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Long-Term Trends in Ecological Systems: A Basis for Understanding Responses to Global Change



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Long-Term Trends in Ecological Systems:

Appendix 11. Annual average (standard error) chloride from various sources at sites with data

(Sites are grouped by ecosystem type. See Appendix 27 for length of record for each station at a site.)

Site code	Precipitation (concentration) <i>mg/L</i>	Wet deposition <i>kg/ha</i>	Lake <i>mg/L</i>	Stream <i>mg/L</i>
Alpine and arctic				
ARC	0.34 (0.17)			
GLA	0.08 (0.01)*	0.98 (0.09)*		
LVW	0.07 (0.01)*	0.72 (0.08)*		0.2 (0.01)*
MCM			707.6 (61.04)*	
NWT	0.08 (0.01)*	1.38 (0.12)	0.1 (0.01)	
Aridlands				
JRN	0.56 (0.07)	0.02 (0.002)		
RCE	0.10 (0.01)*	0.26 (0.03)*		
WGE	0.12 (0.01)*	0.45 (0.07)		
Coastal				
FCE	0.93 (0.04)	13.62 (0.72)		
PIE	0.61 (0.03)*	6.75 (0.38)		
VCR	3.51 (0.54)	42.19 (6.26)		
Eastern forests				
BEN	0.09 (0.01)	1.52 (0.12)		
CRO	0.25 (0.01)	3.40 (0.19)		
CWT	0.17 (0.01)	2.97 (0.17)*		
FER	0.11 (0.01)*	1.46 (0.08)*		0.5 (0.01)*
HBR	0.16 (0.01)*	1.97 (0.15)		0.5 (0.01)*
HFR	0.23 (0.01)	2.90 (0.19)		
LUQ	2.71 (0.10)	85.16 (4.92)		8.5 (0.11)
MAR	0.07 (0.01)*	0.51 (0.04)*		
NTL	0.07 (0.01)*	0.54 (0.05)*	4.7 (0.29)*	
SAN	0.40 (0.02)	4.56 (0.32)		
TAL	0.24 (0.01)	3.41 (0.17)		
WBW	0.19 (0.01)*	2.54 (0.12)		0.9 (0.03)
Temperate grasslands and savannas				
CDR	0.07 (0.003)	0.50 (0.04)		
GRL	0.18 (0.01)	1.66 (0.13)*		
KBS	0.14 (0.02)	1.29 (0.22)		11.2 (0.13)
KNZ	0.11 (0.004)*	0.92 (0.05)		
SGS	0.09 (0.01)*	0.30 (0.02)*		
Urban				
BES	0.40 (0.03)*	4.16 (0.23)		119.3 (12.20)
CAP	0.89 (0.14)	1.24 (0.20)		386.6 (29.70)

Appendix 11. Annual average (standard error) chloride from various sources at sites with data—*Continued*

Site code	Precipitation (concentration) <i>mg/L</i>	Wet deposition <i>kg/ha</i>	Lake <i>mg/L</i>	Stream <i>mg/L</i>
Western forests				
AND	0.31 (0.01)	6.88 (0.43)		1.0 (0.04)
BLA	0.05 (0.003)	0.42 (0.04)*		
BNZ	0.04 (0.003)*	0.16 (0.03)*		
CSP	0.58 (0.04)	5.54 (0.60)		
FRA	0.08 (0.01)*	1.38 (0.12)		
PRI	0.05 (0.003)	0.38 (0.03)		

* indicates significant slopes ($p < 0.05$) for regression of each variable against time.