

**Table 3-9 Log culvert stringer sizing table--log diameters are mid-diameters in millimeters**

<b>SPAN</b> (meters)	<b>TOTAL</b> <b>FILL</b> <b>DEPTH</b> (meters)	<b>L75</b> <b>D. Fir</b>	<b>L75</b> <b>Other</b>	<b>L100</b> <b>D. Fir</b>	<b>L100</b> <b>Other</b>	<b>L165</b> <b>D. Fir</b>	<b>L165</b> <b>Other</b>
1.5	0.3	250	275	250	325	350	450
	1.0	250	225	225	250	250	300
	2.0	250	250	250	250	250	275
3.0	0.3	375	475	400	475	650	800
	1.0	275	300	275	325	350	400
	2.0	275	325	300	350	375	450
4.5	0.3	500	625	575	675	700	825
	1.0	350	425	375	475	500	600
	2.0	400	475	425	475	525	625
5.9	0.3	600	725	650	775	800	950
	1.0	450	550	500	575	600	750
	2.0	500	625	525	650	625	825

Notes Table 3-9:

1. Other refers to cedar, spruce, lodgepole pine, Jack pine, and hemlock.
2. Sizes are based on sound logs, with no allowance for decay.
3. Logs should be free of cracks, excessive taper, sweep, damage, or large knots.
4. Reverse the taper of adjacent logs.
5. Spans over 3 m should be lashed at mid-span.
6. Logging truck axle loads in accordance with B.C. Ministry of Forests, Lands and Natural Resource Operations standards.
7. Axle loads allow for unbalanced 60%-40% wheel loading.
8. Ensure that fill depths greater than 2 metres are designed by a Professional Engineer or designed from tables prepared by a Professional Engineer.