

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	13.12	71.24	182.24	230.09	209.68	141.31	164.85	148.80	84.22	72.89	373.52	0.01	1 691.96	
	Hemlock	6.09	43.24	84.61	79.08	85.67	43.04	48.41	28.41	36.31	22.99	1 150.02	0.00	1 627.86	
	Fir	12.52	86.92	173.00	145.34	123.42	73.94	73.54	96.09	95.86	91.51	648.35	0.01	1 620.49	
	Pine	14.07	87.95	91.32	165.64	309.64	220.67	211.40	133.14	59.08	34.53	71.64	0.12	1 399.20	
	Maple	10.55	44.41	269.67	344.81	329.70	82.29	10.86	4.62	3.27	0.00	0.45	0.01	1 100.63	
	Douglas-fir	2.40	18.84	75.67	108.20	130.33	168.49	167.58	127.96	43.93	37.66	183.43	0.00	1 064.49	
	Poplar	22.54	104.25	158.72	178.81	161.76	76.60	39.53	23.62	2.21	5.03	5.71	0.00	778.76	
	Cedar & other conifers	2.38	13.41	33.99	29.07	35.00	24.41	11.33	12.69	12.22	19.53	573.68	0.00	767.72	
	Birch	8.54	56.46	126.42	141.64	171.68	58.78	10.13	3.74	0.14	0.22	0.48	0.01	578.25	
	Other hardwoods	1.30	13.04	45.07	44.74	31.50	9.22	1.74	0.41	0.01	1.02	3.79	0.00	151.84	
	Larch	1.11	3.93	10.15	12.65	19.71	15.54	14.54	4.63	3.41	1.77	10.19	0.00	97.64	
	Unspecified hardwoods	19.54	13.65	13.82	2.68	6.68	0.28	0.10	0.00	0.00	0.00	0.00	< 0.01	56.74	
	Unspecified conifers	18.34	21.19	8.31	3.34	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.85	
	Unclassified	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.87	24.03	
Subtotal		132.66	578.53	1 272.98	1 486.08	1 615.42	914.56	754.00	584.13	340.67	287.14	3 021.25	24.05	11 011.46	
Boreal	Spruce	42.31	278.14	899.21	1 550.19	2 362.50	3 174.66	2 459.70	906.62	209.13	43.25	190.89	3.38	12 119.98	
	Poplar	83.28	210.34	376.74	957.06	857.24	384.56	177.22	58.28	8.78	3.17	3.65	0.23	3 120.56	
	Pine	65.28	233.97	263.42	382.46	265.48	248.43	185.64	95.75	37.78	9.24	28.74	0.29	1 816.48	
	Fir	10.97	93.82	120.49	105.52	198.08	88.61	91.34	53.28	41.29	15.39	47.86	0.17	866.83	
	Birch	15.85	70.47	129.60	140.74	156.90	76.43	12.07	2.91	0.40	0.52	0.64	0.19	606.71	
	Larch	7.90	17.82	48.13	65.24	58.88	48.63	29.92	14.09	2.63	0.62	0.97	0.11	294.93	
	Unspecified conifers	52.77	60.69	11.51	1.40	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.14	126.66	
	Unclassified	1.43	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.15	70.58	
	Maple	0.06	1.59	12.40	19.99	10.57	0.18	0.00	0.00	0.00	0.00	0.00	0.00	44.79	
	Unspecified hardwoods	23.62	8.33	0.26	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	< 0.01	32.24	
	Cedar & other conifers	0.06	0.25	1.05	2.87	5.08	6.59	3.63	1.78	0.53	0.00	0.00	0.00	21.84	
	Other hardwoods	0.30	1.33	2.82	7.62	4.22	2.79	0.74	0.52	0.14	0.06	0.00	0.03	20.57	
	Subtotal		303.83	976.75	1 865.63	3 233.08	3 919.13	4 030.87	2 960.27	1 133.22	300.68	72.26	272.75	73.69	19 142.17
	Canada	Spruce	55.43	349.38	1 081.45	1 780.28	2 572.18	3 315.97	2 624.55	1 055.43	293.34	116.13	564.41	3.39	13 811.94
Poplar		105.82	314.59	535.46	1 135.86	1 019.00	461.15	216.75	81.89	10.99	8.20	9.36	0.23	3 899.32	
Pine		79.35	321.92	354.74	548.09	575.13	469.10	397.04	228.89	96.85	43.78	100.38	0.41	3 215.68	
Fir		23.50	180.74	293.48	250.86	321.50	162.55	164.88	149.37	137.15	106.90	696.21	0.18	2 487.32	
Hemlock		6.09	43.24	84.61	79.08	85.67	43.04	48.41	28.41	36.31	22.99	1 150.02	0.00	1 627.86	
Birch		24.39	126.93	256.02	282.37	328.58	135.21	22.20	6.65	0.55	0.74	1.12	0.20	1 184.96	
Maple		10.61	45.99	282.07	364.79	340.27	82.47	10.86	4.62	3.27	0.00	0.45	0.01	1 145.41	
Douglas-fir		2.40	18.84	75.67	108.20	130.33	168.49	167.58	127.96	43.93	37.66	183.43	0.00	1 064.49	
Cedar & other conifers		2.44	13.66	35.04	31.94	40.08	31.00	14.96	14.47	12.75	19.53	573.68	0.00	789.56	
Larch		9.01	21.75	58.28	77.89	78.59	64.17	44.46	18.72	6.04	2.39	11.16	0.11	392.57	
Unspecified conifers		71.11	81.88	19.82	4.73	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.15	178.51	
Other hardwoods		1.60	14.37	47.89	52.36	35.72	12.01	2.48	0.93	0.15	1.08	3.79	0.03	172.41	
Unclassified		1.59	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.02	94.61	
Unspecified hardwoods		43.16	21.99	14.07	2.69	6.68	0.28	0.11	0.00	0.00	0.00	0.00	< 0.01	88.98	
Total		436.49	1 555.29	3 138.61	4 719.16	5 534.55	4 945.43	3 714.27	1 717.35	641.35	359.39	3 294.00	97.73	30 153.63	

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