

Table S1. Mean volume of overstory tree species in the managed and unmanaged stands.

Species	Beginning of the study				Term-end of the study			
	Managed (n=25)		Unmanaged (n=33)		Unmanaged (n=25)		Unmanaged (n=33)	
	Average	(SD)	Average	(SD)	Average	(SD)	Average	(SD)
Volume of trees (m ³ /0.16ha)								
<i>Abies sachalinensis</i>	21.5	(13.4)	21.8	(10.4)	26.6	(16.5)	28.6	(11.9)
<i>Quercus crispula</i>	5.0	(4.5)	5.2	(5.1)	5.8	(3.4)	6.0	(5.5)
<i>Tilia japonica</i>	2.9	(2.3)	7.5	(5.7)	3.3	(2.3)	7.0	(5.0)
<i>Acer pictum</i>	3.9	(3.4)	3.0	(2.1)	3.6	(3.4)	3.0	(2.0)
<i>Betula ermanii</i>	4.7	(4.7)	1.2	(2.2)	4.2	(3.3)	1.3	(2.1)
<i>Kalopanax septemlobus</i>	0.6	(1.4)	0.6	(1.8)	1.1	(1.7)	0.9	(2.0)
<i>Alnus hirsuta</i>	1.0	(1.3)	0.3	(0.6)	1.0	(1.5)	0.4	(0.8)

Only those species that showed a volume of 1.0 m³ /0.16 h or greater in either stand were shown

Table S2. Mean coverage of dominant understory vascular plant species in the managed and unmanaged stands.

Species	Group	Managed (n=10)		Unmanaged (n=10)	
		Average	(SD)	Average	(SD)
Coverage					
<i>Sasa senanensis</i>	dwarf bamboo	61.2	(29.9)	72.4	(11.0)
<i>Sasa kurilensis</i>	dwarf bamboo	16.6	(22.3)	10.0	(15.9)
<i>Schizophragma hydrangeoides</i>	wine	3.0	(4.1)	2.3	(3.6)
<i>Viburnum furcatum</i>	shrub	2.9	(4.2)	1.4	(2.2)
<i>Toxicodendron orientale</i>	wine	2.9	(4.6)	1.1	(0.9)
<i>Hydrangea paniculata</i>	shrub	0.2	(0.5)	1.8	(5.6)
<i>Vitis coignetia</i>	wine	0.7	(1.7)	1.4	(4.1)
<i>Skimmia japonica</i> var. intermed	shrub	1.3	(3.1)	0.7	(0.9)
<i>Dryopteris crassirhizoma</i>	fern	1.3	(2.9)	0.0	0.0
<i>Cirsium kamtschaticum</i>	forb	0.0	(0.1)	1.3	(3.0)
<i>Abies sachalinensis</i>	tall tree	1.1	(2.4)	0.1	(0.4)
<i>Cimicifuga simplex</i>	herb	1.0	(1.7)	0.4	(0.5)

Only those species that showed a mean coverage of 1% or more in either stand were shown

Table S3. Occurrence frequency of avian species in the managed and unmanaged stands.

Species	Group	Managed	Unmanaged
Occurrence frequency			
<i>Phylloscopus coronatus</i>	trunk	46.0	70.0
<i>Horornis diphone</i>	understory	50.0	56.0
<i>Parus minor</i>	cavity/ trunk	16.0	48.0
<i>Sitta europaea</i>	cavity/ trunk	32.0	42.0
<i>Luscinia cyane</i>	understory	30.0	46.0
<i>Urosphena squameiceps</i>	understory	24.0	38.0
<i>Phylloscopus borealoides</i>	trunk	8.0	36.0
<i>Emberiza spodocephala</i>	understory	20.0	34.0
<i>Erithacus akahige</i>	understory	30.0	4.0
<i>Emberiza variabilis</i>	understory	18.0	8.0
<i>Dendrocopos major</i>	cavity/ trunk	16.0	8.0
<i>Periparus ater</i>	cavity/ trunk	4.0	16.0
<i>Dryocopus martius</i>	cavity/ trunk	2.0	14.0