

Table 16.1. Total tree volume (million m³) by species group, age class and terrestrial ecozone in Canada.

Terrestrial ecozone	Species group	Age (years)											Total	
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+		Other ¹
Taiga Plains	Spruce	4.57	28.28	89.08	178.11	858.64	2 528.48	146.71	114.52	59.92	13.41	8.83	0.00	4 030.54
	Poplar	11.68	28.70	44.99	246.72	339.42	96.76	114.71	54.58	11.27	1.54	0.00	0.00	950.37
	Pine	6.86	25.07	33.04	63.46	32.86	23.65	31.94	17.93	2.43	0.04	1.22	0.00	238.50
	Birch	7.32	12.09	24.07	27.61	16.80	11.52	8.30	2.58	0.53	0.00	1.07	0.00	111.87
	Larch	1.29	4.60	9.52	13.25	15.43	11.45	7.65	3.87	0.60	0.38	1.45	0.00	69.50
	Fir	0.00	0.34	1.32	0.70	0.99	3.75	<0.01	0.00	0.00	0.00	0.00	0.00	7.10
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	31.72	99.08	202.02	529.84	1 264.14	2 675.61	309.32	193.48	74.75	15.37	12.57	0.00	5 407.89
Taiga Shield	Spruce	3.43	40.32	136.92	153.02	418.81	502.60	1 136.48	414.50	1.81	3.53	52.58	0.00	2 864.00
	Pine	10.01	31.96	26.98	22.98	11.79	1.67	1.41	0.03	0.00	0.00	0.00	0.00	106.83
	Poplar	1.09	4.78	6.11	5.69	2.88	48.02	0.19	0.00	0.00	0.00	0.00	0.00	68.77
	Larch	0.35	4.36	10.66	9.97	9.01	4.47	4.55	3.20	0.25	0.21	0.32	0.00	47.34
	Fir	0.01	0.25	1.58	2.04	0.50	2.29	5.73	1.18	0.30	0.00	0.00	0.00	13.89
	Birch	4.53	3.46	1.78	0.82	1.63	1.17	0.06	0.00	0.00	0.00	0.00	0.00	13.45
	Other hardwoods	0.00	0.00	0.01	0.17	1.92	2.50	0.01	0.00	0.00	0.00	0.00	0.00	4.61
	Unspecified conifers	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
	Maple	0.00	0.00	<0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<0.01
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	19.43	85.13	184.06	194.68	446.53	562.72	1 148.44	418.91	2.37	3.74	52.90	0.00	3 118.91
Boreal Shield	Spruce	41.13	288.52	975.89	1 472.53	1 838.11	988.42	1 204.27	193.68	35.04	5.18	2.32	0.00	7 045.07
	Poplar	75.97	194.04	355.35	533.47	472.65	83.92	16.54	2.31	0.00	2.11	0.76	0.00	1 737.12
	Pine	107.96	335.28	347.94	396.37	308.54	87.95	64.63	15.72	2.08	0.14	0.00	0.00	1 666.61
	Birch	20.84	122.71	251.49	295.83	317.95	77.30	15.99	3.57	0.03	0.95	0.00	0.00	1 106.66
	Fir	17.64	158.10	251.89	148.89	308.38	56.81	57.46	12.77	3.90	0.28	1.17	0.00	1 017.29
	Maple	2.49	31.66	195.93	246.51	292.59	61.55	12.52	3.46	4.17	0.00	0.00	0.00	850.88
	Unspecified conifers	85.55	103.73	22.76	2.37	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	215.16
	Larch	4.20	20.85	41.37	44.49	30.45	24.14	21.39	5.60	0.75	0.18	0.00	0.00	193.44
	Unspecified hardwoods	56.59	23.68	8.65	0.33	7.19	0.10	0.15	0.00	0.00	0.00	0.00	0.00	96.68
	Cedar & other conifers	0.09	1.23	11.06	15.20	31.86	18.13	8.94	3.25	1.73	0.00	0.00	0.00	91.48
