on cold air drainage sites only
- 62 **S. Island** forest district - may only be used as acceptable sp. within the balsam woolly adelgid quarantine zone.
- 63 **Queen Charlotte Islands** forest district - must meet DM specified Min WSS p stems per hectare and min height requirements for Cw and/or Yc
- 64 **North Coast** forest district - species is preferred in NCFD only.
- 65 **North Coast** FD - species is acceptable in NCFD only.
- 66 **Mackenzie** FD - may be preferred where risk of snow damage is low or where risk of frost damage is excessive on spruce
- 67 **Chilliwack** forest district - species is acceptable in CFD only.
- 68 **Chilliwack** forest district - species is preferred in CFD only.
- 69 Species is restricted to upper elevations when used in the southern portion of the biogeoclimatic unit.
- 70 Restricted to a maximum of 20% of WSSpa on N aspects.
- 71 Restricted to a maximum of 50% of WSSpa.
- 72 PI restricted to the extent it previously existed on site as a commercial species (based on cruise or scale).

PI restricted to the extent it previously existed on site as a commercial species (based on cruise or scale).

## Stocking Requirements for Single Tree Selection

Target from Table A standards (stems/ha)/Standards ID #	Layer**	Stocking***			Target from Table A standards (stems/ha)/Standards ID #	Layer**	Stocking***		
		Target pa	MIN pa	MIN p			Target pa	MIN pa	MIN p
		(well-spaced/ha)					(well-spaced/ha)		
<b>1200-(18200)</b>	1	600	300	250	<b>800-(18204)</b>	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
<b>1000-(18201)</b>	1	400	200	200	<b>600-(18205)</b>	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
<b>900-(18203)</b>	1	400	200	200	<b>400-(18206)</b>	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

MIN - minimum

\* 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 12 months after completion of harvest and the latest date is 24 months after completion of harvest.

### \*\* Stand Layer Definition

Layer 1	Mature	trees >= 12.5 cm dbh
Layer 2	Pole	trees 7.5 cm to 12.4 cm dbh
Layer 3	Sapling	trees >= 1.3 m height to 7.4 cm dbh
Layer 4	Regeneration	trees < 1.3 m height

\*\*\* pa - preferred and acceptable species      p - preferred species

Preferred and acceptable species and "Target from Table A standards" are as specified in Table A by biogeoclimatic ecosystem classification (BEC) site series.

## Footnotes specific to Kootenay Lake Forest District

The "100" series footnotes denote DKL April2003 criteria that exist in addition to existing footnotes from the Establishment to Free Growing guidebook (May 2000).

Number	Name	Criteria
	T Tertiary	"T" denotes that species came from the tertiary category as per the Establishment to Free Growing Guidelines May 2000
100	Pli to preferred (otherwise acceptable)	See separate page, "PI 100 footnote."
101	Pli ESSFdm1-4	PI can be planted to comprise up to 50% of total well spaced stems, otherwise it is acceptable.
102	ICHdw-01a	Cw can be moved to preferred on wet microsites only, otherwise it is 'acceptable.'
103		BI can only comprise <30% of total well spaced stems

The following worksheets are included with this workbook (see tabs at the bottom of the screen):

**Text -Additional standards**, and instructions on using some Excel features associated with the guide.

**DKL Footnotes** - Footnotes specific to the Kootenay Lake Forest District.

**Footnotes from guidebook** - contains definitions and footnotes for the stocking standards from the Establishment to Free Growing Guidebook, Nelson Region, May 2000.

**DKLssApril2, 2003** - stocking standards for the Kootenay Lake Forest District

### **Additional Standards Kootenay Lake District**

#### **Maximum Density (all areas)**

Max (sph) - 10,000

Post Spacing (sph): Min=700, Max=target+ 700 sph, except PI where Max=2500

#### **Reductions in stocking standards**

Reductions in target/minimum stocking levels will be considered as separate amendments to the forest development plan on a site specific basis.

#### **Minimum Inter-tree Distance**

Trees must be the greater than or equal to the approved minimum inter-tree distance apart in order to be well spaced:

<u>Minimum inter-tree distance (m)</u>	<u>Location/condition</u>
2.00	Normal standard
1.70	To facilitate selection of superior planting microsites when sites have: well dispersed occurrence of standing water, well dispersed occurrence of bedrock outcrops, mechanical site prep. Including: mounding, discing, and rough bunching, forest health (root rot), cattle congregation, riparian areas with residuals, extremely harsh sites where obstacle planting for either snow creep or shade is necessary.
1.50	For fill planting where a plantaion has failed. Regime #'s have not yet been assigned for this, so they will be dealt with on a one-off basis for now.

Plantability surveys should be completed to provide justification for reducing MITD

#### **Height of Trees Relative to Competing Vegetation**

In addition to being at least the required minimum height, tree height must be greater than the following % relative to competing vegetation within a one metre radius of the trunk:

% Ht above competing veg.

125%  
150%

Location/condition

ESSF IDF BGC zones  
all other BGC zones

Note: Free growing status will be evaluated using the MOF procedures in place at the time of assessment. Current procedures are defined in Appendix 9 of the Establishment to Free Growing Guidebook: Nelson, Region, May, 2002.

**Minimum Leave Tree Characteristics:**

**Advanced Regeneration:**

Advanced regeneration must meet the requirements of Appendix 10 of the Establishment to Free Growing Guidebook, Nelson Region, May 2000 to be acceptable.

**Wildlife Trees:**

Wildlife trees must be in accordance with the BC wildlife tree classification system as defined in the "Wildlife/Danger Tree Assessor's Course Workbook" revised February 2000.

**Dispersed Strata**

On standards units where dispersed, non-mappable (at a scale of 1:20000) complexes of differing site series exist, they will be identified and quantified, e.g. NAR=20 ha, stratum A=18 ha of sites series 01 and stratum B=2 ha of sites series 06. Corresponding stocking standards will apply.

**Reducing the Early Free Growing Time Frame**

Early free growing window may be reduced at the discretion of the District Manager, to a minimum of 5 years from establishment in the ICH and eight years from establishment in the ESSF zones where neither potential expression of forest health agents or the development of competing vegetation is a concern.