

Table 18.2. Total above-ground biomass (million tonnes) on forest land by species group, age class and boreal zone in Canada.

Boreal zone	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
Non-boreal	Spruce	12.98	72.20	180.40	231.35	216.40	132.28	173.90	155.83	90.57	72.22	413.98	0.00	1 752.11
	Fir	12.21	88.17	173.11	152.46	127.67	73.48	74.93	104.99	103.23	92.59	668.97	0.00	1 671.81
	Hemlock	6.10	42.43	85.29	82.56	85.80	44.32	48.62	29.11	37.61	23.55	1 183.93	0.00	1 669.33
	Pine	15.44	94.48	92.04	168.08	328.13	224.98	219.98	135.91	60.26	35.75	77.81	0.00	1 452.87
	Douglas-fir	2.61	20.85	78.38	108.34	139.32	179.73	190.86	142.42	49.17	40.62	205.17	0.00	1 157.46
	Maple	10.47	43.90	265.79	339.41	338.67	83.00	12.59	4.60	3.38	0.00	0.45	<0.01	1 102.27
	Cedar & other conifers	2.36	12.99	34.61	30.75	37.19	26.10	12.39	13.09	13.39	19.97	581.90	0.00	784.74
	Poplar	22.52	103.14	153.91	180.52	156.59	77.93	42.40	23.43	2.22	5.03	7.96	0.00	775.67
	Birch	8.46	58.16	126.12	141.88	175.21	57.47	10.88	5.85	0.17	0.24	0.48	0.00	584.92
	Other hardwoods	1.28	12.36	41.24	48.42	32.64	9.62	1.85	0.41	0.01	1.02	3.77	0.00	152.62
	Larch	1.14	4.17	10.16	12.87	22.71	17.05	12.87	6.44	3.57	1.91	12.37	0.00	105.25
	Unspecified hardwoods	19.56	12.70	13.80	2.72	6.68	0.28	0.10	0.00	0.00	0.00	0.00	<0.01	55.84
	Unspecified conifers	18.14	21.13	8.06	3.23	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.34
	Unclassified	1.41	2.06	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.53	30.08
Subtotal	134.68	588.74	1 263.00	1 502.57	1 667.80	926.22	801.37	622.09	363.58	292.89	3 156.80	26.55	11 346.30	
Boreal	Spruce	42.83	342.93	889.37	1 591.01	1 839.80	3 428.80	2 553.49	1 061.04	211.89	46.88	218.85	0.51	12 227.39
	Poplar	83.04	211.82	394.86	952.29	862.48	381.47	181.07	59.51	8.82	3.17	3.65	0.01	3 142.19
	Pine	64.96	242.06	255.03	395.25	274.65	269.90	208.10	105.07	43.06	9.58	31.65	0.03	1 899.35
	Fir	12.84	91.89	122.34	126.41	187.37	83.91	93.73	53.71	41.76	15.85	67.65	0.03	897.48
	Birch	16.23	70.06	126.60	147.50	96.34	135.03	11.72	2.89	0.40	0.52	0.64	0.02	607.96
	Larch	8.53	18.38	48.04	64.93	59.00	48.43	29.67	14.18	2.42	0.70	1.28	0.11	295.66
	Unspecified conifers	52.85	61.52	10.74	1.38	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.01	126.67
	Unclassified	2.66	1.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.61	72.73
	Maple	0.06	1.59	12.78	19.76	10.57	0.18	0.00	0.00	0.00	0.00	0.00	0.00	44.94
	Unspecified hardwoods	23.15	9.37	0.25	0.01	0.00	0.00	<0.01	0.00	0.00	0.00	0.00	0.00	32.80
	Cedar & other conifers	0.06	0.25	1.05	2.87	5.05	6.61	3.60	1.73	0.51	0.00	0.00	0.00	21.73
	Other hardwoods	0.43	0.92	2.96	7.63	4.22	2.75	0.76	0.60	0.07	0.07	0.00	0.03	20.44
	Subtotal	307.62	1 052.27	1 864.02	3 309.04	3 339.65	4 357.07	3 082.15	1 298.74	308.93	76.76	323.73	69.36	19 389.33
	Canada	Spruce	55.81	415.13	1 069.77	1 822.36	2 056.20	3 561.07	2 727.39	1 216.87	302.46	119.10	632.83	0.51
Poplar		105.55	314.97	548.77	1 132.81	1 019.08	459.40	223.47	82.94	11.04	8.20	11.61	0.01	3 917.86
Pine		80.40	336.55	347.07	563.32	602.78	494.88	428.08	240.99	103.32	45.33	109.47	0.03	3 352.22
Fir		25.05	180.06	295.45	278.87	315.04	157.38	168.66	158.69	145.00	108.44	736.62	0.03	2 569.29
Hemlock		6.10	42.43	85.29	82.56	85.80	44.32	48.62	29.11	37.61	23.55	1 183.93	0.00	1 669.33
Birch		24.69	128.23	252.72	289.38	271.55	192.50	22.60	8.74	0.57	0.76	1.12	0.02	1 192.87
Douglas-fir		2.61	20.85	78.38	108.34	139.32	179.73	190.86	142.42	49.17	40.62	205.17	0.00	1 157.46
Maple		10.53	45.49	278.57	359.17	349.24	83.18	12.59	4.60	3.38	0.00	0.45	<0.01	1 147.20
Cedar & other conifers		2.41	13.24	35.66	33.62	42.24	32.71	16.00	14.82	13.89	19.97	581.90	0.00	806.46
Larch		9.67	22.54	58.20	77.80	81.71	65.48	42.54	20.62	5.99	2.60	13.65	0.11	400.91
Unspecified conifers		70.99	82.65	18.80	4.61	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.03	178.01
Other hardwoods		1.72	13.28	44.20	56.05	36.87	12.36	2.61	1.02	0.09	1.08	3.77	0.03	173.06
Unclassified		4.07	3.53	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.14	102.81
Unspecified hardwoods		42.71	22.08	14.05	2.73	6.68	0.28	0.11	0.00	0.00	0.00	0.00	<0.01	88.64
Total	442.30	1 641.02	3 127.01	4 811.60	5 007.45	5 283.29	3 883.52	1 920.83	672.51	369.65	3 480.53	95.92	30 735.63	

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

Note: The Non-boreal zone in the Arctic ecozones (Arctic Cordillera, Northern Arctic, Southern Arctic) are not inventoried. The total land and water area amounts to approximately 252,202.08 thousand ha.

¹ Missing or unknown age class.