

Table 17.4. Total above-ground biomass (million tonnes) on forest land by forest type, age class and managed forest region in Canada.

Managed forests	Forest type	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
0	Treed Coniferous	0.06	0.86	3.38	5.25	7.43	10.15	6.46	3.52	3.60	1.11	26.54	0.00	68.38
	Treed Mixedwood	0.08	0.19	1.41	1.61	1.45	0.20	0.57	0.00	0.00	0.00	<0.01	0.00	5.53
	Treed Broadleaf	0.09	0.45	1.92	1.14	0.43	1.26	0.12	0.00	0.00	0.00	0.00	0.00	5.41
	Non-treed	0.00	<0.01	<0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.21
	Subtotal	0.23	1.50	6.72	8.00	9.32	11.62	7.15	3.52	3.60	1.11	26.55	0.21	79.53
11	Treed Coniferous	120.64	439.54	801.45	1 304.77	1 476.69	1 019.57	1 249.91	706.51	395.21	228.26	2 216.50	0.00	9 959.03
	Treed Mixedwood	85.51	222.82	368.17	545.93	553.33	250.24	172.38	75.25	21.78	11.19	11.22	0.00	2 317.82
	Treed Broadleaf	65.91	138.16	298.62	659.43	605.15	252.37	130.09	49.78	7.83	3.65	6.11	0.00	2 217.08
	Non-treed	0.96	1.20	1.89	12.79	7.30	12.02	2.39	0.14	0.15	0.10	0.06	42.38	81.38
	Subtotal	273.02	801.71	1 470.12	2 522.92	2 642.47	1 534.20	1 554.77	831.68	424.97	243.21	2 233.88	42.38	14 575.32
12	Treed Coniferous	10.40	95.16	110.64	190.97	201.72	136.23	121.79	39.10	16.15	8.18	73.04	0.00	1 003.39
	Treed Broadleaf	7.21	21.97	43.62	88.33	45.00	13.58	4.28	3.38	0.40	0.29	0.52	0.00	228.58
	Treed Mixedwood	5.44	17.41	34.88	59.58	37.64	21.34	11.58	7.65	0.23	0.02	0.28	0.00	196.05
	Non-treed	0.07	0.01	0.16	0.06	0.12	<0.01	0.00	0.00	0.00	0.00	0.00	13.54	13.95
	Subtotal	23.12	134.55	189.30	338.94	284.47	171.15	137.65	50.13	16.78	8.49	73.84	13.54	1 441.97
13	Treed Coniferous	23.46	161.15	344.09	397.42	629.28	2 180.18	1 228.07	662.78	25.38	7.54	36.83	0.00	5 696.19
	Treed Mixedwood	9.13	21.90	27.43	84.88	151.08	215.31	63.72	6.37	0.33	1.49	0.41	0.00	582.04
	Treed Broadleaf	7.25	20.16	22.10	32.48	120.06	34.49	1.28	0.35	0.00	0.96	0.00	0.00	239.13
	Non-treed	0.10	0.49	4.65	2.78	7.70	5.70	0.19	0.12	0.00	0.00	0.00	19.95	41.69
	Subtotal	39.94	203.69	398.27	517.57	908.12	2 435.68	1 293.26	669.62	25.71	10.00	37.23	19.95	6 559.05
20	Treed Coniferous	7.44	62.27	140.75	257.23	280.32	370.53	308.35	183.37	102.14	59.13	723.37	0.00	2 494.90
	Treed Mixedwood	4.20	27.53	64.18	93.15	84.36	38.15	18.50	12.11	2.55	0.61	3.46	0.00	348.80
	Treed Broadleaf	3.33	30.39	79.08	100.14	79.73	23.94	6.63	1.58	0.19	0.90	0.59	0.00	326.50
	Non-treed	0.06	<0.01	<0.01	0.00	0.11	0.07	0.01	0.00	0.00	0.00	0.00	3.74	3.98
	Subtotal	15.02	120.19	284.01	450.51	444.52	432.69	333.49	197.06	104.88	60.65	727.41	3.74	3 174.18
31	Treed Coniferous	0.27	9.33	7.91	14.10	10.06	6.02	4.06	15.40	2.96	0.08	1.97	0.00	72.16
	Treed Broadleaf	1.26	2.66	3.29	11.97	5.12	2.74	0.65	0.00	0.00	0.00	0.00	0.00	27.70
	Treed Mixedwood	0.18	1.68	0.76	6.67	1.32	2.90	0.37	0.04	0.05	0.00	0.00	0.00	13.97
	Non-treed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09
	Subtotal	1.71	13.67	11.97	32.74	16.50	11.65	5.09	15.44	3.01	0.08	1.97	0.09	113.92
32	Treed Coniferous	0.29	7.64	6.37	8.13	10.83	6.62	4.36	3.98	2.75	2.88	7.57	0.00	61.42
	Treed Broadleaf	2.67	8.25	10.69	8.01	4.02	3.76	0.33	0.80	0.00	1.60	0.00	0.00	40.12
	Treed Mixedwood	0.36	2.54	5.13	8.00	10.24	2.28	1.35	1.94	0.00	0.00	0.01	0.00	31.86
