

# Vancouver Island University Log Scale Summary Specifications

SPECIES	GRADE	SORT	LENGTH [M]	RAD [r]	%CUT PRODUCT	%CUT QUAL	KNOT GRD RAD [r]	KNOT RAD [r]	RING PER RAD	SPIRAL GRAIN [% : r]	Occ. Larger Knot 1 per 3m length, UNLESS Grade X ≥ 25r; allow 2 per 3m
FIR & PINE	D	LBR	≥5m	≥38r	75 ML	50 C	n/a	90% clear	6	4%: 3r max	<b>Species Codes</b> Douglas Fir = FI Lodgep. Pine = LO White Pine = WH Red Cedar = CE Yellow Cedar = CY Spruce = SP Hemlock = HE Balsam = BA Alder = AL Birch = BI
FIR & PINE	F	LBR	≥5m	≥30r	75 ML	25 C	30-37 ≥38	75% clear 75% 1sd or 50 2sd	6	4%: 3r max	
FIR & PINE	B	PLR	≥5.2m	≥30r	80 Vnr	n/a	30-37 ≥38	1 clr butt blk knt butt ind blk	6	7%: 4r max	
FIR & PINE	C	PLR	≥5.2m	≥19r	80 Vnr	n/a	n/a	2r max	6	7%: 4r max	
FIR & PINE	H	SAW	≥5m	≥19r	75 L	50 M	≥19	2r reas. well spc. or 2.5 on top ½	5	7%: 4r max	
FIR & PINE	I	SAW	≥3.8m	≥19r	75 L	50 M	≥19 to 24	4r knt dia.		10% : 4.5r max (ungrd spec)	
FIR & PINE	I o/w H	SAW	≥3.8m	≥25r	50 L	50 M	24	4.5r knt dia.		10% : 1.8r max (ungrd spec)	
FIR & PINE	J	SAW	≥5m	≥8-18r	75 L	50 M	8-13 14-18	2r 3r		10% : 1.8r max (ungrd spec)	
FIR & PINE	U	UTL	≥5m	≥5-7r	75 L	35 M	5-7	2r		13% : 6.5r max	
FIR & PINE	U	UTL	≥5m	≥8-18r	66.6 L	35 M	8-13 14-18	3r 4r			
FIR & PINE	U	UTL	≥3.8m	≥19+r	50 L	35 M	19-24 25-37 38+	5r 6r 7r			
FIR & PINE	X	UTL	≥3m	≥5r	33.3 L	35 M	5-24 25+	same as fir U ----->		13% : 6.5r max 2 OLK per 3m	
FIR & PINE	Y	PULP	n/a	n/a	>X-UTL <Z-FRJ						
FIR & PINE	Z	REJ	<50% SMD collar or <1.2m or <5r aft.deduct, or part log <5r or slab <5r thick								butt rot in fir peelers <8.0m.....none allowed 8.0-10.4m.....1/3butt meas. r ≥10.4m.....1/2 butt meas. r off-ctr ht-pit max 10% top diam. Only
CEDAR	D	LBR	≥5m	≥30r ≥60r	75 ML 66.6 ML	50 C	30-37 38+	75% clear 66.6% side1 33.3% side2		4%: 3r max	<b>Peeler Crook &amp; Pistol Butt</b> <8.0m.....no loss allowed ≥8.0 <10.4m.....up to 1.2m consid. ≥10.4m.....up to 2.0m consid. SWEEP space same except <8.0m.....up to 0.6m consid.
CEDAR	F	LBR	≥5m	≥25r	75 ML	25 C	25-29 30-37 38+	100% clear 66.6% clear 75% side1 50% side2		4%: 3r max	
CEDAR	H	SAW	≥5m	≥19r	75 L	65 M	≥19 ≥25	2r reas. well spc. or 2.5 on top ½ 2.5 on top ¾ or 4 on top		7%: 4r max	
CEDAR	I	SAW	≥3.8m ≥9.8m	≥19r ≥19r	75 L 50 L	50 M 50 M	≥19 to 24 25 to 37	4r knt dia. 5r knt dia. same as above		10% : 4.5r max (ungrd spec)	
CEDAR	I o/w H	SAW	≥9.8m	≥25r	50 - 74 L	65 M					
CEDAR	J	SAW	≥5m	≥8-18r	75 L	50 M	8-13 14-18	2r 3r		10% : 1.8r max (ungrd spec)	
CEDAR	K	SHG	≥3.8m	≥25r	50 SS	75 C	25-29 ≥30	100% clear 90% clear		4%: 3r max	
CEDAR	L	SHG	≥3.8m	≥19r	50 SS	50 C	n/a	50% clear		7%: 4r max	
CEDAR	M	SHG	≥3.8m	≥19r	50 SS	25 C	n/a	25% clear or spacing		7%: 4r max	
CEDAR	U & X	UTL					see Fir/Pine specs			13% : 6.5r max	
CEDAR	Y & Z	PULP					see Fir/Pine specs			13% : 6.5r max	

