

Table 16.1a. Relative standard errors (%) of total tree volume by species group, age class and terrestrial ecozone in Canada.

Terrestrial ecozone	Species group	Age (years)											
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+	Other ^d
Taiga Plains	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Birch	20.1	25.7	23.0	17.9	20.4	38.9	39.5	56.7	53.2	0.0	89.9	0.0
	Poplar	24.6	17.1	17.2	14.2	7.8	16.6	20.4	27.6	55.7	74.6	0.0	0.0
	Larch	35.0	20.1	20.4	14.7	15.9	16.4	29.8	45.1	46.6	58.5	66.2	0.0
	Fir	0.0	100.0	73.4	75.0	74.5	91.4	100.0	0.0	0.0	0.0	0.0	0.0
	Pine	22.2	14.5	16.8	18.2	16.9	32.9	27.3	41.7	88.1	100.0	100.0	0.0
	Spruce	25.4	13.0	10.1	7.3	7.5	2.9	9.9	14.2	18.9	40.0	36.7	0.0
Taiga Shield	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	0.0	0.0	100.0	51.9	27.9	25.2	94.7	0.0	0.0	0.0	0.0	0.0
	Maple	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Birch	24.5	27.1	27.4	30.1	34.1	26.1	100.1	0.0	0.0	0.0	0.0	0.0
	Poplar	32.7	25.4	46.7	30.8	54.5	8.5	78.8	0.0	0.0	0.0	0.0	0.0
	Unspecified conifers	0.0	0.0	100.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Larch	33.5	19.7	10.7	19.8	32.2	28.2	55.8	45.1	50.7	63.1	60.1	0.0
	Fir	100.0	46.2	66.0	40.7	34.5	61.5	13.6	49.7	85.8	0.0	0.0	0.0
	Pine	18.0	14.0	16.9	15.7	26.1	40.0	37.1	100.0	0.0	0.0	0.0	0.0
Spruce	31.8	11.3	8.1	9.1	6.6	5.2	3.2	4.6	34.2	60.2	20.5	0.0	
Boreal Shield	Unclassified	54.6	28.4	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Unspecified hardwoods	9.4	15.0	27.5	45.8	28.9	100.0	99.5	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	33.0	20.4	15.0	15.0	18.2	31.3	43.8	48.3	86.3	0.0	0.0	0.0
	Maple	29.9	13.2	8.9	10.1	8.8	17.1	35.4	42.1	85.4	0.0	0.0	0.0
	Birch	9.2	6.2	5.7	6.0	6.3	15.0	17.6	48.2	74.7	68.0	0.0	0.0
	Poplar	7.9	5.9	5.1	5.5	5.9	16.2	25.5	34.3	0.0	70.9	100.0	0.0
	Unspecified conifers	7.9	8.9	22.7	35.5	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Cedar & other conifers	77.8	34.3	17.3	16.9	12.9	17.2	19.8	35.4	56.0	0.0	0.0	0.0
	Larch	18.2	10.0	9.7	9.1	13.1	12.3	17.2	21.9	66.8	83.5	0.0	0.0
	Hemlock	0.0	84.0	34.3	31.7	20.0	58.4	38.3	100.0	100.0	0.0	0.0	0.0
	Fir	14.2	6.7	5.9	6.7	5.3	15.5	12.9	36.1	46.6	64.1	89.3	0.0
	Pine	7.4	5.2	5.6	5.7	6.2	12.5	15.7	32.6	68.8	100.0	0.0	0.0
	Spruce	9.8	5.1	3.5	3.1	2.7	4.5	3.7	9.8	19.9	37.4	65.0	0.0
Atlantic Maritime	Unclassified	37.3	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Unspecified hardwoods	13.5	17.8	30.9	61.4	47.9	99.9	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	27.0	14.5	51.8	37.8	48.1	98.6	0.0	0.0	0.0	0.0	0.0	0.0
	Maple	17.9	11.8	9.2	7.5	9.7	17.9	36.8	84.3	100.0	0.0	100.0	0.0
