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



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Appendix 18. Average (standard error) aquatic production at sites with data

(Multiple stations are given if possible. Sites are grouped by ecosystem type. See Appendix 28 for length of record for each station.)

Site code	Variable	Station	Aquatic production
Alpine and arctic			
ARC	Chlorophyll a (mg/m ²)	Fertilized reach of Kuparuk River	13 (4)
		Reference reach of Kuparuk River	3 (0.4)
	Chlorophyll a (µg/L)	Toolik Lake	1 (0.1)
MCM	Primary production (g carbon/m ² /yr)	East Lake Bonney	5 (0.3)
		West Lake Bonney	8 (1)
Coastal			
CCE	Chlorophyll a (µg/L)	Ohman Region: subset of CalCOFI stations inshore and nearshore in the Southern California Bight region; CalCOFI lines 80-93, stations from shore offshore to station 70	1 (0.1)*
	Primary production (g carbon/m ² /yr)	Ohman Region: subset of CalCOFI stations inshore and nearshore in the Southern California Bight region; CalCOFI lines 80-93, stations from shore offshore to station 70	363 (4)
FCE	Net primary production (g carbon/m ² /yr)	Shark River Slough sites 1, 2, and 3, Epiphyton substrate	40 (11)
		Shark River Slough sites 1, 2, and 3, Mat substrate	72 (25)
		Shark River Slough sites 1, 2, and 3, Periphyton substrate	49 (15)
MCR	Chlorophyll a (µg/L)	SeaWiFS data for Moorea Coral Reef Vicinity, area for chlorophyll and SST data	21 (1)
PAL	Chlorophyll a (mg/m ²)	Palmer Station B	123 (24)
	Primary production (g carbon/m ² /yr)	Palmer Station	169 (21)
Eastern forests			
NTL	Primary production, hypsometrically weighted (g carbon/m ² /yr)	Crystal Lake, epilimnion	30 (3)
		Sparkling Lake, epilimnion	32 (3)
		Trout Lake, epilimnion	45 (4)

* Linear regression of the variable against time is significant ($p < 0.05$) and the trend appears linear.