	Other hardwoods	0.58	4.22	19.96	23.25	20.63	7.48	1.43	0.87	0.26	0.00	0.00	0.00	78.68
	Hemlock	0.00	0.07	1.93	4.87	13.02	1.73	5.21	0.66	0.12	0.00	0.00	0.00	27.60
	Unclassified	2.53	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54
Subtotal	415.57	1 284.10	2 484.23	3 184.12	3 642.11	1 407.52	1 408.52	241.89	48.08	8.84	4.25	0.00	14 129.22	
Atlantic Maritime	Spruce	16.66	70.81	134.47	179.15	119.16	40.54	8.59	0.74	0.08	0.18	0.00	0.00	570.38
	Fir	18.33	93.06	140.42	170.78	88.81	33.39	2.84	2.33	0.00	0.00	0.00	0.00	549.96
	Maple	11.91	27.05	110.87	169.45	106.21	36.39	1.59	1.69	0.19	0.00	0.04	0.00	465.38
	Birch	7.76	33.16	41.91	48.35	28.65	13.95	0.10	0.00	0.00	0.00	0.00	0.00	173.88
	Poplar	7.23	22.08	44.19	48.82	25.03	5.79	0.00	0.14	0.00	0.00	0.00	0.00	153.27
	Unspecified conifers	28.16	28.70	8.63	5.42	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.47
	Cedar & other conifers	1.80	3.89	4.48	6.81	13.78	16.94	5.92	0.53	0.00	0.00	0.00	0.00	54.15
	Pine	1.79	10.27	8.13	14.44	10.78	7.87	0.53	0.00	0.00	0.00	0.00	0.00	53.81
	Unspecified hardwoods	9.08	6.43	4.02	2.86	0.45	0.07	0.00	0.00	0.00	0.00	0.00	0.00	22.91
	Larch	0.64	3.02	6.93	5.03	2.28	0.34	0.04	0.00	0.00	0.00	0.00	0.00	18.28
	Other hardwoods	1.18	8.50	0.69	1.36	0.62	<0.01	0.00	0.00	0.00	0.00	0.00	0.00	12.35
	Hemlock	0.01	0.51	1.44	2.26	1.42	1.07	0.06	0.03	0.00	0.00	0.00	0.00	6.79
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	104.55	307.45	506.19	654.73	397.74	156.34	19.68	5.46	0.27	0.18	0.04	0.00	2 152.62	
Mixedwood Plains	Maple	1.20	6.45	72.42	65.82	46.22	11.67	1.22	1.12	0.28	0.00	0.00	0.00	206.40
	Other hardwoods	0.23	2.79	16.98	27.59	15.59	0.84	0.84	0.00	0.00	0.00	0.00	0.00	64.84
	Poplar	0.53	8.79	27.85	13.13	4.87	0.97	0.00	0.00	0.00	0.00	0.00	0.00	56.14
	Cedar & other conifers	0.18	5.20	17.35	14.50	5.86	0.53	0.86	0.83	0.00	0.00	0.00	0.00	45.33
	Pine	1.30	8.60	14.33	7.19	1.24	0.61	0.55	0.20	0.00	0.00	0.00	0.00	34.01
	Fir	0.12	1.65	13.72	3.68	0.11	0.49	0.32	0.00	0.00	0.00	0.00	0.00	20.09
	Unspecified hardwoods	1.68	2.23	7.36	0.52	1.70	0.22	0.00	0.00	0.00	0.00	0.00	0.00	13.72
	Birch	0.74	4.64	3.69	1.11	1.23	0.17	0.00	0.00	0.00	0.00	0.00	0.00	11.58
	Spruce	0.46	1.95	3.82	2.81	0.70	0.00	0.05	0.00	0.00	0.00	0.00	0.00	9.79
	Hemlock	0.00	0.00	0.79	2.01	2.92	0.71	0.00	0.00	0.00	0.00	0.00	0.00	6.42
	Larch	0.10	0.73	4.65	0.40	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35
	Unspecified conifers	1.64	1.72	0.51	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.91
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	8.20	44.76	183.46	138.80	80.87	16.22	3.84	2.15	0.28	0.00	0.00	0.00	478.58	