	Birch	16.8	12.9	12.8	13.2	14.4	22.1	100.0	0.0	0.0	0.0	0.0	0.0
	Poplar	16.6	13.0	11.5	11.0	19.9	29.4	0.0	100.0	0.0	0.0	0.0	0.0
	Unspecified conifers	14.6	13.2	22.1	43.0	40.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Cedar & other conifers	45.3	34.4	23.6	21.5	15.3	19.7	32.3	79.5	0.0	0.0	0.0	0.0
	Larch	37.0	22.9	16.9	21.6	29.1	54.0	100.0	0.0	0.0	0.0	0.0	0.0
	Hemlock	99.9	100.0	47.4	35.5	41.9	73.3	100.3	98.6	0.0	0.0	0.0	0.0
	Fir	14.5	7.8	6.6	8.3	12.4	17.5	40.6	40.3	0.0	0.0	0.0	0.0
	Pine	40.7	24.3	27.3	24.7	22.7	45.4	48.1	0.0	0.0	0.0	0.0	0.0
	Spruce	13.1	9.4	7.2	6.1	8.2	13.4	34.4	41.7	100.0	98.6	0.0	0.0
Other	Unclassified	63.3	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Unspecified hardwoods	26.9	23.8	30.5	59.6	39.5	100.2	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	37.6	17.0	14.4	12.9	18.3	34.8	61.3	0.0	0.0	0.0	0.0	0.0
	Maple	38.0	15.0	11.1	10.6	13.9	26.6	46.1	57.1	100.0	0.0	0.0	0.0
	Birch	38.8	22.6	20.0	40.2	71.1	75.9	100.0	0.0	0.0	0.0	0.0	0.0
	Poplar	27.4	19.8	12.2	22.2	35.4	58.1	100.0	0.0	0.0	0.0	0.0	0.0
	Unspecified conifers	39.5	38.3	44.4	88.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Mixedwood Plains Ecozone	Species group	Age (years)											
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+	Other ¹
Mixedwood Plains	Cedar & other conifers	84.5	26.8	17.4	16.8	25.0	34.9	48.8	70.9	0.0	0.0	0.0	0.0
	Larch	67.4	41.6	40.6	47.8	49.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Hemlock	0.0	0.0	45.9	67.4	32.7	66.6	0.0	0.0	0.0	0.0	0.0	0.0
	Fir	59.8	37.4	27.3	38.7	77.7	82.9	100.0	0.0	0.0	0.0	0.0	0.0
	Pine	67.3	22.1	20.6	24.3	43.1	80.2	70.9	100.0	0.0	0.0	0.0	0.0
	Spruce	51.9	23.7	20.6	29.3	47.6	0.0	86.0	0.0	0.0	0.0	0.0	0.0
	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Unspecified hardwoods	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	87.5	38.4	49.0	89.6	0.0	100.0	0.0	0.0	100.0	0.0	0.0	0.0
	Maple	100.0	43.7	90.8	50.9	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Boreal Plains	Birch	25.7	19.6	16.0	16.1	26.9	47.5	49.4	87.7	0.0	0.0	0.0	0.0
	Poplar	9.9	7.2	7.9	5.2	6.2	7.9	12.0	25.5	45.3	70.8	0.0	0.0
	Cedar & other conifers	87.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Larch	53.3	14.3	10.9	9.1	8.9	10.8	12.5	18.1	32.3	44.1	72.8	0.0
	Fir	100.0	48.6	34.1	47.2	59.5	47.0	68.8	95.8	100.0	100.0	85.2	0.0
	Pine	15.0	10.3	12.7	10.7	10.8	12.4	17.8	22.3	40.4	100.0	100.0	0.0
	Spruce	20.0	8.5	6.5	5.1	6.1	5.4	6.4	10.4	15.5	40.3	37.1	0.0
	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	77.8	70.9	99.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Maple	33.9	43.8	78.2	98.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Prairies	Birch	50.0	44.0	80.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Poplar	14.4	10.8	20.5	27.8	52.9	81.6	0.0	100.0	0.0	0.0	0.0	0.0
