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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 13. Annual average (standard error) calcium 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)	Wet deposition	Lake	Stream
	<i>mg/L</i>	<i>kg/ha</i>	<i>mg/L</i>	<i>mg/L</i>
Alpine and arctic				
ARC	0.19 (0.07)			
GLA	0.20 (0.02)	2.4 (0.21)*		
LVW	0.19 (0.02)	1.8 (0.17)		2 (0.04)*
MCM			79 (3.8)	
NWT	0.20 (0.01)	3.6 (0.37)*	4 (0.2)*	
Aridlands				
JRN	1.36 (0.18)*	0.1 (0.01)		
RCE	0.14 (0.01)*	0.3 (0.03)*		
WGE	0.24 (0.02)	0.8 (0.10)		
Coastal				
FCE	0.13 (0.01)*	1.9 (0.10)		
PIE	0.08 (0.01)	0.8 (0.06)		
VCR	0.16 (0.02)	1.9 (0.22)		
Eastern forests				
BEN	0.04 (0.002)*	0.7 (0.05)*		
CRO	0.11 (0.01)	1.5 (0.08)		
CWT	0.06 (0.004)	1.0 (0.06)*		
FER	0.15 (0.01)*	1.9 (0.13)*		2 (0.03)
HBR	0.06 (0.004)*	0.7 (0.05)*		1 (0.04)*
HFR	0.06 (0.003)	0.7 (0.04)		
LUQ	0.14 (0.005)	4.4 (0.23)		4 (0.13)*
MAR	0.20 (0.01)	1.5 (0.06)*		
NTL	0.19 (0.01)	1.5 (0.08)*	10 (0.2)*	
SAN	0.09 (0.004)	1.0 (0.05)		
TAL	0.09 (0.01)*	1.3 (0.08)*		
WBW	0.11 (0.01)	1.5 (0.06)		24 (0.57)
Temperate grasslands and savannas				
CDR	0.31 (0.02)	2.3 (0.23)		
GRL	0.31 (0.02)	2.7 (0.15)		
KBS	0.22 (0.01)*	2.0 (0.09)*		70 (0.21)
KNZ	0.36 (0.01)	3.0 (0.14)*		
SGS	0.28 (0.02)	0.9 (0.06)		

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Appendix 13. Annual average (standard error) calcium from various sources at sites with data—*Continued*

Site code	Precipitation (concentration)	Wet deposition	Lake	Stream
	<i>mg/L</i>	<i>kg/ha</i>	<i>mg/L</i>	<i>mg/L</i>
Urban				
BES	0.08 (0.004)*	0.8 (0.03)	--	--
CAP	1.04 (0.13)	--	--	58 (3.42)
Western forests				
AND	0.03 (0.001)*	0.6 (0.04)	--	3 (0.04)
BLA	0.03 (0.002)	0.2 (0.03)	--	--
BNZ	0.03 (0.002)*	0.1 (0.01)	--	--
CSP	0.03 (0.002)*	0.3 (0.03)	--	--
FRA	0.20 (0.01)	3.6 (0.37)*	--	--
PRI	0.06 (0.004)	0.4 (0.02)	--	--

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