

Shaw Mountain Ice Storm Study 1998-2002

Tree Vitality Analysis

Only trees alive at the time of the storm are used in the analysis.

Vitality classes v1, v2, v3, v4: 1=vigorous, 2=moderately vigorous, 3=weak, 4=dead.

Mortality: Number (m) and percent (%) of trees that were alive at the time of the ice storm (01-98) that have since died

Iced plots		Time interval start/stop					Mortality in 4.5 years	
		01-98	07-98	07-99	07-00	07-01	01-98	01-98
		07-98	07-99	07-00	07-01	07-02	07-02	07-02
species	n	m	m	m	m	m	sum	%
Acer	35	0	3	1	1	0	5	14.3
Betula	4	0	1	0	0	0	1	25
Carpinus	0	0	0	0	0	0	0	n.a.
Carya	3	0	0	0	0	0	0	0
Fraxinus	2	0	0	0	1	0	1	50
Ostrya	28	0	1	2	1	0	4	14.3
All species	72	0	5	3	3	0	11	15.3

Control plots		Time interval start/stop					Mortality in 4.5 years	
		01-98	07-98	07-99	07-00	07-01	01-98	01-98
		07-98	07-99	07-00	07-01	07-02	07-02	07-02
species	n	m	m	m	m	m	sum	%
Acer	54	0	1	0	0	0	1	1.85
Betula	0	0	0	0	0	0	0	n.a.
Carpinus	1	0	0	0	0	0	0	0
Carya	2	0	0	0	0	0	0	0
Fraxinus	5	0	0	0	0	0	0	0
Ostrya	41	0	0	0	0	0	0	0
All species	103	0	1	0	0	0	1	0.97