Appendix F - Snag volume functions

Snag volumes were estimated based on regression relationships derived from provincial inventory data (Townsend 2004). A cubic model was used to estimate individual snag volume based on diameter for both softwoods and hardwoods. Snag tree volume data were then combined with FEC prism plot data to estimate snag volumes on a per hectare basis.

Function:

Y = b0 + (b1 x dbh) + (b2 x dbh2) + (b3 x dbh3).

Where:

Y= total snag tree volume dbh = snag tree diameter at 1.3 m b0 = constant b1, b2, b3 = coefficients

Softwood Results:	Hardwood Results:
b0 = 0.043	b0 = -0.018
b1 = - 0.010	b1 = - 0.000
b2 = 0.001	b2 = 0.000
b3 = -5.239 E-6	b3 = -9.805 E-7
r2 = 0.799	r2 = 0.813