ROCKY MT		BGC			ROCKV MOUNTAIN FORS				7 07 0	<u>JCOOM</u>			ing Guide	e		Post Sp	pacing
STOCKING	NAME	Classific	ation	Spe	cies	S	tockin	g(i)	Min	Regen	Assessn	nent	Min. Heigh	t(ii)	Tree Height	Min	Max
STANDARD				Cor	ifer	Target			Intertree	Delay	Earliest	Latest	Species	Ht	To Brush		
ID NUMBER		Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-sp	aced/h	a)	Distance	(Max yrs)	(yrs)	(yrs)		(m)	(min%)		
1001782		ESSFdk	01	PI Se Fd ¹⁴ Lw ¹⁴	ВІ	1200	700	600	2.0	7	-	20	PI, Lw Fd Others	1.6 1.0 0.8	125	1200	2200
1001786		ESSFdk	02	Fd ^{9,14} Lw ^{9,14} PI	Se Pa ³¹ Bl	1000	500	400	2.0	7	-	20	PI,Lw Fd	1.2 0.8	125	1200	2200
1001783	UWROF1	ESSFdk	02	Fd ^{9,14} Lw ^{9,14} PI	Se Pa ³¹ BI	U8	76 ^{U10}	U20	2.0 74	-	-	20	Others PI,Lw Fd	0.6 1.2 0.8	125	76	400 ^{U14}
1001784		ESSFdk	03	PI Fd ¹⁴ Lw ¹⁴ Se	ВІ	1200	700	600	2.0	7	-	20	Others PI, Lw Fd Others	0.6 1.6 1.0 0.8	125	1200	2200
1001787		ESSFdk	04	PI Se Fd ¹⁴ Lw ¹⁴	BI Pa ³¹	1200	700	600	2.0	7	-	20	PI, Lw Fd Others	1.6 1.0 0.8	125	1200	2200
1001788		ESSFdk	05	Bl ³² Pl Se ³²		1200	700	600	2.0	4	-	20	PI Others	1.6 0.8	125	1200	2200
1001789		ESSFdk	06	Bl ³² Pl Se ³²		1200	700	600	2.0	4	-	20	PI Others	1.6 0.8	125	1200	2200
		ESSFdk	07	non-forested	24.70	-	-	-		-	-	-	-	-			
1001790		ESSFwm		BI Se Fd ¹⁴ Lw ¹⁴	Pl ^{34,/0}	1200			2.0	4	-	20	Lw, PI Others	2.0 1.0	125	1200	2200
1001791		ESSFwm		Se Pl ³⁴	BI	1200			2.0	7	-	20	PI Others	2.0 1.0	125	1200	2200
1001792		ESSFwm	03	Fd ^{9,32} Lw ^{9,32} Se	BI PI ^{34,70} Pw ^{9,31,32,49}	1200	700	600	2.0	4	-	20	PI, Pw Lw Fd Others	2.0 2.0 1.4 1.0	125	1200	2200
1001793		ESSFwm	04	BI Se	Pl ³⁴	1200	700	600	2.0	4	-	20	PI Others	2.0 1.0	125	1200	2200

^{1,2} etc - see "Footnotes"

