

Tagged Tree Summary

Species	Common Name	# Individuals Sampled	DBH (cm) <i>Mean ± SD</i>	Height (m) <i>Mean ± SD</i>	Crown Diameter (m) <i>Mean ± SD</i>
<i>Abies balsamea</i> (L.) Mill.	Balsam Fir	10	20.2 ± 4.9	12.1 ± 4.6	3.6 ± 0.9
<i>Acer pensilvanicum</i> L.	Striped Maple	10	11.8 ± 4.1	11.4 ± 2.5	4.4 ± 0.9
<i>Acer rubrum</i> L.	Red Maple	10	19.2 ± 8.1	15.4 ± 3.7	4.9 ± 1.6
<i>Acer saccharum</i> Marshall	Sugar Maple	9	16.1 ± 6.6	13.3 ± 4.5	4.3 ± 0.9
<i>Acer spicatum</i> Lam.	Mountain Maple	5	6.1 ± 1.4	5.9 ± 1.4	3.1 ± 0.8
<i>Betula alleghaniensis</i> Britt.	Yellow Birch	10	22.1 ± 7.3	16.3 ± 1.8	5.6 ± 1.4
<i>Betula papyrifera</i> Marshall	Paper Birch	11	18.7 ± 3.9	12.0 ± 5.0	4.4 ± 1.1
<i>Betula populifolia</i> Marshall	Grey Birch	10	24.5 ± 9.3	15.8 ± 2.9	4.5 ± 1.9
<i>Fagus grandifolia</i> Ehrh.	American Beech	10	13.2 ± 3.6	11.6 ± 1.8	5.3 ± 1.1
<i>Fraxinus americana</i> L.	White Ash	5	12.7 ± 5.2	14.7 ± 2.6	3.9 ± 0.8
<i>Fraxinus nigra</i> Marshall	Black Ash	12	17.9 ± 6.3	16.6 ± 6.2	3.9 ± 1.1
<i>Larix laricina</i> (Du Roi) K. Koch	Tamarack	5	12.3 ± 7.5	7.5 ± 4.6	3.3 ± 0.9
<i>Picea abies</i> (L.) H. Karst. ¹	Norway Spruce	5	34.8 ± 8.4	15.6 ± 2.9	5.7 ± 0.9
<i>Picea glauca</i> (Moench) Voss	White Spruce	10	26.8 ± 10.9	13.4 ± 5.4	3.3 ± 1.3
<i>Picea rubens</i> Sarg.	Red Spruce	10	28.7 ± 8.4	15.8 ± 4.4	5.0 ± 1.4
<i>Populus balsamifera</i> L.	Balsam Poplar	10	26.1 ± 10.7	17.2 ± 6.0	4.7 ± 1.0
<i>Populus grandidentata</i> Michaux	Big-tooth Aspen	10	35.7 ± 13	23.7 ± 3.6	5.3 ± 1.4
<i>Populus tremuloides</i> Michx.	Trembling Aspen	10	23.5 ± 8.9	17.0 ± 5.0	4.8 ± 1.4
<i>Prunus pensylvanica</i> L.f.	Pin Cherry	6	17.4 ± 6.3	13.5 ± 4	4.0 ± 0.8
<i>Prunus serotina</i> Ehrh.	Black Cherry	6	22.2 ± 2.1	16.9 ± 1.4	4.0 ± 0.5
<i>Sorbus decora</i> C.K. Schneid ²	Showy Mountain-Ash	10	13.6 ± 8.6	6.8 ± 3.1	3.1 ± 1.1
<i>Thuja occidentalis</i> L.	Eastern White Cedar	10	40.1 ± 15.3	19.7 ± 10.7	5.1 ± 1.5
<i>Tsuga canadensis</i> (L.) Carrière	Eastern Hemlock	10	39.6 ± 16.8	19.2 ± 7.9	6.0 ± 1.0

¹ *Picea abies* is a non-native species originating from Europe, it is considered to have limited invasive capacity in Eastern Canada and individuals observed most likely were intentionally planted (Mottet et al. 2021).

² *Sorbus decora* closely resembles *S. americana* Marshall, which has a similar geographic range, and the two species are commonly confused (Jones 1939). Distinguishing these species is centered on differences in reproductive structures and timing, making correct identification in the field difficult (Hall 1998). Forest inventory surveys conducted across the Mégantic Massif by Marcotte and Grandter (1974) identified individuals as *S. americana*. In a subsequent survey, Hall (1998) observed both species, but most individuals were only identified to the genera. Of the *Sorbus* spp. individuals identified to the species level, *S. decora* was more common (Hall 1998).

References

- Hall, G. (1998) Inventaire floristique du Parc du Mont-Mégantic. Rapport préparé pour le ministère de l'Environnement et de la Faune du Québec Parc de conservation du Mont-Mégantic.
- Jones, G.N. (1939) A synopsis of the North American species of Sorbus. *Journal of the Arnold Arboretum*, **20**: 1-43.
- Marcotte, G., & Grandtner, M.M. (1974) Étude écologique de la végétation forestière du Mont Mégantic. Service de la recherche direction générale des forêts pour le ministère des Terres et Forêts.
- Mottet, M-J., Lambert, M-C., & DeBlois, J. (2021) Natural regeneration of Norway spruce, an introduced species, in and around plantations in Québec, Canada. *Forest Ecology and Management*, **498**: 119553.