

# Supporting Information: Data Set for Figure 1 in Main Text and Figure S1

| reference  | community type                          | ecosystem type | PB (gC m-2) | NPP (gC m-2 y-1) | H (gC m-2 y-1) | %NPP consumed | HB (gC m-2) | Nbiomass (%L) | Pbiomass (%DW) |
|--|---|----------------|-------------|------------------|----------------|---------------|-------------|---------------|----------------|
| Arndt et al. 1993, Behrendt 1990                 | communities of freshwater phytoplankton | aquatic        | .           | 204.400000       | 153.300000     | 75.000000     | .           | 6.300000      | .              |
| Cloern et al. 1987                               | communities of freshwater phytoplankton | aquatic        | 3.625000    | 1976.110000      | 1758.935000    | 89.009974     | .           | .             | .              |
| Coveney et al. 1977                              | communities of freshwater phytoplankton | aquatic        | 5.080000    | 331.785000       | 84.680000      | 25.522552     | 2.16        | .             | .              |
| Cushing 1976                                     | communities of freshwater phytoplankton | aquatic        | 1.811000    | 275.575000       | 124.465000     | 45.165563     | .           | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 75.10768486      | .              | .             | 0.112413814 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 65.90231627      | .              | .             | 0.60988213  | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 93.39505225      | .              | .             | 1.062256787 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 59.52995878      | .              | .             | 0.121687484 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | 25.510000   | 1813.33          | .              | .             | 1.8         | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | 3.920000    | 724.3277317      | .              | .             | 10.30658424 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 438.7976336      | .              | .             | 2.346884996 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 146.525144       | .              | .             | 0.456054138 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 171.9152696      | .              | .             | 0.794328247 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 258.2110605      | .              | .             | 0.315036347 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 448.4646609      | .              | .             | 0.56340368  | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 355.4507481      | .              | .             | 1.149888535 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 296.42388        | .              | .             | 1.180677137 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 441.996598       | .              | .             | 1.03455624  | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 277.6651276      | .              | .             | 0.773614492 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 260.0934954      | .              | .             | 0.660194859 | .             | .              |
| Cyr and Pace 1993                                | communities of freshwater phytoplankton | aquatic        | .           | 236.6568305      | .              | .             | 0.626211903 | .             | .              |
| Garnier and Morel et al. 1991                    | communities of freshwater phytoplankton | aquatic        | 1.408000    | 169.360000       | 113.150000     | 66.810345     | 0.534402966 | .             | .              |
| Gliwicz and Hillbricht-Ilkowska 1972             | communities of freshwater phytoplankton | aquatic        | 0.140000    | 121.545000       | 48.180000      | 39.639640     | .           | .             | .              |
| Gliwicz and Hillbricht-Ilkowska 1972             | communities of freshwater phytoplankton | aquatic        | 0.107000    | 123.005000       | 28.214500      | 22.937685     | .           | .             | .              |
| Gliwicz and Hillbricht-Ilkowska 1972             | communities of freshwater phytoplankton | aquatic        | 0.361000    | 190.895000       | 158.775000     | 83.173996     | .           | .             | .              |
| Gulati 1975                                      | communities of freshwater phytoplankton | aquatic        | 4.800000    | 146.000000       | 124.100000     | 85.000000     | .           | .             | .              |
| Gulati 1975                                      | communities of freshwater phytoplankton | aquatic        | 8.000000    | 547.500000       | 354.050000     | 64.666667     | .           | .             | .              |
| Gulati 1984                                      | communities of freshwater phytoplankton | aquatic        | 4.700000    | 867.250000       | .              | .             | 0.760000    | .             | .              |
| Jensen and Schwaerter 1988                       | communities of freshwater phytoplankton | aquatic        | 7.600000    | 840.960000       | 262.800000     | 31.250000     | .           | .             | .              |
| Jespersen et al. 1988                            | communities of freshwater phytoplankton | aquatic        | 6.900000    | 218.635000       | 102.930000     | 47.078464     | 2           | 4.6           | 0.34           |
| Jewson et al. 1981                               | communities of freshwater phytoplankton | aquatic        | 7.000000    | 186.515000       | 73.000000      | 39.138943     | .           | .             | .              |
| Lampert 1978                                     | communities of freshwater phytoplankton | aquatic        | 2.469600    | 379.600000       | 343.100000     | 90.384615     | .           | .             | .              |
| Nakanishi et al. 1992                            | communities of freshwater phytoplankton | aquatic        | 1.733000    | 430.700000       | 231.045000     | 53.644068     | 1.0167      | 5.76          | 0.37           |
| Tilzer 1984                                      | communities of freshwater phytoplankton | aquatic        | 1.447000    | 296.380000       | 222.650000     | 75.123153     | .           | .             | .              |
| Urabe et al. 1995                                | communities of freshwater phytoplankton | aquatic        | .           | 294.190000       | 220.640000     | 74.999150     | .           | 4.910000      | 0.314000       |
| Vadstein et al. 1989                             | communities of freshwater phytoplankton | aquatic        | 4.305000    | 208.415000       | 117.530000     | 56.392294     | .           | .             | .              |
| Weisse et al. 1990                               | communities of freshwater phytoplankton | aquatic        | 5.660000    | 448.950000       | 212.065000     | 47.235772     | 1.1788      | 6.63          | 0.3            |
| Baird and Ulanowicz 1989                         | communities of marine phytoplankton     | aquatic        | 3.500000    | 337.179700       | 73.000000      | 21.650176     | 1.062       | 7.04          | 0.79           |
| Baird and Ulanowicz 1993                         | communities of marine phytoplankton     | aquatic        | 0.413000    | 11.553710        | 7.665000       | 66.342326     | 0.0841      | 5.98          | 0.81           |
| Baird and Ulanowicz 1993                         | communities of marine phytoplankton     | aquatic        | 2.650000    | 37.726400        | 17.885000      | 47.407121     | 1.8045      | 5.3           | 0.86           |
| Baird and Ulanowicz 1993                         | communities of marine phytoplankton     | aquatic        | 3.730000    | 120.252900       | 94.900000      | 78.917016     | 8.7189      | 5.49          | 0.81           |
| Baird and Ulanowicz 1993                         | communities of marine phytoplankton     | aquatic        | 0.750000    | 103.747600       | 19.710000      | 18.998030     | 1.7398      | 7.25          | 0.81           |
| Baird and Ulanowicz 1993 (phytoplankton average) | communities of marine phytoplankton     | aquatic        | .           | .                | .              | .             | .           | 5.490000      | 0.810000       |
| Bienfag and Ziemann 1992                         | communities of marine phytoplankton     | aquatic        | .           | 30.652700        | .              | .             | .           | .             | .              |
| Bienfag and Ziemann 1992                         | communities of marine phytoplankton     | aquatic        | .           | 120.252900       | .              | .             | .           | .             | .              |
| Bishop et al. 1977                               | communities of marine phytoplankton     | aquatic        | 0.800000    | 54.750000        | .              | .             | .           | 5.800000      | 0.700000       |
| Brown et al. 1991                                | communities of marine phytoplankton     | aquatic        | 8.250000    | 1266.032000      | .              | .             | 4.150000    | .             | .              |
| Chavez et al. 1991                               | communities of marine phytoplankton     | aquatic        | .           | 426.779900       | 248.200000     | 58.156441     | .           | .             | .              |
| Durbin et al. 1975                               | communities of marine phytoplankton     | aquatic        | 2.400691    | 507.350000       | 337.387750     | 66.500000     | .           | 5.800000      | .              |
| Frost 1991                                       | communities of marine phytoplankton     | aquatic        | 1.010000    | 200.421500       | 160.600000     | 80.131124     | .           | .             | .              |
| Garber 1984                                      | communities of marine phytoplankton     | aquatic        | .           | 308.000000       | .              | .             | .           | .             | .              |
| Harrison et al. 1993                             | communities of marine phytoplankton     | aquatic        | .           | 0.400843         | 0.302950       | 75.578219     | .           | .             | .              |
| Holligan et al. 1984                             | communities of marine phytoplankton     | aquatic        | 7.000000    | 532.885400       | .              | .             | .           | .             | .              |
| Holligan et al. 1984                             | communities of marine phytoplankton     | aquatic        | 0.800000    | 122.610800       | .              | .             | .           | .             | .              |
| Holligan et al. 1984                             | communities of marine phytoplankton     | aquatic        | 30.000000   | 530.527500       | .              | .             | .           | .             | .              |
| Holligan et al. 1993                             | communities of marine phytoplankton     | aquatic        | .           | 42.442200        | .              | .             | .           | .             | .              |
| Holligan et al. 1993                             | communities of marine phytoplankton     | aquatic        | .           | 87.242300        | .              | .             | .           | .             | .              |
| Holligan et al. 1993                             | communities of marine phytoplankton     | aquatic        | .           | 54.231700        | 5.000500       | 9.220622      | .           | .             | .              |
| Holligan et al. 1993                             | communities of marine phytoplankton     | aquatic        | .           | 73.094900        | .              | .             | .           | .             | .              |
| Iriarte et al. 1991                              | communities of marine phytoplankton     | aquatic        | 9.100000    | 1322.781900      | .              | .             | .           | 5.590000      | 0.760000       |
| Jansson et al. 1984                              | communities of marine phytoplankton     | aquatic        | 1.706048    | 201.721000       | .              | .             | 0.393635    | .             | .              |
| Jensen et al. 1990                               | communities of marine phytoplankton     | aquatic        | .           | 1157.728900      | .              | .             | .           | 5.490000      | 0.810000       |
| Johnson et al. 1981                              | communities of marine phytoplankton     | aquatic        | .           | 2315.457800      | .              | .             | .           | 5.590000      | 0.760000       |
| Johnson et al. 1981                              | communities of marine phytoplankton     | aquatic        | .           | 2723.374500      | .              | .             | .           | .             | .              |
| Johnson et al. 1981                              | communities of marine phytoplankton     | aquatic        | .           | 3671.250300      | .              | .             | .           | .             | .              |
| Joiris et al. 1982                               | communities of marine phytoplankton     | aquatic        | 4.600000    | 516.380100       | 80.300000      | 15.550561     | .           | .             | .              |
| Kamiyama 1994                                    | communities of marine phytoplankton     | aquatic        | .           | 1971.204400      | 295.650000     | 14.998445     | .           | .             | .              |
| Kemp and Boynton 1980                            | communities of marine phytoplankton     | aquatic        | .           | 690.864700       | .              | .             | .           | .             | .              |
| Kemp and Boynton 1980                            | communities of marine phytoplankton     | aquatic        | .           | 530.527500       | .              | .             | .           | .             | .              |
| Kenney et al. 1988                               | communities of marine phytoplankton     | aquatic        | .           | 162.695100       | .              | .             | .           | .             | .              |
| King et al. 1978                                 | communities of marine phytoplankton     | aquatic        | .           | 75.452800        | .              | .             | .           | .             | .              |

|                                  |                                     |         |           |             |            |            |          |          |          |
|----------------------------------|-------------------------------------|---------|-----------|-------------|------------|------------|----------|----------|----------|
| Knauer et al. 1979               | communities of marine phytoplankton | aquatic | 3.200000  | 73.000000   | .          | .          | .        | 4.660000 | 0.592000 |
