AMENDMENT # 1
WOODLOT LICENCE PLAN #1

WOODLOT LICENCE # W1640

2017 to 2027

John and Irene Ross

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[Signature]

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[Date]

J. L Ross

APRIL 13 2023

This woodlot licence plan (WLP) amendment replaces the existing stocking standards with alternative stocking standards that are intended to provide the licensee greater ability to manage for biotic and abiotic forest health challenges. Recent surveys have shown that while stocking density is good, elk browse and growing season water deficit on dry sites have resulted in slower growth and challenges in meeting the minimum free growing height requirements in some blocks.

The WLP for W1640 currently employs the applicable stocking standards from the Reference Guide for Forest Development Stocking standards, which have an 11 year late free growing date (except for the CWHxm site series 06, which is 14 years). The nineteen alternative stocking standards proposed in this amendment have 20 year late free growing dates and include standards designed to manage for root rot affected areas within the woodlot. The 20 year late free growing date is consistent with the standards for major licensees (FPPR S.44(1)(b)) and with other woodlots in the Campbell River Natural Resource District. The standards for root rot infected areas provide an alternative to destumping in areas where this treatment may not be suitable or desirable (e.g. steeper slopes, sensitive soils, riparian management areas). Footnote 3 from the previous alternative stocking standards table has been removed as per the 2018 root disease management best practises. The maximum stocking density has also been removed as per the guidance of the Chief Forester in a memo released June 15th, 2022.

Other than the inclusion of alternative stocking standards, there are no other changes or amendments to the plan content.

Upon approval by the District Manager, this woodlot licence plan amendment will become an integral part of the woodlot licence plan and shall be attached thereto.

The particular amendments are as follows.

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- Replace the existing Appendix 1-A: Stocking Standards for Clearcut Silvicultural Systems with the attached even aged stocking standards (Table A) and associated foot notes.

RPF Signature and Seal

Erik Holbek, RPF

Table: A

ADMINISTRATION				
Vancouver Forest Region	**Campbell River Forest District**	**Licensee: John and Irene Ross**	**Woodlot Licence #W1640**	**March 22, 2023**

ID #	BEC		Preferred Species						Acceptable Species								Stocking (w/s)			Min Inter Tree Dist (m)	Regen Delay	FG Date	Tree Ht > Brush (min %)	Comments:
	Zone & variant	Site Series	1	Ht (min)	2	Ht (min)	3	Ht (min)	1	Ht (min)	2	Ht (min)	3	Ht (min)	4	Ht (min)	Target P&A (sph)	Min P&A (sph)	Min P (sph)	MITD (m)	Max (yrs)	Late (yrs)		
	CWHxm	01/04	Fd	3.0					Pw[4]	2.5	Hw[7]	2.0	Cw	1.5	Lw[7]	1.5	900	500	400	2.0	3	20	150	None – Zonal site
	CWHxm	02	Fd	2.0					Pl	1.25	Pw[4]	2.5					400	200	200	2.0	3	20	150	Avoid logging – xeric site, shallow soils
	CWHxm	03	Fd	2.0					Cw	1.0	Pw[4]	2.5	Pl[5]	1.25	Lw[7]	1.5	800	400	400	2.0	3	20	150	None
	CWHxm	05/07	Cw	2.0	Fd	4.0			Bg	3.5	Pw[4]	2.5					900	500	400	2.0	3	20	150	None
	CWHxm	06	Fd	3.0	Cw	1.5	Hw	2.0	Pw[4]	2.5							900	500	400	2.0	6	20	150	None
	CWHxm	10	Act	4.0	Dr[3]	4.0	Mb[3]	4.0									800	400	400	1.5	3	20	150	Floodplain - low bench
	CWHxm	11[1]	Cw	1.0					Pl[1]	1.25							400	200	200	1.5	3	20	150	Avoid logging – wet and very poor
	CWHxm	12[1]	Cw	1.0					Hw[3]	1.5	Pw[4]	2.5	Ss[6]	1.5			800	400	400	1.5	3	20	150	Organic soils - avoid ground based equipment
	CWHxm	13/14[1,2]	Bg	3.5	Cw	2.0	Fd[1]	4.0	Ss[6, 8]	1.5							900	500	400	1.5	3	20	150	Fluctuating water table
	CWHxm	15[1,2]	Cw	2.0					Ss[6, 8]	1.5							800	400	400	1.5	3	20	150	Fluctuating water table
	CWHxm	01/06	Dr[3]	3.0	Mb	3.0											1200	1000	800	1.5	3	20	150	High density deciduous management
	CWHxm	05/07/08/ 09[1]/12/13/ 14[1,2]/15[1,2]	Act	4.0	Dr[3]	4.0	Mb	4.0									1200	1000	800	1.5	3	20	150	High density deciduous management
	CWHxm	01/04/06	Cw	1.5	Pw[4]	2.5			Fd	3.0	Hw[7]	2.0					900	500	400	2.0	3	20	150	Alternate species root rot treatment
	CWHxm	02	Pw[4]	2.5	Pl[5]	1.25			Fd	2.0							400	200	200	2.0	3	20	150	Avoid logging – xeric site, shallow soils
	CWHxm	03	Cw	1.0	Pw[4]	2.5	Pl[5]	1.25	Fd	2.0	Lw[7]	1.5					800	400	400	2.0	3	20	150	Alternate species root rot treatment
	CWHxm	05/07	Cw	2.0	Pw[4]	2.5			Fd	4.0	Bg	3.5					900	500	400	2.0	3	20	150	Alternate species root rot treatment
	CWHxm	11	Cw	1.0					Pl[5]	1.25							400	200	200	1.5	3	20	150	Alternate species root rot treatment
	CWHxm	12	Cw	1.0	Pw[4]	2.5			Hw	1.5	Ss[6]	1.5					800	400	400	1.5	3	20	150	Alternate species root rot treatment
	CWHxm	13/14[2]	Cw	2.0					Bg[3]	3.5	Fd	4.0	Ss[6,8]	1.5			900	500	400	1.5	3	20	150	Alternate species root rot treatment

Foot Notes

1 Elevated micro-sites are preferred

2 These sites represent areas with strongly fluctuating water tables. They are often found as mosaics in combination with other sites. Elevated microsites are preferred, either mechanical or natural

3 Avoid gleyed soils and frost pockets

4 Pw must be free of blister rust within 10 cm of the stem and be pruned as per Ministry guidelines or be blister rust resistant stock (≥ 50% resistance). Pw may occupy 5% on all sites except sites 04 & 05 where 20% will be the upper limit of the Free-Growing composition. When used for root rot treatment no limit on percent composition is set.

5 Restricted to nutrient-very-poor sites

6 Risk of weevil damage, use resistant stock where possible. Ss will not exceed 20% of the free growing stand on site series or 5% of the free growing stand on 13, 14, & 15 site series on a dispersed basis. Clumps not to exceed 0.1ha in size.

7 Hw is not acceptable on-site series 04. Larch (Lw) will be used as an alternative species in W1640 in site series 03 and 04 only with approval from CRFD as more field data becomes available or as MOFR policy provides clearance.

8 May be planted on prepared mounds