

Table S3. Total harvested volume, mean aboveground live tree carbon and habitat suitability index (HSI) results of the 70-year simulation run for SM, SID and WSP stands ($n=5$ each) under three single-management scenarios. * No harvest was scheduled in No-management.

Stands	Management scenario	Value \pm SD		
		Harvested total volume (m ³ /ha)	Mean aboveground live carbon (Mg C/ha)	Mean HSI (sum of 3 sub-components)
Sugar maple-beech (SM)	No-management	0*	126.4 \pm 30.3	2.358 \pm 0.228
	Ecosystem	169.1 \pm 85.3	84.0 \pm 10.4	1.712 \pm 0.240
	Intensive	454.4 \pm 130.1	35.7 \pm 5.6	0.706 \pm 0.196
Shade-intolerant deciduous (SID)	No-management	0*	101.4 \pm 17.9	1.658 \pm 0.860
	Ecosystem	383.6 \pm 81.1	47.3 \pm 5.0	0.771 \pm 0.173
	Intensive	488.5 \pm 102.9	42.7 \pm 7.0	0.603 \pm 0.135
White spruce plantation (WSP)	No-management	0*	65.0 \pm 0.4	0.573 \pm 0.168
	Ecosystem	276.0 \pm 27.3	35.5 \pm 4.1	0.015 \pm 0.006
	Intensive	310.3 \pm 32.8	30.9 \pm 3.8	0.015 \pm 0.007