| Kruse 1993                       | communities of marine phytoplankton | aquatic | .         | 400.843000  | .          | .          | .        | .        | .        |
| Kuparinen 1986                   | communities of marine phytoplankton | aquatic | .         | 141.474000  | .          | .          | .        | .        | .        |
| Lawes et al. 1988                | communities of marine phytoplankton | aquatic | 11.200000 | 742.738500  | 430.700000 | 57.988108  | .        | .        | .        |
| LeBorone et al. 1989             | communities of marine phytoplankton | aquatic | .         | 160.600000  | 158.990000 | 98.997509  | .        | 4.870000 | 0.967700 |
| LeBorone et al. 1997             | communities of marine phytoplankton | aquatic | .         | 164.615000  | 27.370000  | 16.626674  | .        | 3.230000 | 0.326000 |
| Lenz et al. 1993                 | communities of marine phytoplankton | aquatic | .         | 80.168600   | 80.168600  | 100.000000 | .        | .        | .        |
| Lenz et al. 1993                 | communities of marine phytoplankton | aquatic | .         | 238.147900  | 127.750000 | 53.643135  | .        | .        | .        |
| Lenz et al. 1993                 | communities of marine phytoplankton | aquatic | .         | 252.295300  | 127.750000 | 50.635109  | .        | .        | .        |
| Lenz et al. 1993                 | communities of marine phytoplankton | aquatic | .         | 120.252900  | 58.400000  | 48.564317  | .        | .        | .        |
| Lignell et al. 1993              | communities of marine phytoplankton | aquatic | 3.200000  | 288.350000  | 47.450000  | 16.455696  | .        | .        | .        |
| Lindeboom et al. 1989            | communities of marine phytoplankton | aquatic | 2.100000  | 549.390700  | .          | .          | .        | .        | .        |
| McLusky 1981                     | communities of marine phytoplankton | aquatic | .         | 63.663300   | .          | .          | .        | .        | .        |
| Mee 1977                         | communities of marine phytoplankton | aquatic | .         | 2494.658200 | .          | .          | .        | .        | .        |
| Menzel and Ryther 1960           | communities of marine phytoplankton | aquatic | .         | 37.726400   | .          | .          | .        | .        | .        |
| Muller and Suess 1979            | communities of marine phytoplankton | aquatic | 7.500000  | 160.001400  | .          | .          | .        | .        | .        |
| Muller and Suess 1979            | communities of marine phytoplankton | aquatic | 0.860000  | 64.280150   | .          | .          | .        | .        | .        |
| Muller and Suess 1979            | communities of marine phytoplankton | aquatic | 3.000000  | 59.998700   | .          | .          | .        | .        | .        |
| Murray and Wetzel 1987           | communities of marine phytoplankton | aquatic | .         | 188.632000  | .          | .          | .        | .        | .        |
| Murray and Wetzel 1987           | communities of marine phytoplankton | aquatic | .         | 315.958600  | .          | .          | .        | .        | .        |
| Murray et al. 1994               | communities of marine phytoplankton | aquatic | 1.732000  | 430.700000  | .          | .          | 0.948600 | .        | .        |
| Nedwell et al. 1993              | communities of marine phytoplankton | aquatic | 4.240000  | 188.632000  | .          | .          | .        | .        | .        |
| Newell et al. 1981               | communities of marine phytoplankton | aquatic | .         | 448.950000  | .          | .          | .        | .        | .        |
| Nixon and Pilson 1984            | communities of marine phytoplankton | aquatic | .         | 299.453300  | .          | .          | .        | .        | .        |
| Odum and Wilson 1962             | communities of marine phytoplankton | aquatic | .         | 2565.395200 | .          | .          | .        | .        | .        |
| Packard 1979                     | communities of marine phytoplankton | aquatic | .         | 679.075200  | .          | .          | .        | .        | .        |
| Packard and Le B. Williams 1981  | communities of marine phytoplankton | aquatic | 0.630000  | 242.863700  | .          | .          | .        | .        | .        |
| Packard and Le B. Williams 1981  | communities of marine phytoplankton | aquatic | 0.780000  | 214.568900  | .          | .          | .        | .        | .        |
| Packard and Le B. Williams 1981  | communities of marine phytoplankton | aquatic | 0.890000  | 221.642600  | .          | .          | .        | .        | .        |
| Perry 1976                       | communities of marine phytoplankton | aquatic | 0.439560  | 43.800000   | .          | .          | .        | 5.690000 | 0.790000 |
| Pomeroy and Johannes 1968        | communities of marine phytoplankton | aquatic | .         | 848.844000  | .          | .          | .        | 5.590000 | 0.760000 |
| Pomeroy and Johannes 1968        | communities of marine phytoplankton | aquatic | .         | 1242.613300 | .          | .          | .        | 5.490000 | 0.810000 |
| Pomeroy and Johannes 1968        | communities of marine phytoplankton | aquatic | .         | 4258.367400 | .          | .          | .        | .        | .        |
| Pomeroy and Johannes 1968        | communities of marine phytoplankton | aquatic | .         | 509.306400  | .          | .          | .        | .        | .        |
| Pomeroy and Johannes 1968        | communities of marine phytoplankton | aquatic | .         | 580.043400  | .          | .          | .        | .        | .        |
| Pomeroy and Johannes 1968        | communities of marine phytoplankton | aquatic | .         | 315.958600  | .          | .          | 5.490000 | .        | 0.810000 |
| Pomeroy and Johannes 1968        | communities of marine phytoplankton | aquatic | .         | 264.084800  | .          | .          | .        | .        | .        |
| Poumba 1994                      | communities of marine phytoplankton | aquatic | 2.500000  | 374.906100  | .          | .          | .        | .        | .        |
| Prego 1993                       | communities of marine phytoplankton | aquatic | 4.000000  | 127.326600  | .          | .          | .        | .        | .        |
| Randall and Day 1987             | communities of marine phytoplankton | aquatic | .         | 370.190000  | .          | .          | .        | 5.490000 | 0.810000 |
| Randall and Day 1987             | communities of marine phytoplankton | aquatic | .         | 233.432100  | .          | .          | .        | .        | .        |
| Schlesinger 1997                 | communities of marine phytoplankton | aquatic | .         | 235.790000  | .          | .          | .        | .        | .        |
| Shin et al. 1987                 | communities of marine phytoplankton | aquatic | .         | .           | .          | .          | .        | .        | 0.512000 |
| Skjoldal and L nnergren 1978     | communities of marine phytoplankton | aquatic | 2.990000  | 1619.877300 | 175.200000 | 10.815634  | .        | .        | .        |
| Small et al. 1989                | communities of marine phytoplankton | aquatic | 1.270000  | 250.338000  | .          | .          | 0.098267 | .        | .        |
| Smith 1977                       | communities of marine phytoplankton | aquatic | .         | 455.074700  | .          | .          | .        | .        | .        |
| Smith 1977                       | communities of marine phytoplankton | aquatic | .         | 464.506300  | .          | .          | .        | .        | .        |
| Smith 1992                       | communities of marine phytoplankton | aquatic | 1.000000  | 37.726400   | .          | .          | .        | .        | .        |
| Smith 1992                       | communities of marine phytoplankton | aquatic | 1.000000  | 37.726400   | .          | .          | .        | .        | .        |
| Smith 1992                       | communities of marine phytoplankton | aquatic | 1.000000  | 37.726400   | .          | .          | .        | .        | .        |
| Smith 1992                       | communities of marine phytoplankton | aquatic | 1.000000  | 37.726400   | .          | .          | .        | .        | .        |
| Smith and Hollibaugh 1993        | communities of marine phytoplankton | aquatic | .         | 115.537100  | .          | .          | .        | .        | .        |
| Smith et al. 1986                | communities of marine phytoplankton | aquatic | 0.660000  | 247.579500  | .          | .          | .        | .        | .        |
| Smith et al. 1986                | communities of marine phytoplankton | aquatic | 1.100000  | 221.642600  | .          | .          | .        | .        | .        |
| Smith et al. 1986                | communities of marine phytoplankton | aquatic | 0.280000  | 294.737500  | .          | .          | .        | .        | .        |
| Smith et al. 1986                | communities of marine phytoplankton | aquatic | 5.250000  | 858.275600  | .          | .          | .        | .        | .        |
| Sorokin 1983                     | communities of marine phytoplankton | aquatic | 0.715400  | 179.200400  | 127.750000 | 71.288903  | 4.6      | 5.08     | 1.14     |
| Strom and Welschmeyer 1991       | communities of marine phytoplankton | aquatic | .         | 117.895000  | 51.100000  | 43.343653  | .        | .        | .        |
| Suess 1980                       | communities of marine phytoplankton | aquatic | .         | 401.500000  | .          | .          | .        | .        | .        |
| Suess 1980                       | communities of marine phytoplankton | aquatic | .         | 496.400000  | .          | .          | .        | .        | .        |
| Tijssen 1979                     | communities of marine phytoplankton | aquatic | .         | 181.558300  | .          | .          | .        | .        | .        |
| Tijssen and Eijgenraam 1982      | communities of marine phytoplankton | aquatic | .         | 754.528000  | .          | .          | .        | .        | .        |
| Velimirov and Walenta-Simon 1992 | communities of marine phytoplankton | aquatic | .         | 297.095400  | .          | .          | .        | .        | .        |
| Walsh 1988                       | communities of marine phytoplankton | aquatic | .         | 299.993500  | 100.010000 | 33.337389  | .        | .        | .        |
| Walsh 1988                       | communities of marine phytoplankton | aquatic | .         | 166.002000  | 35.999950  | 21.686456  | .        | .        | .        |
| Walsh 1988                       | communities of marine phytoplankton | aquatic | .         | 284.992000  | 87.016000  | 30.532787  | .        | .        | .        |
| Walsh 1988                       | communities of marine phytoplankton | aquatic | .         | 99.973500   | 22.998650  | 23.004746  | .        | .        | .        |
| Walsh 1988                       | communities of marine phytoplankton | aquatic | .         | 161.987000  | 67.999500  | 41.978369  | .        | .        | .        |
| Walsh et al. 1988                | communities of marine phytoplankton | aquatic | .         | 135.000000  | .          | .          | .        | .        | .        |
| Welschmeyer and Lorenzen 1985    | communities of marine phytoplankton | aquatic | 1.947000  | 238.147900  | 182.500000 | 76.633050  | .        | .        | .        |
| Welschmeyer and Lorenzen 1985    | communities of marine phytoplankton | aquatic | 0.324000  | 28.294800   | 26.061000  | 92.105263  | .        | 6.900000 | 0.980000 |

|  |                                     |         |            |             |            |            |          |          |          |
|--|-------------------------------------|---------|------------|-------------|------------|------------|----------|----------|----------|
| Zieman et al. 1993                                   | communities of marine phytoplankton | aquatic | .          | 174.484600  | 65.700000  | 37.653753  | .        | .        | .        |
| Cattaneo 1983  | freshwater benthic microalgal beds  | aquatic | 0.350000   | 0.876000    | 0.733650   | 83.750000  | .        | .        | .        |
| Flint and Goldman 1975                               | freshwater benthic microalgal beds  | aquatic | 0.239000   | 5.256000    | 1.752000   | 33.333333  | .        | .        | .        |
| Flint and Goldman 1975                               | freshwater benthic microalgal beds  | aquatic | 1.000000   | 25.440500   | 4.485850   | 17.632712  | .        | .        | .        |
| Hunter 1980  | freshwater benthic microalgal beds  | aquatic | .          | 2.839700    | 2.434550   | 85.732648  | .        | 3.850000 | .        |
| Jacoby 1987  | freshwater benthic microalgal beds  | aquatic | 0.875000   | 132.009550  | 102.200000 | 77.418641  | .        | 4.240000 | 0.405000 |
| Mason and Bryant 1975                                | freshwater benthic microalgal beds  | aquatic | 4.000000   | 7.811000    | 3.606200   | 46.168224  | .        | .        | .        |
| Naiman 1976  | freshwater benthic microalgal beds  | aquatic | 35.970000  | 1109.600000 | .          | .          | 2.090000 | .        | .        |
| Stanley 1976   | freshwater benthic microalgal beds  | aquatic | 0.912500   | 7.570100    | 1.073100   | 14.175506  | .        | .        | .        |
| Admiraal et al. 1983                                 | marine benthic microalgal beds      | aquatic | 1.114000   | 274.012800  | 40.150000  | 14.652600  | .        | .        | .        |
| Andersen and Kristensen 1988                         | marine benthic microalgal beds      | aquatic | .          | 137.006400  | .          | .          | .        | .        | .        |
| Baird and Ulanowicz 1989                             | marine benthic microalgal beds      | aquatic | 0.177000   | 56.414400   | 17.885000  | 31.702899  | 0.1127   | 7.04     | 1.02     |
| Baird and Ulanowicz 1993                             | marine benthic microalgal beds      | aquatic | 0.895000   | 34.923200   | 34.923200  | 100.000000 | 0.0814   | 5.3      | 0.81     |
| Baird and Ulanowicz 1993                             | marine benthic microalgal beds      | aquatic | .          | 80.592000   | 65.700000  | 81.521739  | .        | .        | .        |
| Baird and Ulanowicz 1993 (microphytobenthos average) | marine benthic microalgal beds      | aquatic | .          | .           | .          | .          | .        | 4.050000 | 0.459000 |
| Burns et al. 1993                                    | marine benthic microalgal beds      | aquatic | .          | 150.438400  | .          | .          | .        | .        | .        |
| Cadee and Hegeman 1977                               | marine benthic microalgal beds      | aquatic | .          | 85.008500   | .          | .          | .        | .        | .        |