September 19, 2006 1 of 6

ROCKY MT		BGC		Rocky Mountain Forest District Regeneration Guide					7 07 0	JECONI			ing Guide	е		Post Spacing		
STOCKING	NAME	Classific	ation	Spe	ecies	St	ockin	g(i)	Min	Regen	Assessr	nent	Min. Heigh	ıt(ii)	Tree Height	Min	Max	
STANDARD				Cor	nifer	Target N	/IN pal	ИIN р	Intertree	Delay	Earliest	Latest	Species	Ht	To Brush			
ID NUMBER		Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-sp	aced/ha	a)	Distance	(Max yrs)	(yrs)	(yrs)		(m)	(min%)			
1002925		ESSFdm	01	Se Pl	BI ⁷⁷ Hw ¹⁴ Lw ^{14,32,76}	1200	700	600	2.0	4	-	20	PI	1.6	125	1200	2200	
					Fd ¹⁴								Others	0.8				
1002926		ESSFdm	02	PI	Se ^{76,32,10} BI	1000	500	400	2.0	4	-	20	PI	1.6	125	1000	2200	
					Fd ¹⁴ Lw ^{14,76}								Others	0.8				
1002927		ESSFdm	03	PI	Se ⁷⁶ Bl ⁷⁷ Fd ¹⁴	1200	700	600	2.0	4	-	20	PI	1.6	125	1200	2200	
					$Hw^{14} Lw^{14,76}$								Others	0.8				
1002928		ESSFdm	04	Se PI	${\rm BI}^{77}{\rm Hw}^{14,32}$	1200	700	600	2.0	4	-	20	PI	1.6	125	1200	2200	
													Others	0.8				
1002929		ESSFdm	05	Se	BI ⁷⁷ Hw ^{14,32} PI	1200	700	600	2.0	4	-	20	All	0.8	125	1200	2200	
1002930		ESSFdm	06	Se Bl Pl ¹		1000	500	400	2.0	4	-	20	PI	1.6	125	1000	2200	
													Others	0.8				
1001794		ICHdw	01a	Fd ⁵⁸ Lw Py	Bg ²⁸ PI Cw Sx ^{10,13}	1200	700	600	2.0	7	-	20	PI, Pw	2.0	150	1200	2200	
				Pw ^{31,49,57}									Lw	2.0				
													Fd	1.4				
				58 0.14									Others	1.0				
1001795		ICHdw	01b	Fd ⁵⁸ Lw Pl Py ^{9,14}		1200	700	600	2.0	7	-	20	PI, Pw	2.0	150	1200	2200	
				Cw Pw ^{31,49,57} Sx ^{10,13}	'								Lw	2.0				
													Fd	1.4				
				E-158 I D.	_					_			Others	1.0				
1001796		ICHdw	02	Fd ⁵⁸ Lw Py	Cw	1000	500	400	2.0	7	-	20	PI, Lw	1.4	150	1000	2200	
													Fd Others	1.0 0.8				
1001797		ICHdw	03	Fd ^{1,32,58} Lw ^{1,32} Sx	Bg ^{32,58} Hw ³² Pl ¹	1200	700	600	2.0	4		20	PI, Pw	2.0	150	1200	2200	
1001797		ICHUW	03	Cw ³² Pw ^{31,49,57}	Dg 11W 11	1200	700	800	2.0	4	-	20		2.0	150	1200	2200	
				OW IW									Lw Fd	2.0 1.4				
													Others	1.4				
1001798		ICHdw	04	Cw ³² Sx Fd ^{1,32,58}	Bg ^{1,32} Pl ¹	1200	700	600	2.0	4	_	20	PI, Pw	2.0	150	1200	2200	
1001700			U-T	Lw ^{1,32} Pw ^{1,31,49,57}	- 3	1200	, 50	550	2.0	T		20	Lw	2.0		1200	2200	
													Fd	1.4				
													Others	1.0				
														-				

^{1,2} etc - see "Footnotes"