	Larch	0.0	58.1	100.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Douglas-fir	0.0	0.0	100.0	100.0	100.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Fir	100.0	100.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pine	80.4	96.5	77.8	43.6	60.7	100.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spruce	79.1	91.3	54.3	46.0	74.0	72.2	100.0	96.1	0.0	0.0	0.0	0.0
	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Birch	65.5	75.3	65.7	73.6	15.9	67.9	0.0	0.0	0.0	0.0	0.0	0.0
	Poplar	99.9	84.7	52.7	67.0	71.8	78.6	100.0	0.0	0.0	0.0	0.0	0.0
Taiga Cordillera	Larch	99.9	40.5	41.2	85.1	75.7	89.8	94.5	76.7	99.9	0.0	0.0	0.0
	Fir	0.0	100.0	50.3	35.7	37.2	35.1	35.3	51.5	99.2	0.0	0.0	0.0
	Pine	0.0	99.9	100.0	64.0	67.7	77.8	100.0	0.0	0.0	0.0	0.0	0.0
	Spruce	73.2	41.3	20.8	18.5	21.5	21.8	6.5	39.9	53.3	100.0	0.0	0.0
	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Birch	78.1	40.7	28.6	41.6	47.4	47.5	83.1	46.4	70.6	0.0	0.0	0.0
	Poplar	37.4	27.2	21.3	25.6	16.2	22.9	52.4	60.1	37.8	100.0	58.7	0.0
Boreal Cordillera	Larch	97.9	43.1	56.0	29.3	40.6	40.1	35.9	56.1	0.0	0.0	0.0	0.0
	Fir	86.1	39.5	27.6	49.5	16.3	18.4	18.6	17.7	21.5	32.4	17.3	0.0
	Pine	44.7	31.7	20.7	23.4	15.5	14.4	15.7	22.2	24.2	59.7	32.6	0.0
	Spruce	37.5	21.9	20.0	17.3	10.0	8.6	9.7	11.0	14.9	25.3	12.9	0.0
	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Unspecified hardwoods	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	75.0	43.5	23.2	27.8	38.4	47.4	82.7	100.2	100.0	100.0	55.4	0.0
Pacific Maritime	Maple	0.0	48.0	65.1	40.8	84.9	99.2	100.0	0.0	0.0	0.0	85.6	0.0
	Birch	86.8	58.2	81.8	70.0	55.7	52.5	79.5	99.6	0.0	0.0	100.0	0.0
	Poplar	0.0	66.6	41.0	58.0	39.4	44.3	43.0	46.2	63.1	53.9	66.7	0.0
	Cedar & other conifers	31.7	31.0	43.4	41.7	37.5	37.7	36.0	47.8	30.6	25.5	9.1	0.0
	Douglas-fir	33.7	35.0	24.9	25.1	26.6	28.0	40.3	34.5	41.2	36.7	28.4	0.0
	Hemlock	23.8	17.3	17.4	23.4	23.4	21.2	17.8	30.5	19.4	20.0	6.6	0.0
	Fir	33.2	27.2	36.6	42.1	29.7	40.8	49.0	28.3	34.6	33.8	11.4	0.0

Terrestrial ecozone	Species group	Age (years)											
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+	Other ¹
Montane Cordillera	Pine	100.0	66.9	60.7	40.9	51.8	42.9	51.6	86.1	86.1	42.2	27.8	0.0
	Spruce	0.0	49.5	56.0	66.8	47.8	46.4	52.9	51.1	47.2	51.0	20.4	0.0
	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	0.0	0.0	74.0	0.0	0.0	0.0	0.0	99.9	0.0	99.9	0.0	0.0
	Birch	56.1	44.5	49.7	29.1	28.2	34.6	32.5	49.2	78.4	94.1	100.0	0.0
	Poplar	27.2	25.0	24.5	18.5	16.2	28.8	16.4	27.8	39.5	60.7	46.2	0.0