| Carpenter 1986                                       | marine benthic microalgal beds      | aquatic | 20.000000  | 577.576000  | 138.700000 | 24.014156  | .        | .        | .        |
| Darley et al. 1981                                   | marine benthic microalgal beds      | aquatic | 1.160000   | 72.532800   | 29.565000  | 40.760870  | .        | .        | .        |
| Davis and Lee 1983                                   | marine benthic microalgal beds      | aquatic | .          | 515.788800  | 350.400000 | 67.934783  | .        | .        | .        |
| Davis and McIntire 1983                              | marine benthic microalgal beds      | aquatic | .          | 91.600400   | .          | .          | .        | .        | .        |
| Gould and Gallagher 1990                             | marine benthic microalgal beds      | aquatic | 17.610000  | 1058.441600 | 343.100000 | 32.415582  | .        | .        | .        |
| Hansen et al. 1992                                   | marine benthic microalgal beds      | aquatic | .          | 67.160000   | .          | .          | .        | .        | .        |
| Hansen et al. 1992                                   | marine benthic microalgal beds      | aquatic | .          | 42.982400   | .          | .          | .        | .        | .        |
| Klumpp et al. 1992                                   | marine benthic microalgal beds      | aquatic | .          | 80.592000   | 20.440000  | 25.362319  | .        | 1.760000 | .        |
| Kristensen 1993                                      | marine benthic microalgal beds      | aquatic | 1.208000   | 110.142400  | .          | .          | .        | .        | .        |
| Lindeboom and Sande 1989                             | marine benthic microalgal beds      | aquatic | .          | 265.953600  | .          | .          | .        | .        | .        |
| Lindeboom and Sande 1989                             | marine benthic microalgal beds      | aquatic | .          | 179.988800  | .          | .          | .        | .        | .        |
| Lindeboom and Sande 1989                             | marine benthic microalgal beds      | aquatic | .          | 222.971200  | .          | .          | .        | .        | .        |
| Lindeboom and Sande 1989                             | marine benthic microalgal beds      | aquatic | .          | 131.633600  | .          | .          | .        | .        | .        |
| McLahlan and Bate 1984                               | marine benthic microalgal beds      | aquatic | 1.260000   | 198.793600  | 58.400000  | 29.377203  | .        | .        | .        |
| Merino et al. 1992                                   | marine benthic microalgal beds      | aquatic | .          | 1249.176000 | .          | .          | .        | .        | .        |
| Montagna 1984  | marine benthic microalgal beds      | aquatic | .          | 3153.833600 | 237.250000 | 7.522591   | .        | .        | .        |
| Murray and Wetzel 1987                               | marine benthic microalgal beds      | aquatic | .          | 77.905600   | .          | .          | .        | .        | .        |
| Murray and Wetzel 1987                               | marine benthic microalgal beds      | aquatic | .          | 166.556800  | .          | .          | .        | .        | .        |
| Nicotri 1977   | marine benthic microalgal beds      | aquatic | 0.047300   | 0.209539    | 0.127750   | 60.967113  | .        | .        | .        |
| Nicotri 1977   | marine benthic microalgal beds      | aquatic | 0.108000   | 0.564144    | 0.438000   | 77.639752  | .        | .        | .        |
| Nicotri 1977   | marine benthic microalgal beds      | aquatic | 0.320000   | 2.955040    | 1.642500   | 55.583004  | .        | .        | .        |
| Ostergard and Kristensen 1992                        | marine benthic microalgal beds      | aquatic | .          | 110.142400  | .          | .          | .        | .        | .        |
| Panatmat 1988  | marine benthic microalgal beds      | aquatic | .          | 107.456000  | .          | .          | .        | .        | .        |
| Rizzo and Wetzel 1985                                | marine benthic microalgal beds      | aquatic | .          | 231.030400  | .          | .          | .        | .        | .        |
| Rizzo and Wetzel 1985                                | marine benthic microalgal beds      | aquatic | .          | 99.396800   | .          | .          | .        | .        | .        |
| Rizzo and Wetzel 1985                                | marine benthic microalgal beds      | aquatic | .          | 112.828800  | .          | .          | .        | .        | .        |
| Vidal 1991   | marine benthic microalgal beds      | aquatic | .          | 88.651200   | .          | .          | .        | .        | .        |
| Anderson et al. 1981                                 | marine macroalgal beds              | aquatic | 481.264637 | 1500.150000 | .          | .          | .        | 3.800000 | .        |
| Atkinson and Grigg 1984                              | marine macroalgal beds              | aquatic | .          | 628.785500  | .          | .          | .        | .        | .        |
| Bach and Josselyn 1979                               | marine macroalgal beds              | aquatic | .          | 1131.500000 | .          | .          | .        | .        | .        |
| Baird and Ulanowicz 1993                             | marine macroalgal beds              | aquatic | 318.340000 | 526.534400  | 167.900000 | 31.887755  | 15.9716  | .        | .        |
| Baird and Ulanowicz 1993                             | marine macroalgal beds              | aquatic | 96.500000  | 513.102400  | 31.025000  | 6.046551   | 0.8823   | .        | .        |
| Bak 1994   | marine macroalgal beds              | aquatic | .          | 435.813650  | 346.750000 | 79.563823  | .        | .        | .        |
| Bak 1994   | marine macroalgal beds              | aquatic | .          | 837.138450  | 452.600000 | 54.065131  | .        | .        | .        |
| Bak 1994   | marine macroalgal beds              | aquatic | .          | 1018.988750 | 540.200000 | 53.013343  | .        | .        | .        |
| Bak 1994   | marine macroalgal beds              | aquatic | .          | 683.506300  | 273.750000 | 40.050838  | .        | .        | .        |
| Bak 1994   | marine macroalgal beds              | aquatic | .          | 1078.560400 | 492.750000 | 45.685898  | .        | .        | .        |
| Birch et al. 1983                                    | marine macroalgal beds              | aquatic | .          | 216.007000  | 21.600700  | 10.000000  | .        | 2.600000 | 0.235600 |
| Brouwer 1996   | marine macroalgal beds              | aquatic | 260.000000 | 854.100000  | .          | .          | .        | 3.210000 | 0.530000 |
| Bustamante et al. 1995                               | marine macroalgal beds              | aquatic | 125.320000 | 1326.5      | .          | .          | 81.6     | 2.42     | .        |
| Bythell et al. 1993                                  | marine macroalgal beds              | aquatic | .          | 467.167150  | 43.800000  | 9.375659   | .        | .        | .        |
| Bythell et al. 1993                                  | marine macroalgal beds              | aquatic | .          | 467.167150  | 28.470000  | 6.094178   | .        | .        | .        |
| Chapman and Craigie 1978                             | marine macroalgal beds              | aquatic | 316.153846 | 1500.150000 | .          | .          | .        | 2.170000 | .        |
| Drew and Hastings 1992                               | marine macroalgal beds              | aquatic | .          | 3.066000    | 0.328500   | 10.714286  | .        | 2.000000 | 0.250000 |
| Dunton and Schell 1986                               | marine macroalgal beds              | aquatic | .          | 7.519084    | 7.190500   | 10.000000  | .        | 1.900000 | 0.250000 |
| Egan and Yarish 1990                                 | marine macroalgal beds              | aquatic | 418.367347 | 1496.500000 | .          | .          | .        | 2.060000 | .        |
| Gathuso et al. 1993                                  | marine macroalgal beds              | aquatic | .          | 2409.000000 | .          | .          | .        | .        | .        |
| Gathuso et al. 1993                                  | marine macroalgal beds              | aquatic | .          | 1943.917000 | .          | .          | .        | .        | .        |
| Gathuso et al. 1993                                  | marine macroalgal beds              | aquatic | .          | 7493.486500 | .          | .          | .        | .        | .        |
| Gathuso et al. 1993                                  | marine macroalgal beds              | aquatic | .          | 2523.956750 | .          | .          | .        | .        | .        |
| Geertz-Hansen et al. 1993; Pedersen and Borum 1996   | marine macroalgal beds              | aquatic | .          | .           | .          | .          | .        | 3.160000 | 0.278000 |
| Gerard 1976  | marine macroalgal beds              | aquatic | .          | 1299.546000 | 131.400000 | 10.111223  | .        | 2.420000 | 0.310000 |
| Hanisack 1979  | marine macroalgal beds              | aquatic | 126.696833 | 306.600000  | .          | .          | .        | 1.390000 | .        |
| Hanisack 1979  | marine macroalgal beds              | aquatic | 127.675277 | 252.580000  | .          | .          | .        | 2.270000 | .        |
| Hanisack 1979  | marine macroalgal beds              | aquatic | 34.567901  | 71.540000   | .          | .          | .        | 2.380000 | .        |

|  |   |         |   |             |             |            |           |             |          |          |          |
|--|---|---------|---|-------------|-------------|------------|-----------|-------------|----------|----------|----------|
| Hatcher et al. 1992                          | marine macroalgal beds                      | aquatic | . | 1000.176650 | .           | .          | .         | .           | .        | .        | .        |
| Hauxwell et al. 1998; Peckol and Rivers 1996 | marine macroalgal beds                      | aquatic | . | 486.670000  | 127.567500  | 26.212320  | .         | 2.600000    | .        | 0.235600 | .        |
| Josselyn and Mathieson 1980                  | marine macroalgal beds                      | aquatic | . | 954.000000  | .           | .          | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 0.070628    | 0.018250    | 25.839793  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 1.412550    | 0.511000    | 36.175711  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 543.047000  | 102.200000  | 18.819734  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 2.825100    | 0.547500    | 19.379845  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 25.112000   | 8.395000    | 33.430233  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 2.354250    | 0.766500    | 32.558140  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 7.690550    | 2.117000    | 27.527290  | .         | .           | .        | 0.250000 | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 13.968550   | 4.380000    | 31.356154  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 7.062750    | 1.679000    | 23.772610  | .         | .           | .        | .        | .        |
| Khailov and Burlakova 1969                   | marine macroalgal beds                      | aquatic | . | 20.403500   | 6.205000    | 30.411449  | .         | .           | .        | .        | .        |
| Kiene and Hutchings 1994                     | marine macroalgal beds                      | aquatic | . | 495.385300  | 5.840000    | 1.178880   | .         | .           | .        | .        | .        |
| Kiene and Hutchings 1994                     | marine macroalgal beds                      | aquatic | . | 495.385300  | 178.850000  | 36.103211  | .         | .           | .        | .        | .        |
| Kiene and Hutchings 1994                     | marine macroalgal beds                      | aquatic | . | 495.385300  | 91.250000   | 18.420006  | .         | .           | .        | .        | .        |
| Kiene and Hutchings 1994                     | marine macroalgal beds                      | aquatic | . | 495.385300  | 178.850000  | 36.103211  | .         | .           | .        | .        | .        |
| Kiene and Hutchings 1994                     | marine macroalgal beds                      | aquatic | . | 495.385300  | 12.045000   | 2.431441   | .         | .           | .        | .        | .        |
| Kiene and Hutchings 1994                     | marine macroalgal beds                      | aquatic | . | 495.385300  | 160.600000  | 32.419210  | .         | .           | .        | .        | .        |
| Klumpp and Polunin 1989                      | marine macroalgal beds                      | aquatic | . | 693.719000  | 521.950000  | 75.239398  | .         | .           | .        | .        | .        |
| Klumpp et al. 1989                           | marine macroalgal beds                      | aquatic | . | 17.348300   | 183.631500  | 127.750000 | 1.733400  | .           | .        | .        | .        |
| Klumpp et al. 1993                           | marine macroalgal beds                      | aquatic | . | .           | 32.959500   | 5.475000   | .         | 1.760000    | .        | .        | .        |
| Koop et al. 1982                             | marine macroalgal beds                      | aquatic | . | 264.000000  | 1175.555500 | 105.850000 | 9.004254  | 2.420000    | .        | 0.310000 | .        |
| Kristensen et al. 1992                       | marine macroalgal beds                      | aquatic | . | .           | 535.199500  | .          | .         | .           | .        | .        | .        |
| Lapointe et al. 1981                         | marine macroalgal beds                      | aquatic | . | 211.904762  | 1299.400000 | .          | .         | 3.950000    | .        | .        | .        |
| Mann 1972 (averages for whole bay)           | marine macroalgal beds                      | aquatic | . | 73.810000   | 659.190000  | 62.050000  | 9.413068  | 2.420000    | .        | 0.310000 | .        |
| Mann 1972 (averages for seaweed zone)        | marine macroalgal beds                      | aquatic | . | 264.100000  | 1750.000000 | .          | .         | 12.950000   | 1.820000 | 0.270000 | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 1123.762000 | 135.050000 | 12.017669 | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 272.775450  | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 3821.991650 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 1072.289700 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 2085.007750 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 3608.787850 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 1931.375600 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 1191.433000 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 6270.700000 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 2821.815000 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 1881.210000 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 4047.736850 | .          | .         | .           | .        | .        | .        |