^{*}Avoid logging
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ROCKY MT		BGC Regeneration Guide								Growi	Post Spacing						
STOCKING	NAME	Classifi	cation		cies		tockin	q(i)	Min	Regen	Assessi		Min. Heigh		Tree Height	Min	Max
STANDARD				Con		Target			Intertree	Delay	Earliest		Species	Ht	To Brush		
ID NUMBER		Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-sp	aced/h	a)	Distance	(Max yrs)	(yrs)	(yrs)		(m)	(min%)		
1001800		ICHmk1	01	Fd ^{9,14,32} Lw ^{9,14,32}	BI ^{10,13} Cw ^{10,13,32}	1200	700	600	2.0	7	-	20	PI, Lw	2.0	150	1200	2200
				PI Sx ^{10,13}									Fd	1.4			
													Others	1.0			
1001801	UWROF2	ICHmk1	02	Fd Pl	Sx ^{10,13} Py ^{9,14}	U8	76 ^{U10}	U20	2.0 74	-		20	PI	1.4	125	76	400 ^{U14}
													Fd	1.0			
					- 1013 - 914								Others	8.0			
1001802		ICHmk1	02	Fd Pl	Sx ^{10,13} Py ^{9,14}	600	400	400	2.0	7	-	20	PI	1.4	150	600	1000
													Fd	1.0			
4004000		1011 14	20	Fd Lw PI Sx ^{10,13}	Cw ^{10,13} Py ^{9,14}	4000	500	400	0.0	_		00	Others	0.8	450	4000	0000
1001803		ICHmk1	03	ru Lw Pi 3x	Cw Fy	1000	500	400	2.0	7	-	20	PI, Lw Fd	1.4 1.0	150	1000	2200
													Others	0.8			
1001804		ICHmk1	04	Fd ³² Lw ³² PI Sx ^{10,13}	Cw ^{10,13} Pv ^{9,14} Bl ¹³	1200	700	600	2.0	7	_	20	PI, Lw	2.0	150	1200	2200
1001004		CHILIKI	04	14 20 1100	o , b.	1200	700	000	2.0	,	_	20	Fd	1.4	130	1200	2200
													Others	1.0			
1001805		ICHmk1	05	PI Sx Fd ^{9,14,32}	BI Cw ³²	1200	700	600	2.0	4	-	20	PI, Lw	2.0	150	1200	2200
				Lw ^{9,14,32}						-			Fd	1.4			
													Others	1.0			
1001806		ICHmk1	06	PI Sx Fd ^{9,14,32}	BI Lw ^{9,14,32} Cw ³²	1200	700	600	2.0	4	-	20	PI, Lw	2.0	150	1200	2200
													Fd	1.4			
													Others	1.0			
1001807		ICHmk1	07	$Pl^1 Sx^1 Fd^{1,32}$	Bl ¹ Cw ³²	1000	500	400	2.0	4	-	20	PI, Lw	1.4	150	1200	2200
				Lw ^{1,32}									Fd	1.0			
													Others	0.8			

^{1,2} etc - see "Footnotes"

^{*}Avoid logging
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Rocky Mountain Forest District FSP Stocking Standards**																	
ROCKY MT		BGC		R	egeneration G	iuide					Free	Grow	ing Guide	е		Post Sp	pacing
STOCKING	NAME	Classific	cation	Spe	cies	St	ockin	g(i)	Min	Regen	Assessn	nent	Min. Heigh	t(ii)	Tree Height	Min	Max
STANDARD				Con	ifer	Target I	MIN pa	MIN p	Intertree	Delay	Earliest	Latest	Species	Ht	To Brush		
ID NUMBER		Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-sp	aced/h	a)	Distance	(Max yrs)	(yrs)	(yrs)		(m)	(min%)		
1001808		ICHmw1	01	Fd Pl Cw	Hw Bl Lw ^{23,71}	1200	700	600	2.0	4	-	20	PI, Pw	2.0	150	1200	2200
				Pw ^{31,49} Sx									Lw	2.0			
													Fd	1.4			
				24.40	4D 20 20								Others	1.0			
1001809		ICHmw1	02	Fd Pw ^{31,49}	PI ⁴⁹ Cw ²⁸ Sx ²⁸	1200	700	600	2.0	7	-	20	PI, Pw	2.0	150	1200	2200
													Lw	2.0			
													Fd	1.4			
4004040		10114	00	Fd Pl Pw ^{31,49}	Bl ²⁸ Cw ²⁸ Hw	4000	700	000	0.0	7		00	Others	1.0	450	4000	0000
1001810		ICHmw1	03	Sx ^{10,13,28}	Lw ^{23,71}	1200	700	600	2.0	7	-	20	PI, Pw	2.0	150	1200	2200
				SX	LW								Lw Fd	2.0			
\vdash													Others	1.4 1.0			
1001811		ICHmw1	04	Fd Pl Pw ^{31,49}	Bl ²⁸ Cw ²⁸ Sx ²⁸	1200	700	600	2.0	7	_	20	PI, Pw	2.0	150	1200	2200
1001011		ioi iiiiw i	04		Lw ^{23,71}	1200	700	000	2.0	,		20	Lw	2.0	150	1200	2200
													Fd	1.4			
													Others	1.0			
1001812		ICHmw1	05	Cw ³² Fd ^{1,32} Hw ³²	BI PI	1200	700	600	2.0	4	-	20	PI, Pw	2.0	150	1200	2200
				Pw ^{1,32,49}									Fd	1.4			
													Others	1.0			
1001813		ICHmw1	06	BI Cw Fd ^{9,14} Hw	PI	1200	700	600	2.0	4	-	20	PI, Pw	2.0	150	1200	2200
				Sx Pw ^{31,49}									Lw	2.0			
													Fd	1.4			
													Others	1.0			
1001814		ICHmw1	07	Cw ³² Hw ³²	BI PI	1000	500	400	2.0	4	-	20	PI	1.4	150	1000	2200
				Sx Fd ^{1,14,32}									Fd	1.0			
													Others	8.0			

