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



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Appendix 3. Average (standard error) ice duration, sea level, streamflow, water clarity, and water temperature for sites with data

(Sites are grouped by ecosystem type. See Appendix 26 for length of record for each station at a site.)

Site code	Ice duration <i>days/year</i>	Sea level ¹ <i>m</i>	Streamflow <i>L/s</i>	Water clarity <i>m</i>	Water temperature <i>°C</i>
Alpine and arctic					
ARC	260 (2)		2827.7 (211.5)	4.6 (0.15)	11.0 (0.3)
LVW			165.5 (6.9)		3.7 (0.1)
MCM			749.3 (133.3)		4.0 (0.4)
NWT	267 (4)		166.7 (6.6)		
Aridlands					
RCE			549.6 (69.0)		
WGE			14.1 (1.9)		
Coastal					
CCE		-0.08 (0.01)*		14.2 (0.36)*	17.1 (0.1)*
FCE		-0.07 (0.01)*	3108.0 (549.7)*	1.6 (0.09)	26.2 (0.1)*
GCE		-0.07 (0.01)*	377247.3 (15712.8)		21.4 (0.2)
MCR		-0.001 (0.01)*			
PAL	215(10)				
PIE		-0.06 (0.01)*	1089.9 (42.2)		
SBC		-0.03 (0.004)*	122.2 (26.3)		15.9 (0.1)*
VCR		-0.13 (0.01)*		0.7 (0.04)	
Eastern forests					
BEN			47849.9 (1582.6)		
CWT			4.0 (0.1)		
FER			5.9 (0.2)		
HBR	132 (2)*		3.8 (0.1)		
LUQ		-0.01 (0.01)*	1573.7 (61.0)		
MAR			0.5 (0.03)		
NTL	104 (2)*		141.6 (8.8)*	6.3 (0.13)	13.8 (0.1)*
SAN			41.4 (7.8)*		
WBW			11.4 (0.7)		

Appendix 3. Average (standard error) ice duration, sea level, streamflow, water clarity, and water temperature for sites with data—Continued

Site code	Ice duration <i>days/year</i>	Sea level ¹ <i>m</i>	Streamflow <i>L/s</i>	Water clarity <i>m</i>	Water temperature <i>°C</i>
Temperate grasslands and savannas					
GSW			2.9 (0.3)		
KBS	73 (3)		25620.4 (773.0)*		
KNZ			64.7 (10.1)		
Urban					
BES		-0.11 (0.01)*	1160.6 (68.6)		
CAP			27654.4 (2442.5)		
Western forests					
AND			25.7 (0.9)		5.9 (0.1)
BNZ			43.9 (3.0)		
CSP			77.7 (8.5)		10.7 (0.2)
FRA			56.6 (3.1)		
PRI			48302.2 (1487.0)		

¹Annual mean sea level is defined as the annual arithmetic means of hourly heights relative to the National Tidal Datum Epoch (i.e., the most recent mean sea level datum established by CO-OPS—currently the mean sea level 1983-2001).

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