

Table 1. Climate-chronological sequence of Holocene vegetation dynamics in southern Karelia (after Elina and Filimonova 2007)

Slices, yrs. B.P.	Climate relative to contemporary level		Periods	Dominant and co-dominant species	Subzone
	annual Δt°	Δ precipitation, mm/year			
9300	-6	-175	PB	<i>Betula pubescens</i> , <i>B. nana</i> + <i>Salix</i> sp.	FT
8900	-4	-150	BO ₁	<i>Betula pubescens</i> + <i>Pinus</i> , + <i>B. nana</i> + <i>Salix</i> sp.	FT
8300	-1 (-3)	-75	BO ₂	<i>Betula pubescens</i> + <i>Pinus</i> , + <i>B. nana</i> + <i>Salix</i> sp.	NT
8000	-2	-50	BO ₃	<i>Betula pubescens</i> + <i>Pinus</i>	MT
7000	+1	-25	AT ₁	<i>Pinus</i> + <i>Betula pubescens</i> , empirical boundary of <i>Picea</i>	MT
6000	0	175	AT ₂	<i>Pinus</i> + <i>Betula pubescens</i>	NT-ST
4700	+2.5	0	AT ₃	<i>Pinus</i> + <i>Picea</i> + <i>Betula</i> + broadleaved species	ST (SubT)
4300	0	+50	SB ₁	<i>Picea</i> + <i>Pinus</i> + broadleaved species	ST
3200	+2	+25 (+50)	SB ₂	<i>Picea</i> + <i>Pinus</i> + broadleaved species	ST
2500	+1	+50	SB ₃	<i>Picea</i> + <i>Pinus</i> (broadleaved species)	S(M)T
1800	+0,5	-50	SA ₁	<i>Picea</i> + (<i>Pinus</i>)	MT
800	+1	+25 (-25)	SA ₂	<i>Picea</i> + <i>Pinus</i>	MT
0	-1.5	-25	SA ₃	<i>Pinus</i> + <i>Picea</i>	MT

Note. *Periods*: PB – Preboreal, BO – Boreal, AT – Atlantic, SB – Sub-Boreal, SA – Sub-Atlantic.
Dominant species are in bold type. *Subzone*: FT – forest-tundra, NT – northern taiga, MT – middle taiga, ST – southern taiga, SubT – sub-taiga