	Cedar & other conifers	35.9	48.2	38.7	37.0	35.5	37.9	41.6	31.1	48.1	38.5	20.9	0.0
	Larch	50.3	47.6	67.6	33.9	26.5	27.8	27.7	38.4	37.9	48.4	30.0	0.0
	Douglas-fir	41.0	24.5	20.2	16.0	14.6	12.0	11.2	13.3	14.9	19.0	12.5	0.0
	Hemlock	58.4	45.1	45.7	49.3	31.7	32.3	31.2	29.3	31.5	43.4	16.9	0.0
	Fir	28.4	33.3	21.9	19.6	16.5	14.8	10.5	11.6	12.7	11.8	8.6	0.0
Pine	28.7	10.9	19.1	11.7	8.9	8.4	8.4	11.1	18.5	17.2	14.5	0.0	
Spruce	41.5	20.1	21.3	15.0	11.4	10.1	9.8	8.9	10.4	10.9	7.8	0.0	
Hudson Plains	Unclassified	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	0.0	100.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
	Birch	49.8	64.5	72.0	77.6	100.0	60.6	0.0	0.0	0.0	0.0	0.0	0.0
	Poplar	56.5	55.9	36.6	67.0	45.7	55.1	49.3	0.0	0.0	0.0	0.0	0.0
	Unspecified conifers	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Cedar & other conifers	0.0	0.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	0.0	0.0	0.0
	Larch	58.1	19.0	14.6	24.8	29.7	47.2	31.1	37.2	87.9	100.0	0.0	0.0
	Fir	100.0	36.7	37.4	52.6	100.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0
	Pine	34.9	23.1	28.7	65.6	71.2	55.4	0.0	0.0	0.0	0.0	0.0	0.0
Spruce	47.1	15.2	10.4	11.6	19.0	7.9	7.6	25.6	80.1	100.0	0.0	0.0	
Canada	Unclassified	38.3	22.7	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Unspecified hardwoods	8.1	11.7	17.5	48.3	23.5	65.3	99.5	0.0	0.0	0.0	0.0	0.0
	Other hardwoods	19.7	14.7	12.3	11.1	13.8	23.4	40.1	44.3	73.3	95.4	55.4	0.0
	Maple	14.6	8.1	5.7	6.0	6.4	11.6	26.6	34.1	77.5	0.0	81.3	0.0
	Birch	6.8	5.1	5.1	4.9	5.2	10.7	15.0	27.8	38.6	55.3	62.7	0.0
	Poplar	5.6	3.9	4.1	3.6	3.6	6.1	9.2	15.0	31.4	31.5	34.5	0.0
	Unspecified conifers	6.9	7.4	17.0	31.6	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Cedar & other conifers	29.4	16.5	15.9	13.1	9.9	12.8	16.8	29.9	25.0	22.4	8.4	0.0
	Larch	17.0	6.3	5.7	5.5	7.4	8.3	9.9	14.6	23.1	34.4	27.4	0.0
	Douglas-fir	26.1	25.0	20.5	20.9	13.2	11.4	12.0	12.5	14.6	17.4	13.9	0.0
	Hemlock	23.3	17.0	16.0	20.4	17.8	17.1	14.9	21.7	16.5	23.7	6.1	0.0
	Fir	9.9	4.9	4.3	5.2	4.6	8.1	7.4	9.0	10.5	10.6	6.7	0.0
Pine	5.9	3.8	4.5	4.5	4.7	5.5	6.2	8.8	13.8	17.3	13.1	0.0	
Spruce	7.2	3.6	2.7	2.3	2.1	1.9	2.1	3.4	6.7	9.1	6.0	0.0	

Source: Canada's National Forest Inventory, combined remeasured (2007-2017) and projected (2006-2017 with NFI projection system) data (Version 2, November 2022) (<http://nfi.nfis.org>)

Note: The Arctic ecozones (Arctic Cordillera, Northern Arctic, Southern Arctic), and the Taiga Plains and Hudson Plains ecozones located in Nunavut, are not inventoried. These non-inventoried areas total 262,189.89 thousand ha.

¹ Missing or unknown age class.