Poplar	91.12	212.82	362.84	1 022.45	732.05	416.41	166.15	35.37	4.31	0.25	0.00	0.00	3 043.77	
Spruce	21.35	77.91	249.40	699.80	582.46	509.80	324.52	184.21	66.26	16.40	17.68	0.00	2 749.77	

Terrestrial ecozone	Species group	Age (years)											Total	
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+		Other ¹
Boreal Plains	Pine	33.00	98.06	89.44	260.73	165.95	173.80	120.33	36.55	23.00	0.04	0.12	0.00	1 001.02
	Larch	2.32	8.58	37.99	66.94	60.05	51.69	25.28	7.47	3.32	0.45	0.38	0.00	264.47
	Birch	2.65	15.57	32.22	33.30	11.65	4.45	0.27	0.05	0.00	0.00	0.00	0.00	100.15
	Fir	< 0.01	2.64	3.25	3.12	3.30	0.90	2.17	0.35	1.33	0.78	1.60	0.00	19.44
	Maple	0.06	0.83	2.04	0.92	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.91
	Other hardwoods	< 0.01	0.22	0.43	0.56	0.00	< 0.01	0.00	0.00	0.01	0.00	0.00	0.00	1.23
	Cedar & other conifers	< 0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
	Unspecified hardwoods	0.00	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	< 0.01
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	150.51	416.64	777.65	2 087.81	1 555.52	1 157.06	638.71	264.01	98.21	17.91	19.78	0.00	7 183.82	
Prairies	Poplar	19.67	69.47	24.46	6.64	3.33	0.86	0.00	0.02	0.00	0.00	0.00	0.00	124.44
	Spruce	0.07	0.53	0.81	0.43	1.03	0.93	0.30	0.54	0.00	0.00	0.00	0.00	4.67
	Pine	0.01	0.18	1.52	0.04	< 0.01	2.04	0.00	0.00	0.00	0.00	0.00	0.00	3.80
	Birch	0.19	0.14	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43
	Maple	0.09	0.11	0.15	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35
	Douglas-fir	0.00	0.00	0.04	0.08	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
	Larch	0.00	0.04	0.01	< 0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06
	Fir	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
	Other hardwoods	< 0.01	< 0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Subtotal	20.04	70.48	27.11	7.22	4.37	3.83	0.30	0.56	0.00	0.00	0.00	0.00	133.92	
Taiga Cordillera	Spruce	0.12	1.32	11.76	15.25	15.40	180.87	527.90	12.58	8.10	0.00	0.00	0.00	773.32
	Fir	0.00	0.08	0.09	4.16	7.84	9.22	7.75	9.06	0.66	0.00	0.00	0.00	38.84
	Birch	0.08	0.49	0.08	2.61	13.35	0.17	0.00	0.00	0.00	0.00	0.00	0.00	16.77
	Pine	0.00	0.20	0.15	1.14	3.13	1.52	1.26	0.00	0.00	0.00	0.00	0.00	7.39
	Larch	< 0.01	0.02	0.08	0.55	0.70	0.09	0.17	0.68	0.16	0.00	0.00	0.00	2.47
	Poplar	0.07	0.35	0.41	0.60	0.01	0.52	0.05	0.00	0.00	0.00	0.00	0.00	2.02
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	0.28	2.46	12.56	24.31	40.44	192.38	537.14	22.32	8.92	0.00	0.00	0.00	840.81	
Boreal Cordillera	Spruce	0.90	3.13	28.09	52.95	139.16	354.04	266.68	196.30	149.17	19.54	150.58	0.00	1 360.53