^{1,2} etc - see "Footnotes"

^{*}Avoid logging
** Includes NDT4/ UWR standards; Additional information or requirements may be contained in the text of the footnotes.

ROCKY MT		BGC Regeneration											ing Guid	е		Post Spacing		
STOCKING	NAME	Classific	ation		ecies		tockin	g(i)	Min	Regen	Assessr	nent	Min. Heigh	nt(ii)	Tree Height	Min	Max	
STANDARD				Cor	nifer	Target	MIN pa	MIN p	Intertree	Delay	Earliest	Latest	Species	Ht	To Brush			
ID NUMBER		Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-sp	oaced/h	a)	Distance	(Max yrs)	(yrs)	(yrs)		(m)	(min%)			
1001815		ICHmw2	01	Fd ⁵⁸ Lw Cw	Pw ^{31,57} Hw	1200	700	600	2.0	4	-	20	PI, Pw	2.0	150	1200	2200	
		aka		PI Sx ^{10,13}	Bl ¹³								Lw	2.0				
		ICHdm											Fd	1.4				
													Others	1.0				
		ICHmw2		non-forested	94.67	-	-	-		-	-	-	-	-				
1001816		ICHmw2	03	Fd ⁵⁸ Lw PI	Cw Pw ^{31,57}	1200	700	600	2.0	7	-	20	PI, Pw	2.0	150	1200	2200	
					Sx ^{10,13}								Lw	2.0				
													Fd	1.4				
				= 158 t = 10.13	o p 31.57								Others	1.0				
1001817		ICHmw2	04	Fd ⁵⁸ Lw Sx ^{10,13}	Cw Pw ^{31,57}	1200	700	600	2.0	7	-	20	PI, Pw	2.0	150	1200	2200	
				Pl									Lw	2.0				
													Fd	1.4				
4004040		10110	0.5	Cw Fd ^{9,14,58} Hw	BI Pw ^{31,57}	4000	700	000	0.0	4		00	Others	1.0	450	4000	0000	
1001818		ICHmw2	05	Lw ^{9,14} Sx		1200	700	600	2.0	4	-	20	PI, Pw	2.0	150	1200	2200	
				LW 3X	PI								Lw	2.0				
													Fd Others	1.4 1.0				
1001819		ICHmw2	06	Cw ³² Sx Fd ^{1,32,58}	BI Hw ³² Pw ^{31,57}	1200	700	600	2.0	4		20	PI, Pw	2.0	150	1200	2200	
1001019		ICIIIIWZ	00	Lw ^{1,32}	PI ⁷²	1200	700	000	2.0	7		20	Lw	2.0	150	1200	2200	
				LW									Fd	1.4				
													Others	1.0				
1001820		ICHmw2	07	Cw ^{1,32} Sx ¹	BI ¹ Hw ^{1,32} Pw ^{1,31}	1000	500	400	2.0	4	_	20	PI, Pw	1.4	150	1000	2200	
1001020			· ·		Pl^{72}	1000	000	.00	2.0	•			Others	0.8		1000	2200	
1001821		ICHmw2	08	Cw ^{1,32} Pl ¹ Sx ¹	Bl ¹ Hw ^{1, 32}	1000	500	400	2.0	4	_	20	PI	1.4	150	1000	2200	
1001021							000						Others	0.8				
1001822	UWRMF1	IDFdm2	01	Fd ³² Lw ³² Py	PI ^{10,13,73}	1000	500	400	2.0	7	-	20	PI, Lw	1.0	125	500	2000 ^{U14}	
		Note ^{U18}											Fd	0.8				
													Ру	0.6				
1001823	UWROF3	IDFdm2	01	Fd ³² Lw ³² Py	PI ^{10,13}	U8	76 ^{U10}	U20	2.0 74	-	_	20	PI, Lw	0.5	125	76	400 ^{U14}	
		Note ^{U19}		-									Fd	0.5				
													Ру	0.5				
1001824	UWROR1	IDFdm2	02	Fd ²⁷ Py Lw ^{10,13}		U9	0 ^{U10}		2.0 74	-	_	20	Lw,Fd,Py	0.5	125	0	75 ^{U14}	
	UWROR2		03	Fd ²⁷ Py Lw ^{10,13}	PI ^{10,13}	U9	0 ^{U10}	U20	2.0 74	-	_	20	PI, Lw	0.5	125	0	75 ^{U14}	
													Fd	0.5		Ĭ		
													Ру	0.5				