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SPECIES	GRADE	SORT	LENGTH [M]	RAD [r]	% CUT PRODUCT	% CUT QUAL	KNOT GRD RAD [r]	KNOT RAD [r]	RING PER RAD	SPIRAL GRAIN [% : r]	Butt Rod Guide	
SPRUCE	D	LBR	≥4m	≥50r	75 ML	50 C	50-59 ≥60	90% clear 80% clear	12	4% : 3r max	RATIO	
SPRUCE	E	LBR	≥4m	≥38r	75 ML	25 C	38-49 50+ OR	75% clear 75% side1 50% bth sides	12	4% : 3r max	LNKTH	
SPRUCE	F	LBR	≥4m	≥38r	75 ML	50 C	n/a	90% clear 75% clear	6	4% : 3r max	LNKTH/DECT	
SPRUCE	G	LBR	4≈m	≥30r	75 ML	25 C	30-37 38-49 ≥50	75% clear 75% side1 or 50%bthside or 75%shpgrd 50% shpard	6	4% : 3r max	GRD/DECT	
SPRUCE	H H o/w DEFG	SAW	≥4m	≥19r	75 L 50 - 74 ML	65 M 25 C	see Fir H	same as Fir H	5	7% : 4r max	Ratio/diam rot to recorded butt *less for Fir & Spruce	
SPRUCE	I I o/w H	SAW	≥4m	≥19r ≥25r ≥50r ≥19-24r	75 L 50 L 50 L 50-74 L	50 M 50 M 50 M 65 M	see Fir I see Fir I see Fir I see Fir I	same as Fir I same as Fir I 6.5r knot max same as Fir I		10% : 4.5r max (ungrd spec)	1.4 dia 1.2 dia 3.4 dia 4.4 dia	
SPRUCE	J	SAW	≥4m	≥8-18r/O/W	75 L	50 M	8-13 14-18	2r 3r		10% : 1.8r max (ungrd spec)	1.8-2.4m 3.6-4.2m 5.4-6.0m 7.2m	
SPRUCE	U & X	UTL	see Fir/Pine specs					if >50r knots to 8r			13% : 6.5r max	2.4m* 4.2m*
SPRUCE	Y & Z	PULP	see Fir/Pine specs									
HEM/BAL	D	LBR	≥5m	≥33r	75 ML	50 C	33-37 38+	90% clear 80% clear 75% clear	6	4% : 3r max	Cedar Slabs	
HEM/BAL	F	LBR	≥5m	≥25r	75 ML	25 C	25-32 33+ OR	75% side1 or 50 bth side	6	4% : 3r max	Thickness Min/Max	
HEM/BAL	H H - o/w D, F	SAW	≥5m	≥19r ≥25r	75 L 50-74 L	65 M 25 C	see fir H	see fir H	5	7% : 4r max	D,F,K	
HEM/BAL	I I - o/w H	SAW	≥3.8m ≥5m	≥19r	75 L 50-74 L	50 M 65 M	see Fir I	see Fir I		10% : 4.5r max (ungrd spec)	19r 25r	
HEM/BAL	J	SAW	see Fir/Pine specs								10% : 1.8r max (ungr spec)	Grade
HEM/BAL	U & X	UTL	see Fir/Pine specs								13% : 6.5r max	H, L, M, U, X
HEM/BAL	Y & Z	PULP	see Fir/Pine specs									19r, 13r, 8r, 5r
CYPRESS	D	LBR	≥4m	≥30r	75 ML	50 C	30-37 38+	75% clear 66.6% 1sd 33.3% 2sd		4% : 3r max		
CYPRESS	F	LBR	≥4m	≥25r	75 ML	25 C	25-29 30+	75% clear 75% 1sd 50% 2sd		4% : 3r max		
CYPRESS	F o/w D	LBR	≥6.2m	≥30r	50-74 ML	50 C	25-29 30+	75% clear 75% 1sd 50% 2sd				
CYPRESS	H	SAW	≥4m	≥19r	50 L	65 M	see Fir H	see Fir H		7% : 4r max		
CYPRESS	I	SAW	≥4m	≥19r	50 L	50 M	see Fir I	see Fir I		10% : 4.5r max (ungr spec)		
CYPRESS	J	SAW	≥4m	≥8-18r	75 L	50 M	see Fir J	see Fir J		10% : 1.8r max (ungr spec)		
CYPRESS	U & X	UTL	see Fir/Pine specs								13% : 6.5r max	
CYPRESS	Y & Z	CHP	see Fir/Pine specs									
alder, birch, cottonwood, maple, yew	W	SAW	2.6m	5r	50 L	n/a	5-7 8-13 14-18 19-24 25-37	4 6 8 10 12		Species codes: Al / Bi / Co / Ma / Uu	Class/Abbrev: LBR-Lumber FLR-Flaker SAW-Saw UTL-Utility PULP- FLK-Chipper FEJ-Flaid SFD-Striples	
	Y & Z	PULP	see Fir/Pine specs									