

How Reindeer Herders Cope with Harsh Winter Conditions in Northern Finland: Insights from an Interview Study

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APPENDIX

TABLE S1. Mean monthly temperature, the number of days with a minimum temperature below -10°C , and wind speeds for the period 1981–2010 (Pirinen et al., 2012). No wind speed values are available for Kemi and Ranua. See Figure 1 for location of the weather stations.

Month	Kemi		Rovaniemi			Ranua		Kuusamo			Mean values for the study area	
	Mean temp. ($^{\circ}\text{C}$)	No. of days $< -10^{\circ}\text{C}$	Mean temp. ($^{\circ}\text{C}$)	No. of days $< -10^{\circ}\text{C}$	Wind speed (ms^{-1})	Mean temp. ($^{\circ}\text{C}$)	No. of days $< -10^{\circ}\text{C}$	Mean temp. ($^{\circ}\text{C}$)	No. of days $< -10^{\circ}\text{C}$	Wind speed (ms^{-1})	Mean temp. ($^{\circ}\text{C}$)	No. of days $< -10^{\circ}\text{C}$
1	-10.8	21	-11.3	21	4.0	-11.9	21	-12.8	22	2.3	-11.7	21
2	-10.4	19	-10.8	19	4.0	-11.0	19	-12.0	20	2.4	-11.1	19
3	-5.9	15	-6.1	13	4.2	-6.2	15	-7.2	16	2.7	-6.4	15
4	0.2	4	-0.2	3	3.9	0	5	-1.3	8	2.7	-0.3	5
5	6.6	0	6.3	–	4.0	6.6	0	5.3	0	2.7	6.2	0
6	12.5	–	12.2	–	3.8	12.5	–	11.6	–	2.7	12.2	0
7	15.8	–	15.2	–	3.7	15.3	–	14.6	–	2.6	15.2	0
8	13.3	–	12.5	–	3.5	12.6	–	11.7	–	2.4	12.5	0
9	8.1	–	7.1	–	3.7	7.2	0	6.5	0	2.6	7.2	0
10	2.4	2	0.8	2	4.0	1.3	2	0.6	3	2.9	1.3	2
11	-3.7	9	-5.5	10	3.9	-5.0	10	-5.9	11	2.6	-5.0	10
12	-8.5	18	-9.4	18	4.0	-9.4	18	-10.4	19	2.3	-9.4	9
Annual mean	1.6	sum 88	mean 0.9	sum 86	mean 3.9	mean 1.0	sum 90	mean 0.1	sum 99	mean 2.6	0.9	81

TABLE S2. Interviewed herders from the six herding districts in northern Finland.

Herding district	Pyhäkallio	Poikajärvi	Palojärvi	Niemelä	Isosydänmaa	Oivanki	Total
Total number of herders interviewed	6 (H1–H6)	5 (H7–H11)	4 (H12–H15)	2 (H16–H17)	1 (H18)	4 (H19–H22)	22
% of total interviewed herders (%)	27.3	22.7	18.2	9.1	4.5	18.2	100
Number of male herders interviewed	5	1	4	2	1	3	16
% of total interviewed male herders	31.3	6.3	25.0	12.5	6.3	18.8	100.2
Number of female herders interviewed	1	4	0	0	0	1	6
% of total interviewed female herders	16.7	66.7	0	0	0	16.7	100.1
Age range	37–64	21–54	51–60	44–55	39	35–63	21–64
Mean age	44	31	56	50	39	45	44

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