	Non-treed	<0.01	0.00	<0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14
	Subtotal	3.33	18.44	22.19	24.14	25.10	12.66	6.03	6.71	2.75	4.48	7.58	0.14	133.54
33	Treed Coniferous	8.35	35.46	53.21	99.68	94.30	89.41	107.36	71.50	69.42	30.95	264.42	0.00	924.04
	Treed Mixedwood	3.22	9.33	12.93	38.31	18.07	15.13	8.21	7.37	4.11	0.69	2.49	0.00	119.86
	Treed Broadleaf	4.19	8.30	16.39	21.93	15.53	13.67	5.64	0.75	0.24	0.00	0.00	0.00	86.63
	Non-treed	0.02	0.01	<0.01	<0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	4.09	4.14
	Subtotal	15.78	53.09	82.52	159.93	127.91	118.22	121.21	79.61	73.76	31.65	266.91	4.09	1 134.67
40	Treed Coniferous	0.58	4.19	11.95	16.64	26.87	188.67	67.36	21.31	5.29	1.43	36.45	0.00	380.75
	Treed Mixedwood	0.46	3.12	2.23	3.60	4.89	28.77	5.13	3.32	0.11	0.00	0.00	0.00	51.64
	Treed Broadleaf	0.35	1.38	2.13	4.95	20.68	8.70	0.07	0.76	0.00	0.00	0.00	0.00	39.02
	Non-treed	0.00	0.32	<0.01	0.48	0.23	0.00	0.72	0.00	0.00	0.00	0.00	0.14	1.90
	Subtotal	1.39	9.01	16.32	25.67	52.67	226.14	73.29	25.38	5.40	1.43	36.45	0.14	473.31
50	Treed Broadleaf	26.04	105.28	269.38	302.14	213.68	65.14	16.85	4.37	0.46	0.36	0.55	0.00	1 004.24
	Treed Coniferous	15.09	82.21	148.64	166.26	96.33	69.13	52.85	16.54	8.62	6.74	56.09	0.00	718.51
	Treed Mixedwood	20.19	66.33	179.97	199.12	101.96	38.82	9.00	4.47	0.91	0.24	1.55	0.00	622.58
	Non-treed	0.07	0.28	0.25	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.00	10.33	11.01
	Subtotal	61.39	254.09	598.23	667.56	412.02	173.09	78.70	25.39	10.00	7.34	58.20	10.33	2 356.34
100	Treed Coniferous	1.53	13.80	22.10	30.37	46.54	34.61	35.77	17.69	0.61	0.13	3.16	0.00	206.31
	Treed Mixedwood	1.15	4.60	7.18	13.87	16.01	5.22	1.94	0.97	0.04	0.14	0.05	0.00	51.17
	Treed Broadleaf	1.59	2.73	6.57	7.64	8.50	5.43	1.05	0.16	0.10	0.02	0.03	0.00	33.83
	Non-treed	0.04	0.07	0.04	<0.01	<0.01	0.41	0.01	0.00	0.00	0.00	0.00	0.87	1.45
	Subtotal	4.30	21.21	35.88	51.88	71.05	45.67	38.78	18.82	0.75	0.29	3.24	0.87	292.76
Canada	Treed Coniferous	188.12	911.59	1 650.48	2 490.82	2 880.37	4 111.13	3 186.35	1 741.70	632.13	346.45	3 445.93	0.00	21 585.08
	Treed Mixedwood	129.93	377.46	704.29	1 054.72	980.37	618.35	292.75	119.48	30.12	14.40	19.47	0.00	4 341.33
	Treed Broadleaf	119.89	339.72	753.78	1 238.16	1 117.90	425.06	166.99	61.93	9.21	7.79	7.80	0.00	4 248.24
	Non-treed	1.31	2.38	6.99	16.15	15.51	18.21	3.33	0.26	0.15	0.10	0.06	95.48	159.94
	Total	439.25	1 631.16	3 115.54	4 799.85	4 994.14	5 172.76	3 649.42	1 923.37	671.61	368.75	3 473.26	95.48	30 334.58

Managed forests	Forest type	Age (years)											Total
		1-20	21-40	41-60	61-80	81-100	101-120	121-140	141-160	161-180	181-200	201+	

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.

Managed forest

Code	Description
0	Not available
11	Long term volume or area based Crown timber dispositions
12	Short term volume or area based Crown timber dispositions
13	No current Crown timber dispositions
20	Legal protection status (IUCN class IA, IB, II, III, IV, V, VI equivalent)
31	Reserved by the Federal government for military or other purposes
32	Reserved by the Federal government under the Indian Act
33	Reserved or designated restricted use by provincial or territorial government
40	Aboriginal lands
50	Privately-owned lands
100	Water