

Andrade, S.M.M., *et al.* 2025. The effects of host and habitat preferences in mate location of *Monochamus maculosus*, *Monochamus notatus*, and *Monochamus scutellatus* (Coleoptera: Cerambycidae). The Canadian Entomologist, **157**: 10041.
<https://doi.org/10.4039/tce.2025.10041>.

Supplementary Material, Table S1. Measurements and estimates of individual softwood pieces of down coarse woody debris sampled in the four plots established in field site #1 and the five plots established in field site #2 with the line-intersect sampling method for forest inventory and analysis from the United States Department of Agriculture Forest Service (2019). Log volume (m³), cubic volume per hectare (m³/ha), density (log/ha), and % cover were calculated following the methodology described by Waddell (2002). Diam. small-end (cm), diameter at the small end of log (cm); Diam. large-end (cm), diameter at the large end of log (cm); % cover = percentage of dead wood cover on ground (transect-level value).

Field site	Plot	Species	Decay class	Diam. small-end (cm)	Diam. large-end (cm)	Log length (m)	Log volume (m ³)	Cubic volume per hectare (m ³ /ha)	Density (log/ha)	% cover
1	1	<i>Picea glauca</i>	3	7.62	11.43	6.60	0.04	1.47	40.75	0.26
		<i>Picea glauca</i>	1	7.62	21.59	11.20	0.21	5.02	24.01	0.39
	2	<i>Pinus banksiana</i>	3	7.62	20.32	7.63	0.13	4.46	35.25	0.38
		<i>Abies balsamea</i>	4	8.89	13.97	2.60	0.02	2.19	103.45	0.31
		<i>Pinus banksiana</i>	2	7.62	15.49	6.50	0.06	2.63	41.38	0.31
	3	<i>Abies balsamea</i>	1	7.62	20.07	11.30	0.18	4.35	23.80	0.37
		<i>Pinus banksiana</i>	3	7.62	24.89	14.20	0.35	6.64	18.94	0.44

	4	<i>Pinus resinosa</i>	2	7.62	9.91	3.00	0.01	1.13	89.65	0.24
2	1	<i>Pinus banksiana</i>	1	7.62	10.80	4.30	0.03	1.84	63	0.25
	2	<i>Pinus banksiana</i>	3	9.65	14.73	6.41	0.08	3.28	42	0.33
		<i>Pinus banksiana</i>	4	7.62	16.51	6.44	0.08	3.49	42	0.32
		<i>Pinus banksiana</i>	4	7.62	16.51	8.70	0.11	3.49	31	0.32
		<i>Pinus banksiana</i>	4	10.82	16.51	5.30	0.08	4.12	51	0.37
		<i>Pinus banksiana</i>	3	7.62	8.26	12.00	0.06	1.33	22	0.21
		<i>Pinus banksiana</i>	3	7.62	9.53	3.22	0.02	1.57	84	0.23
		<i>Pinus banksiana</i>	3	7.62	10.16	8.10	0.05	1.70	33	0.24
		<i>Pinus banksiana</i>	4	7.62	9.14	3.60	0.02	1.50	75	0.23
		<i>Pinus banksiana</i>	4	9.65	19.05	12.20	0.22	4.82	22	0.39
		<i>Pinus banksiana</i>	4	7.62	10.80	6.16	0.04	1.84	44	0.25
	3	<i>Pinus banksiana</i>	2	7.62	15.49	14.10	0.17	3.15	19	0.31
		<i>Pinus banksiana</i>	3	8.13	12.07	4.39	0.04	2.24	61	0.27
		<i>Pinus banksiana</i>	3	7.62	12.19	6.74	0.05	2.18	40	0.27
		<i>Pinus banksiana</i>	4	7.62	16.51	11.94	0.16	3.49	23	0.32
		<i>Pinus banksiana</i>	4	8.89	13.46	6.42	0.07	2.75	42	0.30
		<i>Pinus banksiana</i>	4	7.62	11.68	4.90	0.04	2.06	55	0.26

