

**Table 17.1. Total above-ground biomass (million tonnes) on forest land by forest type, age class and terrestrial ecozone in Canada.**

Terrestrial ecozone	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 <sup>1</sup>		
Taiga Plains	Treed Coniferous	3.57	20.10	55.61	103.99	381.70	1 220.53	86.86	62.90	30.49	4.40	4.68	0.00	1 974.84	
	Treed Broadleaf	4.10	11.98	30.22	124.57	171.36	38.40	42.39	22.48	3.85	0.07	0.00	0.00	449.42	
	Treed Mixedwood	2.25	12.19	19.54	49.14	100.02	157.82	35.76	14.14	4.58	3.12	1.27	0.00	399.82	
	Non-treed	< 0.01	< 0.01	0.00	0.01	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.21
	Subtotal	9.93	44.27	105.36	277.71	653.09	1 416.75	165.02	99.51	38.91	7.60	5.95	0.20	2 824.30	
Taiga Shield	Treed Coniferous	8.99	44.97	112.62	118.83	305.17	353.48	764.15	432.35	1.59	2.48	36.01	0.00	2 180.64	
	Treed Mixedwood	1.97	3.92	3.92	8.41	10.47	4.32	52.51	0.91	0.00	0.00	0.00	0.00	86.42	
	Treed Broadleaf	1.79	2.67	2.76	1.86	2.63	33.88	0.09	0.00	0.00	0.00	0.00	0.00	45.67	
	Non-treed	0.00	0.00	0.00	< 0.01	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	11.98	11.99	
	Subtotal	12.75	51.55	119.30	129.11	318.27	391.68	816.74	433.26	1.59	2.48	36.01	11.98	2 324.73	
Boreal Shield	Treed Coniferous	103.31	418.35	813.16	1 093.03	1 360.33	692.51	865.54	159.08	28.56	3.31	1.59	0.00	5 538.78	
	Treed Mixedwood	78.34	216.44	399.33	497.86	566.18	119.88	41.34	11.07	4.05	1.37	1.15	0.00	1 937.01	
	Treed Broadleaf	46.09	127.28	323.09	405.76	386.68	81.97	15.30	4.53	2.02	0.94	0.00	0.00	1 393.64	
	Non-treed	0.15	0.04	0.10	0.54	0.34	< 0.01	< 0.01	0.00	0.00	0.00	0.00	50.89	52.07	
	Subtotal	227.89	762.10	1 535.69	1 997.18	2 313.52	894.37	922.18	174.68	34.63	5.62	2.74	50.89	8 921.49	
Atlantic Maritime	Treed Coniferous	24.85	91.45	129.40	159.82	108.56	45.62	9.88	2.12	0.05	0.00	0.00	0.00	571.75	
	Treed Mixedwood	22.95	66.52	130.78	179.30	89.36	31.68	2.31	0.44	0.00	0.11	0.00	0.00	523.46	
	Treed Broadleaf	12.81	39.19	84.52	116.92	86.28	29.92	0.95	1.22	0.19	0.00	0.04	0.00	372.02	
	Non-treed	0.02	0.01	0.02	0.02	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.16	
	Subtotal	60.64	197.16	344.72	456.05	284.19	107.22	13.15	3.77	0.23	0.11	0.04	5.10	1 472.40	
Mixedwood Plains	Treed Broadleaf	2.04	12.21	71.38	66.46	43.29	8.58	1.34	0.77	0.21	0.00	0.00	0.00	206.28	
	Treed Mixedwood	1.22	7.95	32.98	19.28	10.17	2.24	0.95	0.10	0.00	0.00	0.00	0.00	74.89	
	Treed Coniferous	1.92	7.67	15.70	7.57	2.42	0.27	0.14	0.43	0.00	0.00	0.00	0.00	36.12	
	Non-treed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.30	
	Subtotal	5.18	27.83	120.06	93.31	55.88	11.09	2.43	1.30	0.21	0.00	0.00	1.30	318.60	
Boreal Plains	Treed Coniferous	24.16	85.98	188.75	493.94	418.15	364.29	229.23	111.72	45.63	9.37	10.24	0.00	1 981.46	
	Treed Broadleaf	42.80	101.26	185.95	494.64	328.17	167.24	58.12	11.46	1.13	0.07	0.00	0.00	1 390.83	
	Treed Mixedwood	17.13	46.21	63.94	197.19	144.09	123.97	72.29	22.34	6.58	0.71	0.18	0.00	694.65	
	Non-treed	0.32	0.44	0.28	0.14	0.29	0.14	< 0.01	0.02	0.00	0.00	0.00	9.98	11.62	
	Subtotal	84.42	233.89	438.93	1 185.91	890.71	655.64	359.64	145.53	53.34	10.16	10.42	9.98	4 078.56	
Prairies	Treed Broadleaf	10.32	36.25	12.70	3.26	1.81	0.29	0.00	0.01	0.00	0.00	0.00	0.00	64.64	
	Treed Coniferous	0.04	0.23	1.06	0.13	0.50	1.24	0.11	0.28	0.00	0.00	0.00	0.00	3.58	
	Non-treed	0.05	0.03	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05	2.14	