| Mann 1985                                    | marine macroalgal beds                      | aquatic | . | .           | 5925.811500 | .          | .         | .           | .        | .        | .        |
| Mann 1988                                    | marine macroalgal beds                      | aquatic | . | .           | 916.588000  | 113.150000 | 12.344696 | .           | .        | .        | .        |
| Mann 1988                                    | marine macroalgal beds                      | aquatic | . | .           | 200.421500  | .          | .         | .           | .        | .        | .        |
| Mann 1988                                    | marine macroalgal beds                      | aquatic | . | .           | 200.421500  | .          | .         | .           | .        | .        | .        |
| McLusky 1981                                 | marine macroalgal beds                      | aquatic | . | .           | 92.600500   | 25.915000  | 27.985810 | .           | .        | .        | .        |
| McQuaid and Branch 1985-exposed              | marine macroalgal beds                      | aquatic | . | 146.320000  | 1548.75486  | .          | .         | 20.76       | 2.29     | 0.25     | .        |
| McQuaid and Branch 1985-protected            | marine macroalgal beds                      | aquatic | . | 93.430000   | 988.93538   | .          | .         | 15.672      | 2.29     | 0.25     | .        |
| Nakamori et al. 1992                         | marine macroalgal beds                      | aquatic | . | .           | 1423.500000 | .          | .         | .           | .        | .        | .        |
| Neudecker 1979                               | marine macroalgal beds                      | aquatic | . | .           | 316.670350  | 105.850000 | 33.425927 | .           | .        | .        | .        |
| Newell et al. 1982                           | marine macroalgal beds                      | aquatic | . | 454.600000  | 1124.200000 | 135.050000 | 12.012987 | 6.26        | 2.54     | 0.25     | .        |
| Patterson et al. 1991                        | marine macroalgal beds                      | aquatic | . | .           | 874.762650  | .          | .         | .           | .        | .        | .        |
| Polunin and Klumpp 1992                      | marine macroalgal beds                      | aquatic | . | 26.400000   | 718.831000  | 386.900000 | 53.823500 | .           | 2.500000 | 0.310000 | .        |
| Reichardt and Dieckmann 1985                 | marine macroalgal beds                      | aquatic | . | .           | 5.292500    | .          | .         | .           | 4.300000 | .        | .        |
| Sakshaug et al. 1994                         | marine macroalgal beds                      | aquatic | . | .           | 18.250000   | .          | .         | .           | 1.100000 | .        | .        |
| Sfriso and Marcomini 1997                    | marine macroalgal beds                      | aquatic | . | .           | 815.994000  | 530.418000 | 65.002684 | .           | 1.980000 | 0.164500 | .        |
| Smith 1973                                   | marine macroalgal beds                      | aquatic | . | .           | 3009.936000 | .          | .         | .           | .        | .        | .        |
| Smith 1973                                   | marine macroalgal beds                      | aquatic | . | .           | 1241.598600 | .          | .         | .           | .        | .        | .        |
| Smith 1973                                   | marine macroalgal beds                      | aquatic | . | .           | 627.070000  | .          | .         | .           | .        | .        | .        |
| Smith and Jokiel 1978                        | marine macroalgal beds                      | aquatic | . | .           | 1883.400000 | .          | .         | .           | .        | .        | .        |
| Smith and Pesret 1974                        | marine macroalgal beds                      | aquatic | . | .           | 949.000000  | .          | .         | .           | .        | .        | .        |
| Smith et al. 1978                            | marine macroalgal beds                      | aquatic | . | .           | 1883.400000 | .          | .         | .           | .        | .        | .        |
| Sorokin 1983                                 | marine macroalgal beds                      | aquatic | . | .           | 7.533600    | 2.372500   | 31.492248 | .           | 2.5      | 0.31     | .        |
| Spencer 1977                                 | marine macroalgal beds                      | aquatic | . | .           | 1357.606550 | .          | .         | .           | .        | .        | .        |
| Wallentinus 1981                             | marine macroalgal beds                      | aquatic | . | .           | .           | .          | .         | .           | .        | .        | 0.310000 |
| Wanders 1977                                 | marine macroalgal beds                      | aquatic | . | 37.680000   | 811.431500  | 536.550000 | 66.123881 | .           | .        | .        | .        |
| Williams and Carpenter 1988                  | marine macroalgal beds                      | aquatic | . | .           | 733.650000  | 550.237500 | 75.000000 | .           | 2.670000 | .        | .        |
| Yap et al. 1994                              | marine macroalgal beds                      | aquatic | . | .           | 3386.178000 | .          | .         | .           | .        | .        | .        |
| Anderson 1976                                | meadows of freshwater submerged macrophytes | aquatic | . | 30.800000   | 46.720000   | 16.060000  | 34.375000 | .           | 1.730000 | .        | .        |
| Anderson 1976                                | meadows of freshwater submerged macrophytes | aquatic | . | .           | 1500.150000 | .          | .         | .           | 3.800000 | .        | .        |
| Bayley et al. 1985                           | meadows of freshwater submerged macrophytes | aquatic | . | .           | 327.600000  | .          | .         | .           | .        | .        | .        |
| Boyd 1970                                    | meadows of freshwater submerged macrophytes | aquatic | . | 84.120983   | 162.425000  | .          | .         | .           | 1.320000 | 0.170000 | .        |
| Cyr and Pace 1993                            | meadows of freshwater submerged macrophytes | aquatic | . | .           | 39.63466511 | .          | .         | 0.079733229 | .        | .        | .        |

|  |   |             |            |             |             |           |             |          |          |
|--|---|-------------|------------|-------------|-------------|-----------|-------------|----------|----------|
| Cyr and Pace 1993                          | meadows of freshwater submerged macrophytes | aquatic     | .          | 55.35910801 | .           | .         | 0.021274965 | .        | .        |
| Cyr and Pace 1993                          | meadows of freshwater submerged macrophytes | aquatic     | .          | 55.35910801 | .           | .         | 0.090994764 | .        | .        |
| Cyr and Pace 1993                          | meadows of freshwater submerged macrophytes | aquatic     | .          | 80.18187793 | .           | .         | 0.142593054 | .        | .        |
| Cyr and Pace 1993                          | meadows of freshwater submerged macrophytes | aquatic     | .          | 94.07592976 | .           | .         | 0.34102553  | .        | .        |
| Cyr and Pace 1993                          | meadows of freshwater submerged macrophytes | aquatic     | .          | 139.2610317 | .           | .         | 0.17156403  | .        | .        |
| Cyr and Pace 1993                          | meadows of freshwater submerged macrophytes | aquatic     | .          | 106.4406617 | .           | .         | 0.298820126 | .        | .        |
| Flint and Goldman 1975                     | meadows of freshwater submerged macrophytes | aquatic     | 51.430000  | 201.115000  | 28.068500   | 13.956443 | .           | .        | .        |
| Jupp and Spence 1977                       | meadows of freshwater submerged macrophytes | aquatic     | 35.000000  | 111.325000  | 15.494250   | 13.918033 | .           | 0.385000 | .        |
| Klopatek and Stearns 1978                  | meadows of freshwater submerged macrophytes | aquatic     | 50.000000  | 401.500000  | 52.560000   | 13.090909 | .           | .        | .        |
| Mason and Bryant 1975                      | meadows of freshwater submerged macrophytes | aquatic     | 146.508197 | 326.200500  | .           | .         | .           | 2.600000 | 0.200000 |
| Neeley and Davis 1985                      | meadows of freshwater submerged macrophytes | aquatic     | .          | 369.600000  | .           | .         | .           | .        | .        |
| Neill 1992                                 | meadows of freshwater submerged macrophytes | aquatic     | 128.000000 | 321.200000  | .           | .         | .           | 1.760000 | 0.210000 |
| Odum 1957                                  | meadows of freshwater submerged macrophytes | aquatic     | 323.600000 | 1462.200000 | 316.820000  | 21.667351 | 14.8        | 2.22     | 0.27     |
| Rogers and Breen 1982                      | meadows of freshwater submerged macrophytes | aquatic     | .          | 93.650000   | .           | .         | .           | .        | .        |
| Schalles and Shure 1989                    | meadows of freshwater submerged macrophytes | aquatic     | 13.820000  | 24.272500   | .           | .         | .           | .        | .        |
| Sheldon 1987                               | meadows of freshwater submerged macrophytes | aquatic     | 32.800000  | 74.460000   | 8.650500    | 11.617647 | .           | .        | .        |
| Soszka 1975                                | meadows of freshwater submerged macrophytes | aquatic     | 37.800000  | 81.030000   | 5.292500    | 6.531532  | .           | .        | .        |
| Soszka 1975                                | meadows of freshwater submerged macrophytes | aquatic     | 19.250000  | 62.780000   | 24.345500   | 38.779070 | .           | .        | .        |
| Soszka 1975                                | meadows of freshwater submerged macrophytes | aquatic     | 76.200000  | 167.535000  | 15.220500   | 9.084967  | .           | .        | .        |
| Soszka 1975                                | meadows of freshwater submerged macrophytes | aquatic     | 19.750000  | 55.480000   | 16.023500   | 28.881579 | .           | .        | .        |
| Wallace and O'Hop 1985                     | meadows of freshwater submerged macrophytes | aquatic     | 13.000000  | 365.000000  | 62.050000   | 17.000000 | .           | 4.020000 | 0.450000 |
| Baird and Ulanowicz 1993                   | seagrass meadows                            | aquatic     | 162.100000 | 665.442450  | .           | .         | 9.4015      | .        | .        |
| Baldwin and Lovvorn 1994                   | seagrass meadows                            | aquatic     | .          | 7.865750    | 2.701000    | 34.338747 | .           | .        | .        |
| Cebrian and Duarte 1998 (CN)               | seagrass meadows                            | aquatic     | .          | 149.110000  | 12.670000   | 8.497083  | .           | 2.380000 | 0.188700 |
| Cebrian and Duarte 1998 (EA, CS, TH)       | seagrass meadows                            | aquatic     | .          | 484.790000  | 57.620000   | 11.885559 | .           | 2.220000 | 0.288500 |
| Cebrian and Duarte 1998 (TC)               | seagrass meadows                            | aquatic     | .          | 89.300000   | 5.270000    | 5.901456  | .           | 2.120000 | 0.189000 |
| Cebrian and Duarte 1998 (TT)               | seagrass meadows                            | aquatic     | .          | 570.520000  | 54.770000   | 9.600014  | .           | 2.550000 | 0.189600 |
| Cebrian and Duarte 1998 (ZM)               | seagrass meadows                            | aquatic     | .          | 335.800000  | 18.800000   | 5.598571  | .           | 2.290000 | 0.199700 |
| Cebrian and Duarte 1998 (ZN)               | seagrass meadows                            | aquatic     | .          | 126.870000  | 5.836000    | 4.599884  | .           | 2.720000 | 0.279000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 188.2508727 | 8.2830384   | 4.400000  | .           | 1.650000 | 0.112000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 402.961014  | 9.268103323 | 2.300000  | .           | 2.590000 | 0.165000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 677.4919008 | 10.16237851 | 1.500000  | .           | 2.150000 | 0.156000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 238.953863  | 3.584307945 | 1.500000  | .           | 2.640000 | 0.119000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 951.903414  | 19.03806828 | 2.000000  | .           | 1.810000 | 0.124000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 961.8975716 | 17.31415629 | 1.800000  | .           | 1.860000 | 0.113000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 375.776658  | 4.885096554 | 1.300000  | .           | 1.320000 | 0.103000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 458.8172563 | 7.799893357 | 1.700000  | .           | 2.100000 | 0.107000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 167.8219703 | 1.510397733 | 0.900000  | .           | 1.420000 | 0.115000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 919.9008    | 2.7597024   | 0.300000  | .           | 2.020000 | 0.229000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 676.3322816 | 10.82131651 | 1.600000  | .           | 1.330000 | 0.181000 |
| Cebrian et al. 1996                        | seagrass meadows                            | aquatic     | .          | 1075.268133 | 9.6774132   | 0.900000  | .           | 1.970000 | 0.235000 |
| Erfteimer et al. 1993                      | seagrass meadows                            | aquatic     | 53.800000  | 335.080950  | .           | .         | .           | .        | .        |
| Erfteimer et al. 1993                      | seagrass meadows                            | aquatic     | 47.800000  | 476.664450  | .           | .         | .           | .        | .        |
| Erfteimer et al. 1993                      | seagrass meadows                            | aquatic     | 22.830000  | 220.241000  | .           | .         | .           | .        | .        |