	<i>Pinus banksiana</i>	4	7.62	13.21	4.69	0.04	2.46	57	0.28
	<i>Pinus banksiana</i>	4	9.91	10.16	4.10	0.03	2.13	66	0.27
	<i>Pinus banksiana</i>	3	7.62	9.53	3.00	0.02	1.57	90	0.23
	<i>Pinus banksiana</i>	4	8.00	13.97	5.02	0.05	2.74	54	0.30
4	<i>Pinus banksiana</i>	4	7.62	14.73	9.37	0.10	2.91	29	0.30
	<i>Pinus banksiana</i>	3	9.65	13.97	8.59	0.10	3.05	31	0.32
	<i>Pinus banksiana</i>	2	7.62	12.70	9.66	0.08	2.32	28	0.27
	<i>Pinus banksiana</i>	4	7.62	11.68	2.62	0.02	2.06	103	0.26
	<i>Pinus banksiana</i>	4	7.62	12.19	2.80	0.02	2.18	96	0.27
	<i>Pinus banksiana</i>	4	7.62	15.75	11.00	0.13	3.23	24	0.31
	<i>Pinus banksiana</i>	4	8.38	11.18	3.00	0.02	2.06	90	0.26
	<i>Pinus banksiana</i>	4	10.16	13.72	2.54	0.03	3.08	106	0.32
	<i>Pinus banksiana</i>	3	7.62	10.67	6.16	0.04	1.82	44	0.25
	<i>Pinus banksiana</i>	3	7.62	15.24	9.18	0.10	3.07	29	0.31
	<i>Pinus banksiana</i>	3	7.62	8.38	3.70	0.02	1.36	73	0.22
	<i>Pinus banksiana</i>	3	7.62	8.26	3.80	0.02	1.33	71	0.21
	<i>Pinus banksiana</i>	4	7.62	9.65	2.50	0.01	1.60	108	0.23
	<i>Pinus banksiana</i>	4	7.62	12.70	3.30	0.03	2.32	82	0.27
	<i>Pinus banksiana</i>	1	7.62	12.70	7.10	0.06	2.32	38	0.27

	<i>Pinus banksiana</i>	2	7.62	12.95	9.46	0.08	2.39	28	0.28
	<i>Pinus banksiana</i>	3	7.62	13.97	7.07	0.07	2.67	38	0.29
	<i>Pinus banksiana</i>	3	7.62	8.89	3.12	0.02	1.45	86	0.22
	<i>Pinus banksiana</i>	3	9.65	16.51	10.30	0.15	3.86	26	0.35
5	<i>Pinus banksiana</i>	4	7.62	8.89	0.92	0.00	1.45	292	0.22
	<i>Pinus banksiana</i>	4	10.67	13.21	3.83	0.04	3.04	70	0.32
	<i>Pinus banksiana</i>	4	9.53	12.07	3.35	0.03	2.50	80	0.29
	<i>Pinus banksiana</i>	4	7.62	11.68	2.08	0.02	2.06	129	0.26
	<i>Pinus banksiana</i>	3	7.62	14.61	9.20	0.10	2.87	29	0.30
	<i>Pinus banksiana</i>	4	7.62	10.41	3.20	0.02	1.76	84	0.24
	<i>Pinus banksiana</i>	2	20.07	21.08	4.11	0.14	8.95	65	0.55
	<i>Pinus banksiana</i>	2	7.62	9.40	4.68	0.03	1.55	57	0.23
	<i>Pinus banksiana</i>	2	9.53	20.32	10.40	0.21	5.32	26	0.40
	<i>Pinus banksiana</i>	3	7.62	12.19	5.44	0.04	2.18	49	0.27
	<i>Pinus banksiana</i>	4	7.62	15.24	10.50	0.12	3.07	26	0.31
	<i>Pinus banksiana</i>	4	10.16	11.68	3.08	0.03	2.53	87	0.29