^{1,2} etc - see "Footnotes"

^{*}Avoid logging
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Rocky Mountain Forest District FSP Stockii																	
ROCKY MT		BGC		R	Regeneration G						Free		ing Guid			Post S	pacing
STOCKING		Classific	cation	Spe	ecies		tockin		Min	Regen	Assess		Min. Heigh		Tree Height	Min	Max
STANDARD				Con	nifer	Target	MIN pa	MIN p	Intertree	Delay	Earliest	Latest	Species	Ht	To Brush		
ID NUMBER		Zone/SZ	Series	Preferred (p)	Acceptable (a)	(well-sp	aced/h	a)	Distance	(Max yrs)	(yrs)	(yrs)		(m)	(min%)		
1001826	UWRMF2	IDFdm2	04	Fd ³² Lw ³² PI Sx	Py	1000	500	400	2.0	7	-	20	PI, Lw	1.4	125	500	2000 ^{U14}
													Fd	1.0			
													Others	0.8			
1001827	UWRMF3	IDFdm2	05	PI Sx Fd ^{1,32}		1000	500	400	2.0	7	-	20	PI, Lw	1.0	125	500	2000 ^{U14}
				Lw ^{1,32}									Fd	0.8			
													Sx	0.6			
1001828	UWRMF4		07	Sx ¹ Fd ^{1,32} Lw ^{1,32}	Pl ¹	1000	500	400	2.0	4	-	20	PI, Lw	1.0	125	500	2000 ^{U14}
		Note ^{U15}											Fd	0.8			
													Sx	0.6			
1001830		MSdk	01	Fd ³² Lw ³²	Bl	1200	700	600	2.0	7	-	20	PI, Lw	1.4	125	1200	2200
				PI Sx									Others	8.0			
			02	non-forested		-	-	-		-	-	-	-	-			
1001831		MSdk	03	Fd Lw Pl	Sx	1000	500	400	2.0	7	-	20	PI, Lw	1.0	125	1000	2200
		1147					1140		74				Others	0.6			1144
1001833	UWROF4	MSdk ⁰¹⁷	03	Fd Lw Pl	Sx	U8	76 ^{U10}	U20	2.0 74	-	-	20	PI,Lw	1.4	125	76	400 ^{U14}
													Others	0.6			
1001832		MSdk	04	Fd Lw Pl Sx	BI	1200	700	600	2.0	7	-	20	PI, Lw	1.4	125	1200	2200
				32 . 32									Others	8.0			
1001834		MSdk	05	Fd ³² Lw ³² PI Sx	BI	1200	700	600	2.0	7	-	20	PI, Lw	1.4	125	1200	2200
				1 32 . 1 32	1								Others	8.0			
1001835		MSdk	06	Sx Fd ^{1,32} Lw ^{1,32}	BI PI ¹	1200	700	600	2.0	4	-	20	PI, Lw	1.4	125	1200	2200
					. 10.99.9993	110	1120	1100					Others	8.0			1177
1001836	UWROR3		01	Py Fd ^{27,32}	Lw ^{10,23,32} Pl ²³	U9	0 ⁰¹⁰	U20	2.0	-	-	20	All	0.5	125	0	75 ^{U14}
1001837	UWROR4	PPdh2	02a	Py Fd ^{27,32}		U9	0 ^{U10}		2.0	-	-	20	All	0.5	125	0	75 ^{U14}
1001838	UWROR5	PPdh2	02b	Py Fd ^{27,32}		U9	0 ^{U10}	U20	2.0	-	-	20	All	0.5	125	0	75 ^{U14}
1001839	UWROF5	PPdh2	03	$Fd^{32} Py^1 Sx^{28}$	Lw Pl ²³	U8	76 ^{U10}	U20	2.0 74	-	-	20	All	0.5	125	76	400 ^{U14}