| Greenway 1976                              | seagrass meadows                            | aquatic     | 99.600000  | 876.244550  | 423.400000  | 48.319844 | 0.794328247 | 1.800000 | 0.140000 |
| Harrison 1982                              | seagrass meadows                            | aquatic     | .          | 360.000000  | .           | .         | .           | .        | .        |
| Hauxwell et al. 2002; Hauxwell et al. 1998 | seagrass meadows                            | aquatic     | 32.000000  | 158         | .           | .         | 0.141       | 1.93     | 0.35     |
| Hauxwell et al. 2002; Hauxwell et al. 1998 | seagrass meadows                            | aquatic     | 12.800000  | 63.6        | .           | .         | 0.162       | 1.47     | 0.35     |
| Hemminga and Nieuwenhuize 1991             | seagrass meadows                            | aquatic     | .          | 529.250000  | .           | .         | .           | .        | .        |
| Jacobs et al. 1981                         | seagrass meadows                            | aquatic     | .          | 10.950000   | 0.511000    | 4.666667  | .           | .        | 0.202579 |
| Kirkman and Reid 1979                      | seagrass meadows                            | aquatic     | .          | 160.461300  | 3.431000    | 2.138210  | .           | .        | .        |
| Klumpp et al. 1989                         | seagrass meadows                            | aquatic     | 273.728100 | 1094.912400 | 76.650000   | 7.000560  | 0.569900    | 1.200000 | 0.120000 |
| Klumpp et al. 1993                         | seagrass meadows                            | aquatic     | .          | 582.065500  | 69.350000   | 11.914467 | .           | 1.210000 | .        |
| Lindeboom and De Bree 1982                 | seagrass meadows                            | aquatic     | .          | 493.969100  | .           | .         | .           | .        | .        |
| Nienhuis and Groenedijk 1986               | seagrass meadows                            | aquatic     | 17.000000  | 34.609300   | 2.628000    | 7.593335  | .           | .        | .        |
| Ott and Maurer 1977                        | seagrass meadows                            | aquatic     | 461.600000 | 555.321950  | 51.100000   | 9.201869  | .           | .        | .        |
| Peduzzi and Herndl 1991                    | seagrass meadows                            | aquatic     | .          | 250.000000  | .           | .         | .           | .        | .        |
| Pellikaan and Nienhuis 1988                | seagrass meadows                            | aquatic     | 50.000000  | 162.034450  | 8.869500    | 5.473836  | .           | 2.510000 | 0.416200 |
| Perqant et al. 1994                        | seagrass meadows                            | aquatic     | .          | 190.398600  | .           | .         | .           | .        | .        |
| Romero et al. 1992                         | seagrass meadows                            | aquatic     | 89.100000  | 201.480000  | .           | .         | .           | .        | .        |
| Tersching 1989                             | seagrass meadows                            | aquatic     | .          | 489.249650  | 17.520000   | 3.580994  | .           | .        | .        |
| Wahbeh and Mahasneh 1985                   | seagrass meadows                            | aquatic     | .          | 321.200000  | .           | .         | .           | .        | .        |
| Wetzel and Penhale 1983                    | seagrass meadows                            | aquatic     | .          | 1054.010500 | .           | .         | .           | .        | .        |
| Wetzel and Penhale 1983                    | seagrass meadows                            | aquatic     | .          | 602.516450  | .           | .         | .           | .        | .        |
| Zieman et al. 1979                         | seagrass meadows                            | aquatic     | 30.800000  | 393.287500  | 58.400000   | 14.849188 | .           | .        | .        |
| Zieman et al. 1979                         | seagrass meadows                            | aquatic     | .          | 2.320000    | 47.194500   | 14.694509 | .           | .        | .        |
| Billings 1987                              | tundra shrublands and grasslands            | terrestrial | 75.270000  | 72.000000   | .           | .         | 0.12        | 1.0975   | 0.09275  |
| Bliss 1975                                 | tundra shrublands and grasslands            | terrestrial | 57.200000  | 35.489700   | .           | .         | 0.017       | 0.88     | 0.139    |
| Bliss 1975                                 | tundra shrublands and grasslands            | terrestrial | 399.200000 | 54.394700   | 2.467400    | 4.536104  | 0.077       | 0.880000 | 0.092750 |
| Chapin et al. 1980                         | tundra shrublands and grasslands            | terrestrial | 63.000000  | 47          | .           | .         | 0.09        | 1.447    | 0.1072   |
| McNaughton et al. 1989                     | tundra shrublands and grasslands            | terrestrial | .          | 58.199250   | 0.032000    | 0.054983  | .           | .        | .        |
| McNaughton et al. 1989                     | tundra shrublands and grasslands            | terrestrial | .          | 21.099993   | 0.062999    | 0.298574  | .           | .        | .        |

|                                  |   |             |   |              |             |            |             |             |          |          |
|----------------------------------|---|-------------|---|--------------|-------------|------------|-------------|-------------|----------|----------|
| McNaughton et al. 1989           | tundra shrublands and grasslands              | terrestrial | . | 21.099993    | 0.099999    | 0.473929   | .           | .           | .        | .        |
| McNaughton et al. 1989           | tundra shrublands and grasslands              | terrestrial | . | 20.75957802  | .           | .          | 0.006353639 | .           | .        | .        |
| McNaughton et al. 1989           | tundra shrublands and grasslands              | terrestrial | . | 22.28739728  | .           | .          | 0.021076705 | .           | .        | .        |
| McNaughton et al. 1989           | tundra shrublands and grasslands              | terrestrial | . | 20.75957802  | .           | .          | 0.052728614 | .           | .        | .        |
| McNaughton et al. 1989           | tundra shrublands and grasslands              | terrestrial | . | 61.41043258  | .           | .          | 0.052728614 | .           | .        | .        |
| McNaughton et al. 1989           | tundra shrublands and grasslands              | terrestrial | . | 20.6259903   | .           | .          | 0.17491478  | .           | .        | .        |
| Moore 1989                       | tundra shrublands and grasslands              | terrestrial | . | 176.800000   | .           | .          | .           | .           | .        | .        |
| Moore 1989                       | tundra shrublands and grasslands              | terrestrial | . | 120.200000   | .           | .          | .           | .           | .        | .        |
| Moore 1989                       | tundra shrublands and grasslands              | terrestrial | . | 171.600000   | .           | .          | .           | .           | .        | .        |
| Moore 1989                       | tundra shrublands and grasslands              | terrestrial | . | 145.800000   | .           | .          | .           | .           | .        | .        |
| Moore 1989                       | tundra shrublands and grasslands              | terrestrial | . | 235.200000   | .           | .          | .           | .           | .        | .        |
| Bach et al. 1986                 | freshwater and marine marshes                 | terrestrial | . | 836.711400   | 459.900000  | 54.965189  | .           | .           | .        | .        |
| Bach et al. 1986                 | freshwater and marine marshes                 | terrestrial | . | 547.846750   | 302.950000  | 55.298311  | .           | .           | .        | .        |
| Bach et al. 1986                 | freshwater and marine marshes                 | terrestrial | . | 567.768450   | 313.900000  | 55.286623  | .           | .           | .        | .        |
| Bernard and Solsky 1977          | freshwater and marine marshes                 | terrestrial | . | 347.708895   | 470.850000  | .          | .           | 1.600000    | .        | .        |
| Buth 1987                        | freshwater and marine marshes                 | terrestrial | . | .            | 3733.326580 | .          | .           | .           | .        | .        |
| Buth 1987                        | freshwater and marine marshes                 | terrestrial | . | .            | 5574.091660 | .          | .           | .           | .        | .        |
| Buth 1987                        | freshwater and marine marshes                 | terrestrial | . | .            | 4090.921095 | .          | .           | .           | .        | .        |
| Cahoon and Stevenson 1986        | freshwater and marine marshes                 | terrestrial | . | 117.600000   | 482.105140  | 73.000000  | 15.141925   | .           | .        | .        |
| Cammen 1980                      | freshwater and marine marshes                 | terrestrial | . | 182.800000   | 226.4       | .          | .           | 2.9         | 0.9      | 0.18     |
| Craft et al. 1988                | freshwater and marine marshes                 | terrestrial | . | .            | .           | .          | .           | 0.780000    | .        | 0.053800 |
| de la Cruz 1973                  | freshwater and marine marshes                 | terrestrial | . | 400.000000   | 419.998200  | .          | .           | .           | .        | .        |
| de la Cruz 1973                  | freshwater and marine marshes                 | terrestrial | . | 400.000000   | 419.998200  | .          | .           | .           | .        | .        |
| Gallagher et al. 1980            | freshwater and marine marshes                 | terrestrial | . | 280.085197   | 959.950000  | .          | .           | 0.940000    | .        | 0.150000 |
| Graneli 1989                     | freshwater and marine marshes                 | terrestrial | . | 165.000000   | 40.880000   | .          | .           | .           | .        | .        |
| Hopkinson et al. 1978            | freshwater and marine marshes                 | terrestrial | . | 323.200000   | 539.878070  | .          | .           | .           | .        | .        |
| Hopkinson et al. 1978            | freshwater and marine marshes                 | terrestrial | . | 301.600000   | 1267.020120 | 211.700000 | 16.708496   | .           | .        | .        |
| Hopkinson et al. 1978            | freshwater and marine marshes                 | terrestrial | . | 550.400000   | 2415.506125 | .          | .           | .           | .        | .        |
| Hopkinson et al. 1978            | freshwater and marine marshes                 | terrestrial | . | 396.000000   | 926.359050  | .          | .           | .           | .        | .        |
| Hopkinson et al. 1978            | freshwater and marine marshes                 | terrestrial | . | 259.200000   | 598.647085  | .          | .           | .           | .        | .        |
| Karagatzides and Hutchinson 1991 | freshwater and marine marshes                 | terrestrial | . | 111.800000   | 103.295000  | .          | .           | .           | .        | .        |
| Karagatzides and Hutchinson 1991 | freshwater and marine marshes                 | terrestrial | . | 138.000000   | 161.330000  | .          | .           | .           | .        | .        |
| Lee 1990                         | freshwater and marine marshes                 | terrestrial | . | 623.920000   | 879.543055  | 8.760000   | 0.995972    | .           | 1.280000 | .        |
| Parsons and De la Cruz 1980      | freshwater and marine marshes                 | terrestrial | . | 242.500000   | 832.110000  | 2.964700   | 0.356287    | 0.089000    | 0.780000 | 0.140000 |
| Patriquin and McClung 1978       | freshwater and marine marshes                 | terrestrial | . | 66.768293    | 159.870000  | .          | .           | .           | 2.200000 | .        |
| Patriquin and McClung 1978       | freshwater and marine marshes                 | terrestrial | . | 119.883041   | 299.300000  | .          | .           | .           | 2.030000 | .        |
| Reader and Stewart 1972          | freshwater and marine marshes                 | terrestrial | . | .            | 192.600000  | 43.880000  | 22.782970   | .           | 1.590000 | 0.114000 |
| Reader and Stewart 1972          | freshwater and marine marshes                 | terrestrial | . | .            | 447.400000  | 36.920000  | 8.252123    | .           | 2.250000 | 0.175000 |
| Richardson et al. 1999           | freshwater and marine marshes                 | terrestrial | . | .            | 1196.400000 | 0.760000   | 0.063524    | .           | 0.723400 | 0.013500 |
| Smalley 1960                     | freshwater and marine marshes                 | terrestrial | . | .            | 503.006500  | 2.867221   | 0.570017    | .           | .        | .        |
| Squiers and Good 1974            | freshwater and marine marshes                 | terrestrial | . | 266.592428   | 436.905000  | .          | .           | .           | 0.990000 | .        |
| Teal 1962                        | freshwater and marine marshes                 | terrestrial | . | 250.000000   | 992.100660  | 51.100000  | 5.150687    | 0.281000    | 0.900000 | 0.180000 |
| Udell et al. 1969                | freshwater and marine marshes                 | terrestrial | . | 107.664234   | 215.350000  | 15.074500  | 7.000000    | .           | 2.140000 | .        |
| White et al. 1978                | freshwater and marine marshes                 | terrestrial | . | 671.600000   | 517.964200  | .          | .           | .           | .        | .        |
| White et al. 1978                | freshwater and marine marshes                 | terrestrial | . | 589.200000   | 1387.546405 | 229.950000 | 16.572419   | .           | .        | .        |
| Boring et al. 1981               | temperate and tropical shrublands and forests | terrestrial | . | .            | 350.200000  | 14.600000  | 4.169046    | .           | 0.338900 | 0.061900 |
| Bray 1964                        | temperate and tropical shrublands and forests | terrestrial | . | 60.000000    | 132.130000  | 9.198000   | 6.961326    | .           | .        | .        |
| Chew and Chew 1970               | temperate and tropical shrublands and forests | terrestrial | . | 184.000000   | 52.560000   | 1.040250   | 1.979167    | 0.063641054 | 0.639600 | .        |
| Day 1982                         | temperate and tropical shrublands and forests | terrestrial | . | 232.273680   | 233.503215  | .          | .           | .           | .        | .        |
