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**Spencer R. Hall, Val H. Smith, David A. Lytle, and Mathew A. Leibold. 2005. Constraints on primary producer N:P stoichiometry along N:P supply ratio gradients. *Ecology* 86:1894–1904.**

Appendix A. Details of the literature data set.

Table A1. Description of sources of literature data presented in Fig. 3.

Data set	No. <sup>†</sup>	Reference <sup>‡</sup>	Method <sup>§</sup>	Supply <sup>  </sup>	Species <sup>¶</sup>
Lakes	1	Stockner and Shortreed 1985	Obs.	Indirect	Lake assemblage
	2	Shortreed and Stockner 1986	Obs.	Indirect	Lake assemblage
	3	Healey and Hendzel 1980	Obs.	Indirect	Lake assemblage
	4	Sterner et al. 1995	Obs.	Indirect	Lake assemblage
	5	Suttle and Harrison 1985	Obs.	Indirect	Lake assemblage
Mesocosms	6	Levine and Schindler 1992	Expt. (O)	Direct	Lake assemblage
	7	Levine and Schindler 1997	Expt. (O)	Direct	Lake assemblage
	8	V. H. Smith et al. <i>unpublished data</i>	Expt. (O)	Direct	Pond assemblage
Algal Cultures	9	Saksaug et al. 1983	Cult.	Direct	<i>Emiliana huxleyi</i> , <i>Amphidinium carterae</i>
	10	Elrifi and Turpin 1985	Cult.	Direct	<i>Selenastrum minutum</i>
	11	Rhee and Lederman 1991	Cult.	Direct	<i>Anabaena flos-aquae</i>
	12	Rhee 1978	Cult.	Direct	<i>Scenedesmus</i> sp.
	13	Liu et al. 2000	Cult.	Direct	<i>Aureoumbra lagunensis</i>
	14	Reigmann et al. 2000	Cult.	Direct	<i>Emiliana huxleyi</i>
Periphyton	15	Hillebrand and Kahlert 2001	Expt. (O)	Indirect	Lake assemblage
	16	Stelzer and Lamberti 2002	Expt. (O)	Direct	Stream assemblage
	17	Stelzer and Lamberti 2001	Expt. (O)	Direct	Stream assemblage
Terrestrial and Wetland	18	Shaver and Melillo 1984	Expt. (L)	Direct	<i>Carex lacustris</i> , <i>Calamagrostis canadensis</i> , <i>Typha latifolia</i>
Plants	19	Güsewell <i>in press</i>	Expt. (O)	Direct	<i>Carex flava</i> , <i>C. panicea</i> , <i>Molinia caerulea</i> , <i>Phalaris arundinacea</i>
	20	Ryser and Lambers 1995	Expt. (O)	Direct	<i>Brachypodium pinnatum</i> , <i>Dactylis glomerata</i>
Marine	21	Doering et al. 1995	Obs.	Indirect	Marine assemblage
	22	Plum Island LTER ( <i>public comm.</i> )	Obs.	Indirect	Marine assemblage
	23	US EPA EMAP ( <i>public comm.</i> ), MD and DE data sets	Obs.	Indirect	Marine assemblage
	24	US EPA EMAP ( <i>public comm.</i> ), MAIA data set	Obs.	Indirect	Marine assemblage

<sup>†</sup> Data set number corresponds to that on Fig. 3.

<sup>‡</sup> References not included in the manuscript are listed below.

<sup>§</sup> Method by which data were collected: "Obs." = observations from natural systems; "Expt. (O)" = outdoors experiment; "Expt (L)" = laboratory experiment; "Cult." = continuous chemostat culture.

<sup>||</sup> Nature of nutrient supply. "Indirect" = approximating using ratio of total nitrogen:total phosphorus; "Direct" = directly controlled.

<sup>¶</sup> Identity of species if from a single-species culture or experiment; assemblage indicated that multiple species aggregated.

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