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Long-Term Trends in Ecological Systems:

A Basis for Understanding Responses to Global Change

Contents

Appendix 5. Annual average (standard error) nitrogen (as nitrate) 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) *mg/L*	Wet deposition *kg/ha*	Coastal water *μM/L*	Lake *mg/L*	Stream *mg/L*
Alpine and arctic					
ARC	0.06 (0.02)	0.17 (0.01)			0.03 (0.01)*
GLA	0.17 (0.01)	2.00 (0.11)			
LVW	0.17 (0.01)*	1.73 (0.06)			0.28 (0.02)*
MCM				0.14 (0.01)	
NWT	0.21 (0.01)*	3.70 (0.27)*		0.21 (0.01)*	
Aridlands					
JRN	0.42 (0.04)	0.03 (0.002)			
RCE	0.12 (0.01)	0.29 (0.02)			
WGE	0.24 (0.01)	0.85 (0.09)			
Coastal					
CCE			0.2 (0.02)		
FCE	0.12 (0.004)	1.75 (0.08)*	0.3 (0.05)*		
PAL			4.4 (0.15)		
PIE	0.24 (0.01)*	2.64 (0.08)			0.02 (0.001)
SBC			0.4 (0.11)		
VCR	0.23 (0.02)	2.69 (0.19)	0.8 (0.16)		
Eastern forests					
BEN	0.13 (0.01)	2.12 (0.16)			
CRO	0.17 (0.01)	2.33 (0.07)			
CWT	0.15 (0.004)*	2.59 (0.08)*			
FER	0.33 (0.01)*	4.19 (0.18)*			0.78 (0.02)*
HBR	0.28 (0.01)*	3.33 (0.11)*			0.16 (0.02)*
HFR	0.28 (0.01)*	3.46 (0.14)			
LUQ	0.06 (0.004)	1.91 (0.13)			0.14 (0.01)
MAR	0.23 (0.01)*	1.76 (0.05)*			
NTL	0.25 (0.01)*	1.97 (0.09)*		0.01 (0.001)	

Appendix 5. Annual average (standard error) nitrogen (as nitrate) from various sources at sites with data—*Continued*

Site code	Precipitation (concentration) *mg/L*	Wet deposition *kg/ha*	Coastal water *μM/L*	Lake *mg/L*	Stream *mg/L*
SAN	0.17 (0.01)	1.95 (0.08)			
TAL	0.17 (0.01)	2.38 (0.10)			
WBW	0.23 (0.01)*	2.96 (0.10)			0.02 (0.001)
Temperate grasslands and savannas					
CDR	0.29 (0.01)	2.13 (0.18)			
GRL	0.23 (0.01)	2.09 (0.06)			
KBS	0.40 (0.01)*	3.62 (0.14)*			1.11 (0.02)
KNZ	0.28 (0.01)	2.38 (0.08)			0.002 (0.0002)*
SGS	0.32 (0.01)	1.03 (0.05)			
Urban					
BES	0.29 (0.01)*	3.33 (0.16)*			1.98 (0.08)*
CAP	0.66 (0.07)	0.76 (0.15)			0.02 (0.01)*
Western forests					
AND	0.03 (0.001)	0.62 (0.02)			0.001 (0.0001)
BLA	0.06 (0.01)*	0.46 (0.03)			
BNZ	0.03 (0.002)	0.11 (0.01)			
CSP	0.05 (0.003)*	0.47 (0.04)			
FRA	0.21 (0.01)*	3.70 (0.27)*			
PRI	0.09 (0.01)	0.69 (0.05)			

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