^{1,2} etc - see "Footnotes"

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	Definition -	Rocky Mountain Forest District FSP Stocking Stan	gargs**
	Definitions	# <u>Footnote</u>	# <u>Footnote</u>
	Conifer Tree Species	16 restricted to southern portion of biogeoclimatic unit in region	75 • Dispersed occurrence of bedrock outcrops
	"Ba" means amabilis fir;	17 restricted to western portion of biogeoclimatic unit in region	Mechanical site preparation (including: mounding, disc trenching) Part discuss and have
	"Bg" means grand fir;	18 restricted to eastern portion of biogeoclimatic unit in region	Root disease problems
	"BI" means subalpine fir;	19 19-22 Not applicable to the Rocky Mountain Forest District.	Conditions where obstacle planting for snow creep is necessary.
	"Bp" means noble fir;	23 restricted to trial use	In any instance where the MITD is reduced below 2.0m, the specific reason will be
	"Cw" means western red cedar;	24 suitable (as a major species) in wetter portion of	identified in the site plan and a map showing stratum location and boundaries will
	"Fd" means Douglas-fir;	biogeoclimatic unit	be attached to the site plan. (These items will be appended to the site plan when
	"Hm" means mountain hemlock;	25 Not applicable to the Rocky Mountain Forest District.	the conditions justifying use of reduced MITD have been identified.) The area where
	"Hw" means western hemlock;	26 Not applicable to the Rocky Mountain Forest District.	conditions justify reduced MITD will be stratified separately. One hectare will be the
	"Lt" means tamarack;	27 partial canopy cover required for successful establishment	minimum stratum size. Planting will be conducted to target levels.
	"Lw" means western larch;	28 limited by moisture deficit	The reduced MITD applies to planted trees only.
	"Pa" means whitebark pine;	29 risk of heavy browsing by moose	76 Conditions where Lw may be promoted from "acceptable" to
	"PI" means lodgepole pine;	30 risk of porcupine damage	"preferred" in the ESSFdm:
	"Pw" means white pine;	31 risk of white pine blister rust	Larch may be considered "preferred" at lower elevations in the ESSFdm where it
	"Py" means ponderosa pine;	32 limited by growing-season frosts	is present and performing well in the pre-existing mature overstorey or
	"Sb" means black spruce;	33 footnote retired and replaced with footnote 'a'	adjacent mature overstorey of similar site series, slope, aspect and elevation
	"Se" means Engelmann spruce;	34 risk of snow damage	and is >25% of the overstorey.
	"Ss" means Sitka spruce;	35 risk of weevil damage	Larch may be considered "preferred" at lower elevations in the ESSFdm
	"Sw" means white spruce;	36 Not applicable to the Rocky Mountain Forest District.	where it is present and is performing well as planted or natural regeneration
	"Sx" means hybrid spruce or interior spruce;	37 risk of heart rots	on similar sites in adjacent immature stands that are > 15 years old, and it
	"Sxs" means hybrid Sitka spruce;	38 footnote retired	constitutes >25% of the stand based on the silviculture label.
	"Sxw" means hybrid white spruce;	39 avoid exposed and windy sites	Larch may be considered "preferred" at lower elevations in the ESSFdm where a
	"Yc" means yellow cedar.	40 risk of redheart	significant forest health issue for other preferred species has been identified and
		41 limited by poorly drained soils	described in the Site Plan.
	Broadleaf Tree Species	42 restricted to fresh soil moisture regimes	At lower elevations in the ESSFdm where there is 10-25% Lw in the pre-harvest
	"Acb" means balsam poplar;	43 Footnotes 43-46 Not applicable to the Rocky Mountain Forest District.	stand, Lw may count towards a maximum of 25% of the total well spaced
	"Act" means black cottonwood;	47 risk of balsam wooly adelgid	preferred stems.
	"At" means trembling aspen;	48 risk of heavy browsing by deer	Conditions where Se may be promoted from "acceptable" to
	"Ep" means common paper birch;	49 applies only to rust resistant, planted stock.	"preferred" in the ESSFdm.
		50 restricted to sites where the species occurs as a	Spruce may be considered "preferred" in the ESSFdm on moister sites where it