	Pine	0.85	5.51	41.26	57.29	58.65	135.84	109.08	67.08	35.89	13.99	44.21	0.00	569.65
	Fir	0.02	0.24	1.88	8.09	18.19	42.62	47.24	38.72	34.65	13.53	49.18	0.00	254.36
	Poplar	0.74	3.56	17.79	43.96	32.44	43.91	30.52	15.03	1.81	2.38	5.13	0.00	197.26
	Birch	0.00	0.69	10.42	3.14	4.11	7.02	1.17	0.86	0.10	0.00	0.00	0.00	27.51
	Larch	0.02	0.04	0.18	0.46	0.49	0.40	0.34	0.09	0.00	0.00	0.00	0.00	2.02
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	2.53	13.16	99.62	165.89	253.04	583.84	455.01	318.08	221.62	49.44	249.10	0.00	2 411.32	
Pacific Maritime	Hemlock	5.61	65.76	138.72	125.80	115.80	47.85	56.60	32.19	48.24	20.84	1 973.14	0.00	2 630.57
	Cedar & other conifers	0.88	7.01	19.56	13.99	11.28	12.46	3.78	16.52	19.42	29.91	942.87	0.00	1 077.70
	Fir	0.61	13.19	14.53	7.93	2.76	9.94	15.80	16.21	15.65	14.62	591.81	0.00	703.05
	Douglas-fir	1.27	19.06	105.47	152.34	77.65	73.28	62.16	21.31	16.65	19.96	141.49	0.00	690.65
	Spruce	0.00	4.32	32.28	0.68	11.10	2.41	2.28	2.08	5.45	5.41	79.44	0.00	145.45
	Other hardwoods	0.36	6.43	39.51	23.17	15.46	9.58	1.74	0.02	0.02	2.03	7.07	0.00	105.37
	Poplar	0.00	0.25	2.08	6.78	13.75	29.44	7.74	7.23	0.52	6.49	4.78	0.00	79.06
	Pine	< 0.01	2.78	0.16	2.85	6.93	17.77	9.73	9.61	0.35	2.16	8.21	0.00	60.54
	Maple	0.00	0.31	3.16	4.45	8.83	0.02	0.18	0.00	0.00	0.00	0.76	0.00	17.71
	Birch	0.11	1.25	0.44	4.25	3.86	3.39	1.95	0.82	0.00	0.00	0.71	0.00	16.79
	Unspecified hardwoods	< 0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Subtotal	8.86	120.36	355.92	342.25	267.43	206.13	161.96	106.00	106.30	101.43	3 750.28	0.00	5 526.91	
Montane Cordillera	Pine	8.50	72.53	57.06	148.60	424.30	396.12	389.79	274.76	120.66	64.29	124.16	0.00	2 080.79
	Spruce	2.35	16.41	46.44	64.35	122.04	206.60	290.94	325.77	179.32	138.66	680.91	0.00	2 073.78
	Fir	0.10	2.79	23.97	27.85	58.09	99.71	126.14	172.97	179.18	149.07	665.38	0.00	1 505.24
	Douglas-fir	0.50	5.83	16.82	30.07	136.41	206.38	217.87	189.68	53.59	40.34	166.30	0.00	1 063.78
	Hemlock	0.12	0.47	8.96	11.89	24.16	26.40	25.54	18.10	17.34	19.47	291.44	0.00	443.89
	Poplar	0.27	14.14	31.09	46.12	129.55	84.75	62.55	36.99	3.55	3.10	5.94	0.00	418.05
	Cedar & other conifers	0.02	2.57	7.13	3.44	6.12	6.32	6.01	5.78	2.46	4.64	181.15	0.00	225.65
	Larch	0.11	0.36	1.83	7.70	27.28	25.03	21.71	7.62	5.46	2.74	16.70	0.00	116.53
	Birch	0.33	2.61	18.28	10.93	13.26	13.58	7.05	2.81	0.21	0.40	0.14	0.00	69.61
	Other hardwoods	0.00	0.00	< 0.01	0.00	0.00	0.00	0.00	0.43	0.00	0.10	0.00	0.00	0.54
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal	12.30	117.71	211.58	350.96	941.21	1 064.90	1 147.59	1 034.90	561.77	422.81	2 132.12	0.00	7 997.86	
Other	Spruce	0.14	22.58	52.32	49.79	95.00	133.49	83.46	18.19	0.51	0.01	0.00	0.00	455.49