	Treed Mixedwood	0.08	0.23	0.43	0.48	0.20	0.59	0.06	0.00	0.00	0.00	0.00	0.00	2.08	
	Subtotal	10.50	36.74	14.20	3.87	2.50	2.12	0.17	0.29	0.00	0.00	0.00	2.05	72.44	
Taiga Cordillera	Treed Coniferous	0.01	1.14	14.03	18.87	16.60	107.27	291.07	12.16	3.81	0.00	0.00	0.00	464.96	
	Treed Mixedwood	0.14	0.43	1.06	1.56	1.14	3.06	7.96	0.16	1.14	0.00	0.00	0.00	16.66	
	Treed Broadleaf	0.09	0.32	0.12	0.95	5.26	0.01	0.00	0.00	0.00	0.00	0.00	0.00	6.75	
	Non-treed	0.00	0.00	0.00	0.00	0.27	0.01	0.01	0.00	0.00	0.00	0.00	0.12	0.41	
	Subtotal	0.24	1.89	15.21	21.38	23.27	110.35	299.04	12.32	4.95	0.00	0.00	0.12	488.78	
Boreal Cordillera	Treed Coniferous	1.20	5.94	45.81	66.87	112.36	277.29	210.08	140.81	114.00	22.84	142.00	0.00	1 139.20	
	Treed Mixedwood	0.61	2.67	16.45	27.44	22.37	30.50	23.10	24.96	7.28	2.90	6.41	0.00	164.68	
	Treed Broadleaf	0.37	1.62	10.40	10.72	14.34	18.00	13.90	5.07	0.69	0.93	0.52	0.00	76.56	
	Non-treed	0.00	0.02	0.33	0.80	3.41	7.05	7.29	7.64	1.25	0.00	0.00	1.67	29.46	
	Subtotal	2.18	10.26	72.99	105.83	152.47	332.84	254.37	178.48	123.22	26.67	148.93	1.67	1 409.90	
Pacific Maritime	Treed Coniferous	10.41	74.85	179.82	165.96	121.93	90.21	84.53	53.08	59.82	54.46	1 990.43	0.00	2 885.51	
	Treed Broadleaf	0.17	2.62	16.39	15.02	17.38	18.49	5.43	3.48	0.04	4.65	3.39	0.00	87.05	
	Treed Mixedwood	0.22	5.57	15.92	18.32	12.60	9.65	2.44	3.59	0.83	0.01	5.54	0.00	74.69	
	Non-treed	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	1.84	
	Subtotal	10.79	83.03	212.13	199.29	151.90	118.36	92.41	60.15	60.70	59.11	1 999.37	1.84	3 049.09	
Montane Cordillera	Treed Coniferous	7.17	73.38	96.01	167.78	417.00	526.76	583.73	538.75	312.50	240.68	1 179.22	0.00	4 142.98	
	Treed Mixedwood	3.00	7.72	29.31	27.13	79.74	63.55	50.00	35.46	6.09	4.53	4.35	0.00	310.86	
	Treed Broadleaf	0.03	7.26	9.28	20.29	52.24	23.56	21.03	12.59	0.92	1.17	2.01	0.00	150.36	
	Non-treed	0.01	0.01	0.00	< 0.01	0.03	0.01	< 0.01	< 0.01	0.00	0.00	0.00	10.09	10.16	
	Subtotal	10.21	88.37	134.60	215.20	549.00	613.87	654.76	586.80	319.51	246.38	1 185.58	10.09	4 614.37	
Hudson Plains	Treed Coniferous	1.27	19.09	31.92	33.45	36.51	87.50	32.73	15.06	0.52	0.01	0.00	0.00	258.05	
	Treed Mixedwood	0.07	0.81	1.88	2.13	22.30	2.11	0.43	0.10	0.00	0.00	0.00	0.00	29.82	
	Treed Broadleaf	0.25	0.17	0.23	1.59	0.43	0.21	0.02	0.00	0.00	0.00	0.00	0.00	2.92	
	Non-treed	0.00	0.00	0.00	0.01	< 0.01	0.00	0.00	0.00	0.00	0.00	0.00	2.35	2.37	
	Subtotal	1.59	20.07	34.02	37.18	59.25	89.83	33.18	15.16	0.52	0.01	0.00	2.35	293.15	

Terrestrial ecozone	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 <sup>1</sup>
Canada	Treed Coniferous	186.90	843.13	1 683.89	2 430.23	3 281.22	3 766.98	3 158.05	1 528.74	596.99	337.56	3 364.18	0.00	21 177.86
	Treed Mixedwood	127.99	370.65	715.54	1 028.24	1 058.63	549.37	289.15	113.27	30.55	12.74	18.90	0.00	4 315.04
	Treed Broadleaf	120.86	342.81	747.04	1 262.05	1 109.85	420.55	158.57	61.59	9.03	7.83	5.96	0.00	4 246.15
	Non-treed	0.57	0.56	0.74	1.52	4.35	7.21	7.31	7.66	1.25	0.00	0.00	97.58	128.74
	<b>Total</b>	<b>436.32</b>	<b>1 557.16</b>	<b>3 147.20</b>	<b>4 722.04</b>	<b>5 454.04</b>	<b>4 744.12</b>	<b>3 613.08</b>	<b>1 711.26</b>	<b>637.83</b>	<b>358.13</b>	<b>3 389.03</b>	<b>97.58</b>	<b>29 867.80</b>

Source: Canada's National Forest Inventory, combined re-measured (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.

<sup>1</sup> Missing or unknown age class.