#	Broadleaf Management Constraints	major species in a pre-harvest, natural stand	is present and performing well in the pre-existing mature overstorey or adjacent
a	productive, reliable, and feasible regeneration option	51 restricted to areas with proven PI performance	mature overstorey of similar site series, slope, aspect and elevation and
b	limited in productivity, reliability and/or feasibility	52 restricted to sheltered microsites with deep soil	is >25% of the overstorey.
	"Diamonlimatic unit" or "DCC classification" magne	53 minor component	Spruce may be considered "preferred" in the ESSFdm on moister sites where
	"Biogeoclimatic unit" or "BGC classification" means	54 risk of unsuccessful release of advance regeneration	it is present and is performing well as planted or natural regeneration on similar
	the zone, subzone, variant and site series described	55 acceptable in sx-sm portion of site series	sites in adjacent immature stands that are >15 years old, and it constitutes >25% of the stand based on the silviculture label.
	in the most recent field guide published by the Ministry	# Localized Footnotes	
	of Forests for the identification and interpretation of	56 Footnotes 56 and 59 to 68 do not apply	Spruce may be considered "preferred" in the ESSFdm on moister sites where
	ecosystems, as applicable to a harvested area.	to the Rocky Mountain Forest District	a significant forest health issue for other preferred species has been identified and described in the Site Plan.
	"MIN or "Min" means minimum.	57 Pw rust-resistant stock may be preferred to a max 50% of preferred	On moister sites where there is 10-25% Se in the pre-harvest stand, Se may
	"MAX or Max" means maximum	and acceptable well-spaced stems.	count towards a maximum of 25% of the total well spaced preferred stems.
	WAX OF WAX THEATS HAXIIIUH	58 Fd, Bg limited to a max 50% of preferred and acceptable well-spaced	Acceptable performance is indicated by good form and vigour, with minimum
#	Footnote	stems due to root rot.	evidence of damage and relatively disease free.
1	elevated microsites are preferred	69 Species is restricted to upper elevations when used in the southern	Appropriate documentation for stand composition and vigour includes:
2	suitable on thick forest floors	portion of the biogeoclimatic unit.	cruise compilations, silviculture surveys on older established stands, professional
3	restricted to coarse-textured soils	70 Can be considered as "preferred species" on sites where low risk of	site assessments and pre-harvest silviculture data.
4	restricted to coarse-textured soils	snow damage is expected.	Lower elevation is defined as below 1575 metres on cool aspects and below
5	footnote retired	71 Can be considered as "preferred species" on sites where Armillaria is	1650 metres on warm aspects.
	restricted to nutrient-very-poor sites	a serious concern.	77 May be considered as "preferred species" above 1800 metres.
7	restricted to nutrient-welly-pool sites	72 Can be considered as "preferred species" on frost prone sites	may 22 continuored do protetted openies above 1000 metros.
8	restricted to flottlefit-fliedidff sites	(footnote #1 then applies).	
9	restricted to steep slopes	73 Can be considered as "preferred species" on sites where a low risk of	
10	restricted to southerly aspects	damage from forest health factors (in particular; stem rusts, gall rust,	
11	restricted to florithely aspects restricted to crest slope positions	and Petrova albicapitana) is present.	
	suitable on cold air drainage sites	74 Layer 1 trees may be tallied regardless of spacing providing they meet	
	restricted to upper elevations of biogeoclimatic unit	free-growing damage criteria.	
10	for ESSFdm upper elevation is defined in LMH #20 supplement	75 For the purposes of free growing and regeneration survey standards, minimum	
14	restricted to lower elevations of biogeoclimatic unit	horizontal intertree distance (MITD) is 2.0 m or greater for trees to be considered	
	for ESSFdm lower elevation is defined in LMH #20 supplement	well-spaced. A reduced MITD of 1.7 metres may be used to facilitate selection of	
15	restricted to northern portion of biogeoclimatic unit in region	superior planting microsites when sites have:	
·Ŭ		Dispersed occurrence of standing water	