	Larch	0.20	2.65	5.58	3.99	7.58	4.68	1.55	6.91	0.31	0.01	0.00	0.00	33.46
	Pine	0.86	6.75	2.03	3.13	1.88	0.57	0.00	0.00	0.00	0.00	0.00	0.00	15.23

Terrestrial ecozone	Species group	Age (years)											Total	
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+		Other ¹
Hudson Plains	Poplar	0.49	0.87	2.09	3.57	0.72	0.82	0.03	0.00	0.00	0.00	0.00	0.00	8.59
	Fir	0.01	0.67	1.16	0.37	0.09	0.11	0.00	0.00	0.00	0.00	0.00	0.00	2.41
	Birch	0.36	0.44	0.40	0.91	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00	2.28
	Cedar & other conifers	0.00	0.00	0.03	0.03	0.05	0.03	<0.01	0.05	0.00	0.00	0.00	0.00	0.19
	Unspecified conifers	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
	Other hardwoods	0.00	<0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	Unclassified	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Subtotal	2.05	33.98	63.69	61.78	105.32	139.88	85.05	25.15	0.82	0.02	0.00	0.00	517.73
Canada	Spruce	91.18	556.07	1 761.27	2 868.88	4 201.60	5 448.18	3 992.18	1 463.11	505.66	202.30	992.35	0.00	22 082.78
	Poplar	208.87	559.85	919.26	1 977.93	1 756.70	812.17	398.48	151.67	21.46	15.88	16.61	0.00	6 838.87
	Pine	171.15	597.20	622.04	978.23	1 026.05	849.40	729.25	421.88	184.41	80.65	177.93	0.00	5 838.18
	Fir	36.84	273.02	453.80	377.63	489.04	259.24	265.45	253.59	235.67	178.28	1 309.14	0.00	4 131.71
	Hemlock	5.74	66.81	151.84	146.84	157.31	77.76	87.40	50.98	65.69	40.31	2 264.58	0.00	3 115.27
	Douglas-fir	1.77	24.88	122.32	182.50	214.06	279.66	280.04	210.99	70.24	60.30	307.78	0.00	1 754.55
	Birch	44.91	197.24	384.88	428.85	412.48	132.89	34.88	10.69	0.87	1.35	1.92	0.00	1 650.97
	Maple	15.75	66.39	384.59	487.16	453.91	109.62	15.51	6.27	4.65	0.00	0.81	0.00	1 544.65
	Cedar & other conifers	2.98	19.92	59.66	53.97	68.96	54.40	25.50	26.98	23.62	34.55	1 124.02	0.00	1 494.55
	Larch	9.25	45.25	118.81	152.77	153.74	122.30	82.69	35.44	10.86	3.97	18.84	0.00	753.92
	Unspecified conifers	115.35	134.15	32.00	7.83	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	290.63
	Other hardwoods	2.35	22.17	77.60	76.10	54.22	20.41	4.02	1.32	0.28	2.13	7.07	0.00	267.67
	Unspecified hardwoods	67.35	32.34	20.03	3.73	9.34	0.39	0.15	0.00	0.00	0.00	0.00	0.00	133.32
	Unclassified	2.53	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54
	Total	776.04	2 595.29	5 108.09	7 742.41	8 998.72	8 166.42	5 915.56	2 632.91	1 123.40	619.72	6 221.04	0.00	49 899.60

Source: Canada's National Forest Inventory, combined remeasured (2007-2017) and projected (2006-2017 with NFI projection system) data (Version 1, July 2021) (<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.