| Day 1982                         | temperate and tropical shrublands and forests | terrestrial | . | 446.683592   | 252.518304  | .          | .           | .           | .        | .        |
| Day 1982                         | temperate and tropical shrublands and forests | terrestrial | . | 238.231947   | 239.493022  | .          | .           | .           | .        | .        |
| Day 1982                         | temperate and tropical shrublands and forests | terrestrial | . | 208.449088   | 209.552509  | .          | .           | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 706.599850  | 15.000040  | 2.122848    | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 599.600100  | 2.200000   | 0.366911    | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 449.132500  | 7.520095   | 1.674360    | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 402.441700  | 36.399990  | 9.044786    | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 516.000500  | 16.000140  | 3.100799    | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 382.812000  | 8.400110   | 2.194317    | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 489.757000  | 6.840100   | 1.396631    | .           | .        | .        |
| De Angelis et al. 1981           | temperate and tropical shrublands and forests | terrestrial | . | .            | 403.120600  | 7.120055   | 1.766234    | .           | .        | .        |
| Frangi and Lugo 1985             | temperate and tropical shrublands and forests | terrestrial | . | 9999.000000  | 876.000000  | 1.113250   | 0.127083    | 1.310000    | .        | 0.033400 |
| Gosz et al. 1978                 | temperate and tropical shrublands and forests | terrestrial | . | 7156.310000  | 468.952000  | 31.426500  | 6.701432    | .           | 0.320000 | 0.061900 |
| Gray 1982                        | temperate and tropical shrublands and forests | terrestrial | . | 2592.890000  | 423.400000  | .          | .           | .           | 0.640000 | 0.044000 |
| Gray 1982                        | temperate and tropical shrublands and forests | terrestrial | . | 370.000000   | 141.985000  | .          | .           | .           | 0.530000 | 0.110000 |
| Grier and Logan 1977             | temperate and tropical shrublands and forests | terrestrial | . | 26862.800000 | 332.000000  | 1.598700   | 0.481536    | 0.446       | 0.073300 | 0.011870 |
| Grier and Logan 1977             | temperate and tropical shrublands and forests | terrestrial | . | 32528.800000 | 318.400000  | 2.398050   | 0.753156    | 0.668       | 0.073400 | 0.011880 |
| Grier and Logan 1977             | temperate and tropical shrublands and forests | terrestrial | . | 20017.600000 | 251.200000  | 2.398050   | 0.954638    | 0.668       | 0.073300 | 0.011860 |
| Grier and Logan 1977             | temperate and tropical shrublands and forests | terrestrial | . | 22590.400000 | 303.600000  | 2.398050   | 0.789872    | 0.668       | 0.073300 | 0.011870 |
| Grier and Logan 1977             | temperate and tropical shrublands and forests | terrestrial | . | 39300.400000 | 402.800000  | 2.398050   | 0.595345    | 0.668       | 0.070800 | 0.011300 |
| Grodzinski et al. 1966           | temperate and tropical shrublands and forests | terrestrial | . | .            | 98.980700   | 1.376543   | 1.390718    | .           | .        | .        |
| Gruner, age 300                  | temperate and tropical shrublands and forests | terrestrial | . | 7104         | 421.2       | .          | .           | 0.253528    | .        | .        |
| Gruner, age 5000                 | temperate and tropical shrublands and forests | terrestrial | . | 10644        | 388.208     | .          | .           | 1.477688    | .        | .        |

|  |   |             |              |             |            |           |             |          |          |
|--|---|-------------|--------------|-------------|------------|-----------|-------------|----------|----------|
| Gruner, age 150000                       | temperate and tropical shrublands and forests | terrestrial | 5784         | 363.404     | .          | .         | 2.398276    | .        | .        |
| Gruner, age 1400000                      | temperate and tropical shrublands and forests | terrestrial | 5500         | 558         | .          | .         | 0.837252    | .        | .        |
| Gruner, age 4100000                      | temperate and tropical shrublands and forests | terrestrial | 8232         | 298.516     | .          | .         | 0.210936    | .        | .        |
| Harris et al. 1975                       | temperate and tropical shrublands and forests | terrestrial | 8011.000000  | 451.100000  | 4.489500   | 0.995234  | 0.101       | 0.3389   | 0.0619   |
| Haukioja and Koponen 1975                | temperate and tropical shrublands and forests | terrestrial | .            | 67.999865   | 3.559991   | 5.235291  | 0.042672096 | .        | .        |
| Kira 1978                                | temperate and tropical shrublands and forests | terrestrial | 17400.000000 | 846.800000  | .          | .         | .           | .        | .        |
| Leigh and Windsor 1983                   | temperate and tropical shrublands and forests | terrestrial | 243.800000   | 280.320000  | 36.500000  | 13.020833 | .           | .        | .        |
| Lowman 1988                              | temperate and tropical shrublands and forests | terrestrial | 456.400000   | 228.490000  | 50.005000  | 21.884984 | .           | .        | .        |
| Lowman 1988                              | temperate and tropical shrublands and forests | terrestrial | 387.600000   | 193.815000  | 52.925000  | 27.306968 | .           | .        | .        |
| Lowman 1988                              | temperate and tropical shrublands and forests | terrestrial | 490.400000   | 245.280000  | 35.186000  | 14.345238 | .           | .        | .        |
| McInnes et al. 1992                      | temperate and tropical shrublands and forests | terrestrial | .            | 490.001550  | 228.000900 | 46.530649 | .           | 1.390000 | .        |
| McInnes et al. 1992                      | temperate and tropical shrublands and forests | terrestrial | .            | 228.000900  | 63.999100  | 28.069670 | .           | 1.210000 | .        |
| McInnes et al. 1992                      | temperate and tropical shrublands and forests | terrestrial | .            | 353.998900  | 152.000600 | 42.938156 | .           | 1.260000 | .        |
| McInnes et al. 1992                      | temperate and tropical shrublands and forests | terrestrial | .            | 301.999905  | 60.000160  | 19.867609 | .           | 1.370000 | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 13.21169908 | .          | .         | 0.013483001 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 41.15399548 | .          | .         | 0.015895208 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 56.46689392 | .          | .         | 0.022091513 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 75.99143688 | .          | .         | 0.254805335 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 269.3346511 | .          | .         | 0.026663458 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 367.1727248 | .          | .         | 0.148370268 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | 1810.040000  | 615.414014  | .          | .         | 0.865366424 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 423.206256  | .          | .         | 0.668151443 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 326.8914747 | .          | .         | 1.260613775 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 210.7420355 | .          | .         | 2.164929131 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 232.1704014 | .          | .         | 1.290605239 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical shrublands and forests | terrestrial | .            | 250.8715411 | .          | .         | 0.427423874 | .        | .        |
| Menhinick 1967                           | temperate and tropical shrublands and forests | terrestrial | .            | 221.920000  | 2.029400   | 0.914474  | 0.515881294 | .        | .        |
| Nielsen 1978                             | temperate and tropical shrublands and forests | terrestrial | 100.400000   | 114.610000  | 3.478450   | 3.035032  | .           | .        | .        |
| Ohmart et al. 1983                       | temperate and tropical shrublands and forests | terrestrial | 194.000000   | 74.095000   | 1.241000   | 1.674877  | .           | 0.530000 | 0.034000 |
| Ohmart et al. 1983                       | temperate and tropical shrublands and forests | terrestrial | 145.200000   | 65.335000   | 1.281150   | 1.960894  | .           | 0.570000 | 0.025100 |
| Ohmart et al. 1983                       | temperate and tropical shrublands and forests | terrestrial | 200.000000   | 89.060000   | 2.120650   | 2.381148  | .           | 0.580000 | 0.053700 |
| Proctor et al. 1983                      | temperate and tropical shrublands and forests | terrestrial | 1520.000000  | 332.880000  | 40.880000  | 12.280702 | .           | 1.170000 | .        |
| Proctor et al. 1983                      | temperate and tropical shrublands and forests | terrestrial | 1880.000000  | 264.260000  | 40.880000  | 15.469613 | .           | 0.567000 | .        |
| Proctor et al. 1983                      | temperate and tropical shrublands and forests | terrestrial | 1000.000000  | 318.280000  | 54.020000  | 16.972477 | .           | 0.900000 | .        |
| Proctor et al. 1983                      | temperate and tropical shrublands and forests | terrestrial | 2600.000000  | 246.740000  | 30.660000  | 12.426036 | .           | 0.950000 | .        |
| Reichle and Crossley 1967                | temperate and tropical shrublands and forests | terrestrial | 40.000000    | 89.790000   | 7.993500   | 8.902439  | .           | .        | .        |
| Reichle et al. 1973                      | temperate and tropical shrublands and forests | terrestrial | .            | 327.868000  | 3.600000   | 1.098003  | .           | 0.338900 | 0.061900 |
| Schowalter et al. 1981                   | temperate and tropical shrublands and forests | terrestrial | .            | 127.998200  | 8.000070   | 6.250143  | 0.166879795 | .        | .        |
| Soholt 1973                              | temperate and tropical shrublands and forests | terrestrial | .            | 13.542960   | 0.934473   | 6.900065  | .           | .        | .        |
| Svensson and Roswall 1980                | temperate and tropical shrublands and forests | terrestrial | 196.800000   | 56.940000   | 0.361350   | 0.634615  | .           | .        | .        |
| Tanner 1980                              | temperate and tropical shrublands and forests | terrestrial | 315.294118   | 195.640000  | .          | .         | .           | 1.050000 | 0.050000 |
| Van Cleve et al. 1981                    | temperate and tropical shrublands and forests | terrestrial | 927.152318   | 51.100000   | .          | .         | .           | 0.390000 | 0.083300 |
| Van Cleve et al. 1981                    | temperate and tropical shrublands and forests | terrestrial | 597.727273   | 28.798500   | .          | .         | .           | 0.210000 | 0.033000 |
| Van Cleve et al. 1983                    | temperate and tropical shrublands and forests | terrestrial | 4478.856462  | 188.000000  | .          | .         | .           | 0.250000 | 0.025600 |
| Van Cleve et al. 1983                    | temperate and tropical shrublands and forests | terrestrial | 4422.700587  | 226.000000  | .          | .         | .           | 0.240000 | 0.024500 |
| Van Cleve et al. 1983                    | temperate and tropical shrublands and forests | terrestrial | 6975.580703  | 146.400000  | .          | .         | .           | 0.140000 | 0.017700 |
| Van Cleve et al. 1983                    | temperate and tropical shrublands and forests | terrestrial | 2036.770007  | 45.200000   | .          | .         | .           | 0.240000 | 0.036000 |
| Van Cleve et al. 1983                    | temperate and tropical shrublands and forests | terrestrial | 4839.452055  | 220.800000  | .          | .         | .           | 0.210000 | 0.026800 |
| Varley 1970                              | temperate and tropical shrublands and forests | terrestrial | .            | 496         | .          | .         | .           | 0.73     | .        |
| Whittaker 1975                           | temperate and tropical shrublands and forests | terrestrial | 164.000000   | 157.680000  | 12.665500  | 8.032407  | .           | .        | .        |
| Whittaker and Woodwell 1969              | temperate and tropical shrublands and forests | terrestrial | .            | 342.800700  | 9.719950   | 2.835452  | .           | .        | .        |
| Aerts 1989                               | temperate and tropical grasslands             | terrestrial | 80.000000    | 216.080000  | .          | .         | .           | 0.955000 | 0.035000 |
| Aerts et al. 1992                        | temperate and tropical grasslands             | terrestrial | 40.645161    | 45.990000   | .          | .         | .           | 0.700000 | 0.125000 |
| Aerts et al. 1992                        | temperate and tropical grasslands             | terrestrial | 38.194444    | 40.150000   | .          | .         | .           | 1.400000 | 0.050000 |
| Auclair et al. 1976                      | temperate and tropical grasslands             | terrestrial | 322.800000   | 327.999950  | .          | .         | .           | .        | .        |
| Boyer and Wheeler 1989                   | temperate and tropical grasslands             | terrestrial | 64.770932    | 149.650000  | .          | .         | .           | 1.200000 | 0.700000 |
| Boyer and Wheeler 1989                   | temperate and tropical grasslands             | terrestrial | 150.931677   | 88.695000   | .          | .         | .           | 0.940000 | 0.400000 |
| Collins and Steinauer 1998, unpubl. Data | temperate and tropical grasslands             | terrestrial | 91.458       | 182.916     | .          | .         | .           | 1.32     | .        |
| Coppock et al. 1983                      | temperate and tropical grasslands             | terrestrial | 32.000000    | 76.650000   | 36.500000  | 47.619048 | .           | 2.230000 | .        |
| Damman 1978                              | temperate and tropical grasslands             | terrestrial | 52.009132    | 41.573500   | .          | .         | .           | 0.980000 | 0.084000 |
| Damman 1978                              | temperate and tropical grasslands             | terrestrial | 38.059701    | 37.230000   | .          | .         | .           | 0.410000 | 0.035000 |
| Day and Detling 1990                     | temperate and tropical grasslands             | terrestrial | .            | 56.246500   | 7.318250   | 13.011032 | .           | 1.080000 | .        |
