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



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**Appendix 2. Average (standard error) maximum, mean, and minimum air temperature and annual precipitation at each site—Continued**

Site code	Air temperature			Precipitation
	Maximum	Mean	Minimum	
	°C			cm
SAN	25.2(0.1)*	18.4(0.1)	11.5(0.1)*	138.25(6.9)
TAL	22.8(0.1)	16.5(0.1)*	10.3(0.1)*	139.96(3.0)*
WBW	20.6(0.1)*	14.4(0.1)*	8.2(0.1)	139.19(3.4)
<b>Temperate grasslands and savannas</b>				
CDR	11.6(0.1)	5.7(0.1)	-0.2(0.1)	69.36(1.1)*
FTK	14.6(0.2)	7.8(0.1)*	1.0(0.1)*	34.05(1.1)
GRL	22.5(0.1)*	15.7(0.1)	8.8(0.1)*	77.01(2.2)*
GSW	25.5(0.2)	19.5(0.1)	13.4(0.1)	90.68(3.0)*
KBS	15.2(0.1)*	9.5(0.1)*	3.8(0.1)*	91.39(2.0)*
KNZ	19.7(0.1)	13.0(0.1)	6.3(0.1)	84.74(2.0)
SGS	17.3(0.2)	9.1(0.1)*	0.8(0.2)*	32.28(1.1)
SPR	22.9(0.1)	15.3(0.1)	7.6(0.1)*	63.30(1.8)
<b>Urban</b>				
BES	18.5(0.1)*	13.1(0.1)	7.7(0.1)	104.66(2.3)
CAP	31.0(0.1)*	21.2(0.1)*	11.3(0.1)*	19.32(0.9)
<b>Western forests</b>				
AND	14.3(0.1)	9.3(0.1)	4.4(0.1)	225.62(5.8)
BLA				
BNZ	3.4(0.4)	-1.3(0.4)	-5.6(0.4)	
CHE	15.0(0.1)*	10.5(0.1)*	5.9(0.1)*	247.19(5.1)
CSP	15.9(0.1)	11.5(0.1)	7.1(0.1)	102.15(3.1)
FRA	13.1(0.2)	6.1(0.1)	-0.9(0.1)*	41.89(1.4)
PRI	13.4(0.1)	6.7(0.1)*	0.1(0.1)*	78.91(1.4)
WIN	15.3(0.1)*	9.0(0.1)	2.6(0.1)*	239.31(6.8)

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

**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 <sup>1</sup> <i>m</i>	Streamflow <i>L/s</i>	Water clarity <i>m</i>	Water temperature <i>°C</i>
<b>Alpine and arctic</b>					
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)		
<b>Aridlands</b>					
RCE			549.6 (69.0)		
WGE			14.1 (1.9)		
<b>Coastal</b>					
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)	
<b>Eastern forests</b>					
BEN			47849.9 (1582.6)		
CWT			4.0 (0.1)		
FER			5.9 (0.2)		
HBR			3.8 (0.1)		
LUQ	132 (2)*		1573.7 (61.0)		
MAR		-0.01 (0.01)*	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)		