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		Rocky Mountain Forest District FSP Stocking Standar	rds**
	LIMD Footnotes		
NIA	UWR Footnotes		
N1	Rotational harvest entries using clearcut or light overstorey		
	shelterwood. Manage for timber, ungulate winter range and		
NO	approximately two decades of interim rangeland values per rotation.		
N2	Maintain connectivity of retention forest and OGMA's through managed		
	forest and open forest ecosystems. Provide winter forest cover		
NIO	for ungulates.		
N3	Periodic entries of burning, thinning and partial cutting to maintain		
	open forest conditions and rangeland values.		
N4	Provide connectivity between Open Range areas. Provide ungulate		
NIC	travel corridors between winter range and winter forest cover.		
N5	Periodic harvesting, prescribed burning and/or thinning to maintain		
	open range condition, enhancing existing or potential bunchgrass sites		
N6	Maintain connectivity of rangelands.		
N7	Inventory and periodic burns.		
U8	As stated on the UWR Order; the stocking range is 76-400 trees per		
<u> </u>	hectare which must include 20-50 trees of the largest 1/3 of		
110	existing diameter range.		
U9	As stated on the UWR Order; the stocking range is 5-75 trees/hectare		
	which must include 5-20 trees of the largest 1/3 of the existing		
	diameter range.		
U10	KBLUP assumes at the landscape level Open Forest will contribute		
	50% of maximum timber benefits and 50% of maximum forage		
	benefits and that Open Range contributes 10% timber benefits		
	and 90% forage benefits. Targets of 250 stems/hectare for Open		
	Forest and 20 stems/hectare for Open Range approximate the		
	50% and 10% timber contribution. It is recognized that to accomplish		
	UWR forage objectives and subject to footnote U14, the range		
	of stocking may vary for Open Forest from 76 to 400 stems/ha and		
	that Open Range may vary from 0 to 75 stems/ha.		
N11	10% max.		
N12	40% max.		
N13	80% max.		
U14	FSP Max Density Standards and Section 8 of UWR Orders U-4-006,		
	U-4-008 are used where applicable.		
U15	IDFdm2 07 is not in UWR order. (In UWR objectives it is expected		
	to be managed as Riparian Area.)		
U16	PPdh2 04 is Open Forest in the UWR order but is not considered		
	part of timber harvesting base, no standard is applied.		
U17	Standard applies only where Fd is the leading species.		
U18	Applies>1000 metres except in LUs 132, 135, and 138 where normal		
	Managed Forest standards apply.		
U19	Applies<1000 metres except in LUs 132, 135, and 138 where normal		
	Managed Forest standards apply.		
U20	These stocking standards do not over-ride the stand structure and		
	forest cover requirements contained in the Ungulate Winter Range		
	Orders for the Cranbrook and Invermere TSAs. Refer to these		
	documents when designingand harvesting UWR/NDT4 openings.		
1			

** includes NDT4/UWR Standards 2 of 2 Sept 19, 2006