| Edroma 1984                              | temperate and tropical grasslands             | terrestrial | .            | 190.000750  | 46.000950  | 24.210931 | .           | .        | .        |
| Frank and McNaughton 1992                | temperate and tropical grasslands             | terrestrial | .            | 120.997500  | 54.458000  | 45.007541 | .           | 2.100000 | .        |
| Gandar 1982                              | temperate and tropical grasslands             | terrestrial | 8.650000     | 30.660000   | 12.994000  | 42.380952 | .           | .        | .        |
| Gandar 1982                              | temperate and tropical grasslands             | terrestrial | 6.400000     | 17.520000   | 4.336200   | 24.750000 | .           | .        | .        |
| Lock 1972                                | temperate and tropical grasslands             | terrestrial | .            | 200.921550  | 56.921750  | 28.330336 | .           | .        | .        |
| McNaughton 1985                          | temperate and tropical grasslands             | terrestrial | 33.470000    | 265.720000  | 175.200000 | 65.934066 | 0.733       | 1.470000 | 0.373000 |
| McNaughton 1985                          | temperate and tropical grasslands             | terrestrial | 40.000000    | 328.000000  | 248.000000 | 75.609756 | 0.849       | 2.520000 | 0.444000 |
| McNaughton et al. 1989                   | temperate and tropical grasslands             | terrestrial | .            | 62.61138244 | .          | .         | 0.023706072 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical grasslands             | terrestrial | .            | 43.89844399 | .          | .         | 0.106754852 | .        | .        |
| McNaughton et al. 1989                   | temperate and tropical grasslands             | terrestrial | .            | 172.5186675 | .          | .         | 0.120072762 | .        | .        |

|                               |                                   |             |              |             |            |           |             |             |          |          |
|-------------------------------|-----------------------------------|-------------|--------------|-------------|------------|-----------|-------------|-------------|----------|----------|
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 103.5959644 | .          | .         | .           | 0.17491478  | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 105.6218997 | .          | .         | .           | 0.226543517 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 136.7421673 | .          | .         | .           | 0.580238655 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | 427.590091   | 611.4538298 | .          | .         | .           | 3.989692704 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | 363.860431   | 520.3204158 | .          | .         | .           | 3.989692704 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 324.7879307 | .          | .         | .           | 0.540720122 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 306.4548318 | .          | .         | .           | 0.608176183 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 469.2577704 | .          | .         | .           | 1.451611169 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 428.7059422 | .          | .         | .           | 1.35274574  | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 396.7481933 | .          | .         | .           | 1.174756677 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 371.9442393 | .          | .         | .           | 1.321310236 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 287.2958496 | .          | .         | .           | 1.020186728 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 255.7776153 | .          | .         | .           | 0.825614459 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 196.2954971 | .          | .         | .           | 0.825614459 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 250.8715411 | .          | .         | .           | 1.451611169 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 212.106942  | .          | .         | .           | 1.120792384 | .        | .        |
| McNaughton et al. 1989        | temperate and tropical grasslands | terrestrial | .            | 212.106942  | .          | .         | .           | 0.354134121 | .        | .        |
| Pakarinen 1978                | temperate and tropical grasslands | terrestrial | 178.531073   | 115.340000  | .          | .         | .           | .           | 0.830000 | .        |
| Pakarinen 1978                | temperate and tropical grasslands | terrestrial | 132.911392   | 76.650000   | .          | .         | .           | .           | 0.700000 | 0.035000 |
| Ritchie, 1989-1999            | temperate and tropical grasslands | terrestrial | 17.74        | 35.48       | .          | .         | .           | 0.0996      | .        | .        |
| Ritchie et al. 1998           | temperate and tropical grasslands | terrestrial | .            | 99.999000   | 45.000850  | 45.001300 | .           | .           | 1.450000 | .        |
| Scott et al. 1979             | temperate and tropical grasslands | terrestrial | 85.030000    | 121.600000  | 9.320000   | 7.664474  | 0.216136885 | .           | 1.625000 | 0.180000 |
| Sinclair 1975                 | temperate and tropical grasslands | terrestrial | 116.560000   | 239.075000  | 65.700000  | 27.480916 | 0.337866414 | .           | 1.440000 | 0.220000 |
| Strugnell and Pigott 1978     | temperate and tropical grasslands | terrestrial | 98.520000    | 306.600000  | 164.250000 | 53.571429 | .           | .           | 1.600000 | .        |
| Thornton 1971                 | temperate and tropical grasslands | terrestrial | .            | 190.000750  | 46.000950  | 24.210931 | .           | .           | .        | .        |
| Van Hook 1971                 | temperate and tropical grasslands | terrestrial | 56.880000    | 127.385000  | 12.300500  | 9.656160  | 0.267073789 | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 56.000000    | 87.965000   | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 132.000000   | 140.160000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 240.000000   | 500.050000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 134.000000   | 247.835000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 178.000000   | 368.650000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 390.000000   | 700.800000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 90.000000    | 100.010000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 96.000000    | 100.010000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 276.000000   | 540.200000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 310.000000   | 598.600000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 228.000000   | 267.910000  | .          | .         | .           | .           | .        | .        |
| Whealer and Shaw 1991         | temperate and tropical grasslands | terrestrial | 200.000000   | 278.130000  | .          | .         | .           | .           | .        | .        |
| Wiegert and Evans 1964        | temperate and tropical grasslands | terrestrial | 424.100000   | 594.950000  | 8.176000   | 1.374233  | .           | .           | .        | .        |
| Wiegert and Evans 1964        | temperate and tropical grasslands | terrestrial | 296.200000   | 199.509000  | 2.555000   | 1.280644  | .           | .           | .        | .        |
| Brown et al. 1984             | mangroves                         | terrestrial | 3073.193916  | 118.004500  | .          | .         | .           | .           | .        | .        |
| Christensen 1978              | mangroves                         | terrestrial | .            | 1080.400000 | 16.060000  | 1.486486  | .           | .           | .        | .        |
| Emmerson and McGwynne 1992    | mangroves                         | terrestrial | .            | 525.600000  | 29.200000  | 5.555556  | .           | .           | .        | .        |
| Flores-Verdugo et al. 1987    | mangroves                         | terrestrial | .            | 463.550000  | .          | .         | .           | .           | .        | .        |
| Golley et al. 1962            | mangroves                         | terrestrial | 1842.200000  | 1438.892050 | 36.500000  | 2.536674  | 1.000000    | .           | .        | .        |
| Johnstone 1981                | mangroves                         | terrestrial | .            | 1533.000000 | 33.580000  | 2.190476  | .           | .           | .        | .        |
| Lee 1989                      | mangroves                         | terrestrial | .            | 876.000000  | 47.450000  | 5.416667  | .           | .           | .        | .        |
| Li and Lee 1998               | mangroves                         | terrestrial | .            | 700.800000  | 26.207000  | 3.739583  | .           | .           | .        | .        |
| Li and Lee 1998               | mangroves                         | terrestrial | .            | 868.700000  | 27.995500  | 3.222689  | .           | .           | .        | .        |
| Nessel 1978                   | mangroves                         | terrestrial | 11370.967742 | 514.650000  | .          | .         | .           | .           | .        | 0.013900 |
| Odum 1971                     | mangroves                         | terrestrial | .            | 900.017000  | 23.039530  | 2.559899  | .           | .           | .        | .        |
| Omuf et al. 1977              | mangroves                         | terrestrial | .            | 1694.151150 | 105.850000 | 6.247967  | .           | .           | .        | .        |
| Onq 1993                      | mangroves                         | terrestrial | .            | 900.017000  | .          | .         | .           | .           | .        | .        |
| Onq et al. 1982               | mangroves                         | terrestrial | .            | .           | .          | .         | .           | .           | 0.655000 | .        |
| Robertson and Daniel 1989     | mangroves                         | terrestrial | .            | 599.987000  | 15.800120  | 2.633410  | .           | .           | .        | .        |
| Schlesinger 1978              | mangroves                         | terrestrial | 12285.251216 | 276.670000  | .          | .         | .           | .           | 0.330000 | 0.014900 |
| Twilley et al. 1986           | mangroves                         | terrestrial | 6800.000000  | 199.311900  | .          | .         | .           | .           | .        | .        |
| Twilley et al. 1986           | mangroves                         | terrestrial | 6544.000000  | 118.887800  | .          | .         | .           | .           | .        | .        |
| Twilley et al. 1986           | mangroves                         | terrestrial | 4460.000000  | 181.828400  | .          | .         | .           | .           | .        | .        |
| Van der Walk and Attwill 1984 | mangroves                         | terrestrial | .            | 104.901000  | .          | .         | .           | .           | .        | .        |
| Wolff et al. 2000             | mangroves                         | terrestrial | .            | 507.000000  | 13.500000  | 2.662722  | .           | 0.981875    | 0.060650 | .        |



# Supporting Information: Data Set for Figure 2 in Main Text

| system | ref  | herbivore ID           | herbivore ID2 | common name group | Nh         | N max       | N min      | N SD       | Ph         | P max      | P min      | P SD       | study mean h | study mean h N source | P source          | notes  |   |
|--------|--|------------------------|---------------|-------------------|------------|-------------|------------|------------|------------|------------|------------|------------|--------------|-----------------------|-------------------|--|---|
|        | 1 Baird and Ulanowicz 1989                 |                        |               | oysters           | 9.39       |             |            |            | 0.084      |            |            |            |              |                       |                   |  |   |
|        | 1 Baird and Ulanowicz 1989                 | Mya                    | arenaria      | invertebrate      | 10.7       |             |            |            | 0.084      |            |            |            |              |                       |                   | up to trophic position 2.5, used abalone         |   |
|        | 2 Baird and Ulanowicz 1989                 |                        |               | zooplankton       | 7.73213148 |             |            |            | 0.82336711 |            |            |            |              |                       |                   | up to trophic position 2.5, used average copepod |   |
|        | 53 Baird and Ular Kromme                   | zooplankton            |               | invertebrate      | 7.73213148 |             |            |            | 0.82336711 |            |            |            |              |                       |                   |  |   |
|        | 54 Baird and Ular Ythan                    | zooplankton            |               | invertebrate      | 7.73213148 |             |            |            | 0.82336711 |            |            |            |              |                       |                   |  |   |
|        | 55 Baird and Ular Emis                     | zooplankton            |               | invertebrate      | 7.73213148 |             |            |            | 0.82336711 |            |            |            |              |                       |                   |  |   |
|        | 56 Baird and Ular Swartkops                | zooplankton            |               | invertebrate      | 7.73213148 |             |            |            | 0.82336711 |            |            |            |              |                       |                   |  |   |
|        | 57 Baird and Ular Emis                     | benthos                |               | invertebrate      | 10.045     |             |            |            | 1.01       |            |            |            |              |                       |                   |  |   |
|        | 58 Baird and Ular Ythan                    | benthos                |               | invertebrate      | 10.045     |             |            |            | 1.01       |            |            |            |              |                       |                   |  |   |
|        | 59 Baird and Ular Swartkops                | benthos                |               | invertebrate      | 10.045     |             |            |            | 1.01       |            |            |            |              |                       |                   |  |   |
|        | 60 Baird and Ular Kromme                   | benthos                |               | invertebrate      | 10.045     |             |            |            | 1.01       |            |            |            |              |                       |                   |  |   |
|        | 3 Billings 1987                            |                        |               | leminings         | 11.6       |             |            |            | 2.76       |            |            |            |              |                       |                   | Hayssen91 d. Hayssen91 d. microps                |   |
|        | 61 Bliss 1975                              |                        |               | snow geese        | bird       |             |            |            | 3.43       |            |            |            |              |                       |                   | Dierenfeld07 r. Gillooly&Allen05 rabbit          |   |
|        | 61 Bliss 1975                              |                        |               | arctic hare       | mammal     | 11.3        |            |            | 2.88       |            |            |            |              |                       |                   | Dierenfeld07 r. Gillooly&Allen05 rabbit          |   |
|        | 61 Bliss 1975                              |                        |               | collared lemming  | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   | Hayssen91 d. Hayssen91 d. microps                |   |
|        | 61 Bliss 1975                              |                        |               | muskox            | mammal     | 9.6         |            |            | 2.88       |            |            |            |              |                       |                   | Dierenfeld07 r. Gillooly&Allen05 bull            |   |
|        | 62 Bliss 1975                              |                        |               | snow geese        | bird       |             |            |            | 3.43       |            |            |            |              |                       |                   | Dierenfeld07 r. Gillooly&Allen05 rabbit          |   |
|        | 62 Bliss 1975                              |                        |               | arctic hare       | mammal     | 11.3        |            |            | 2.88       |            |            |            |              |                       |                   | Hayssen91 d. Hayssen91 d. microps                |   |
|        | 62 Bliss 1975                              |                        |               | collared lemming  | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   | Dierenfeld07 r. Gillooly&Allen05 rabbit          |   |
|        | 62 Bliss 1975                              |                        |               | muskox            | mammal     | 9.6         |            |            | 2.88       |            |            |            |              |                       |                   | Dierenfeld07 r. Gillooly&Allen05 bull            |   |
|        | 4 Brown et al 1991                         | Clausocalanus furcatus |               | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Corycaella             | cinconia      | protozoan         | 6.99943452 | 8.61230329  | 5.4919608  | 0.80682275 | 1.2991027  | 2.5833333  | 0.4434907  | 0.62454483 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Temora                 | discaudata    | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Calanus                | finmarchicus  | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Euterpina              | acutifrons    | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Temora                 | turbinata     | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Pseudodiaptomus        | nodus         | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Calocalanus            | tenous        | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Centropages            | brachiacus    | copepod           | 7.90389332 | 9.19320268  | 6.76328502 | 0.85719415 | 0.8847793  | 1.17424242 | 0.7380924  | 0.2518097  | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Calanus                | cinconia      | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Metridia               | lucens        | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Nannocalanus           | minor         | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Clausocalanus          | arcuicornis   | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Paracalanus            | parvus        | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Paracalanus            | crassirostris | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 4 Brown et al 1991                         | Brachionus             | varius        | copepod           | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 | 7.69707304   | 0.85634546            |                   | S Afr J Mar Sci 11: 537                          |   |
|        | 5 Bustamante et al. 1995                   | Patella                | granularis    | patellid limpet   | 12.138     |             |            |            | 0.436677   |            |            |            |              |                       |                   | Used chiton value, which is anomalously low      |   |
|        | 6 Cammen 1980                              | Nereis                 | succinea      | polychaete        | 10.57      |             |            |            | 0.281827   |            |            |            |              |                       |                   | Used Tritochota sponge value                     |   |
|        | 7 Chapin et al 1980                        | leminings              |               | mammal            | 11.6       |             |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Dipodomys              | merriami      | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Onychomys              | torturus      | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Lepus                  | californicus  | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Peromyscus             | eremicus      | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Ammospermophilus       | harrisi       | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Spermophilus           | spilosoma     | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Sylvilagus             | auduboni      | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Peromyscus             | flavus        | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Peromyscus             | maniculatus   | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Reithrodontomys        | megakotis     | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Neotoma                | albigula      | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Perognathus            | balleyi       | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 8 Chew and Chew 1970                       | Perognathus            | penicillatus  | rodents           | mammal     | 11.6        |            |            | 2.76       |            |            |            |              |                       |                   |  |   |
|        | 9 Collins and Steinauer 1998, unpubl. data |                        |               |                   |            |             |            |            |            |            |            |            |              |                       |                   |  |   |
|        | 10 Coveney et al. 1977                     | Daphnia                | pulex         | zooplankton       | fw zoop    | 8.46817631  | 9.92       | 7.06833333 | 0.79453088 | 1.19122024 | 1.55       | 0.81       | 0.2187079    | 9.18964371            | 0.97977679        |  | From a sample of 12 Daphnia species from different publications |
|        | 10 Coveney et al. 1977                     | Eudiaptomus            | graciloides   | zooplankton       | fw zoop    | 9.91111111  | 11.1       | 6.9        | 1.58137306 | 0.82336711 | 1.07       | 0.45       | 0.2402013    | 9.18964371            | 0.97977679        |  | From a sample of 6 calanoid species from different publications |
|        | 63 Cyr and Pace 1993a                      | Daphnia                | pulex         | zooplankton       | fw zoop    | 8.25        | 9.92       | 7.06833333 | 1.4872299  | 1.01571428 | 1.17714286 | 0.81       | 0.18735303   | 9.42555556            | 1.21156085        | Elser et al. 2000                                | Elser et al. 2000   |
|        | 63 Cyr and Pace 1993a                      | Ceriodaphnia           | reticulata    | zooplankton       | fw zoop    | 8.7         | 8.7        | 8.7        | 0.205      | 2.05       | 2.05       | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 63 Cyr and Pace 1993a                      | Daphnia                | longispina    | zooplankton       | fw zoop    | 9.25        | 9.25       | 9.25       | 0.615      | 1.51       | 1.51       | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 63 Cyr and Pace 1993a                      | Bosmina                | longirostris  | zooplankton       | fw zoop    | 8.815       | 8.815      | 8.815      | 0.615      | 1.615      | 1.615      | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 63 Cyr and Pace 1993b                      | Daphnia                | pulex         | zooplankton       | fw zoop    | 9.8         | 10         | 9.6        | 0.28284271 | 1.085      | 1.22       | 0.95       | 0.19091883   | 9.42555556            | 1.21156085        | Elser et al. 2000                                | Elser et al. 2000   |
|        | 63 Cyr and Pace 1993b                      | Daphnia                | longispina    | zooplankton       | fw zoop    | 8.815       | 8.815      | 8.815      | 0.615      | 1.615      | 1.615      | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 63 Cyr and Pace 1993b                      | Ceriodaphnia           | reticulata    | zooplankton       | fw zoop    | 8.7         | 8.7        | 8.7        | 0.205      | 2.05       | 2.05       | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 63 Cyr and Pace 1993b                      | Mesocyclops            | leuckarti     | copepod           | fw zoop    | 10.15       | 10.4       | 9.9        | 0.35355339 | 0.905      | 1.16       | 0.65       | 0.36062446   | 9.42555556            | 1.21156085        | Elser et al. 2000                                | Elser et al. 2000   |
|        | 63 Cyr and Pace 1993b                      | Brachionus             | varius        | copepod           | fw zoop    | 12.35       | 12.4       | 12.3       | 0.07071068 | 1.05833333 | 1.05833333 | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 64 Cyr and Pace 1993a                      | Daphnia                | pulex         | zooplankton       | fw zoop    | 8.25        | 9.92       | 7.06833333 | 1.4872299  | 1.01571428 | 1.17714286 | 0.81       | 0.18735303   | 9.42555556            | 1.21156085        | Elser et al. 2000                                | Elser et al. 2000   |
|        | 64 Cyr and Pace 1993a                      | Ceriodaphnia           | reticulata    | zooplankton       | fw zoop    | 8.7         | 8.7        | 8.7        | 0.205      | 2.05       | 2.05       | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 64 Cyr and Pace 1993a                      | Daphnia                | longispina    | zooplankton       | fw zoop    | 9.25        | 9.25       | 9.25       | 0.615      | 1.51       | 1.51       | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 64 Cyr and Pace 1993a                      | Bosmina                | longirostris  | zooplankton       | fw zoop    | 8.815       | 8.815      | 8.815      | 0.615      | 1.615      | 1.615      | 0.0        | 9.42555556   | 1.21156085            | Elser et al. 2000 | Elser et al. 2000                                |   |
|        | 64 Cyr and Pace 1993b                      | Daphnia                | pulex         | zooplankton       | fw zoop    | 9.8         | 10         | 9.6        | 0.28284271 | 1.085      | 1.22       | 0.95       | 0.19091883   | 9.42555556            | 1.21156085        | Elser et al. 2000                                | Elser et al. 2000   |
|        | 64 Cyr and Pace 1993b                      | Daphnia                | longispina    | zooplankton       | fw zoop    | 8.815       | 8.815      | 8.815      | 0.615      | 1.615      | 1.615      | 0.0        | 9.42555556   | 1.21156085            |                   |  |   |



|    |                   |               |               |                |          |            |             |            |            |            |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
|----|-------------------|---------------|---------------|----------------|----------|------------|-------------|------------|------------|------------|------------|------------|------------|--|--|--|--|--|--|--|---------------|-------------------|----------------------|------------------|-----------------|--------------------|
| 47 | Scott et al. 1979 | Curculionidae | .             | Insects        | Insects  | 9.8565     |             |            | 0.77428    | 0.5425     |            |            |            |  |  |  |  |  |  |  | Faen curculio | Fagan curculionid |                      |                  |                 |                    |
| 47 | Scott et al. 1979 | Tenebrionidae | .             | Insects        | Insects  | 8          |             |            | 0.4243     | 1.345      |            |            |            |  |  |  |  |  |  |  |               | Faen tenebric     | Fagan tenebrionid    |                  |                 |                    |
| 47 | Scott et al. 1979 | Carabidae     | .             | Insects        | Insects  |            |             |            |            |            |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 47 | Scott et al. 1979 | Lepidoptera   | .             | larvae         | Insects  | 8.564      |             |            | 1.0937     | 0.9347     |            |            |            |  |  |  |  |  |  |  |               | Faen leiidoo      | Fagan lepidoptera    |                  |                 |                    |
| 48 | Sinclair 1975     | Connochaetes  | taurinus      | nematodes      | invert   | 8.232      |             |            |            | 0.272536   |            |            |            |  |  |  |  |  |  |  |               | Hatcher, ascid    | Hatcher, ascidians   |                  |                 |                    |
| 48 | Sinclair 1975     | Equus         | burchelli     | wildebeest     | mammal   | 9.6        |             |            |            | 2.88       |            |            |            |  |  |  |  |  |  |  |               | Dierenfeld07 t    | Gilooly&Allen05 bull |                  |                 |                    |
| 48 | Sinclair 1975     | Gazella       | thomsonii     |                | mammal   | 9.6        |             |            |            | 2.88       |            |            |            |  |  |  |  |  |  |  |               | Dierenfeld07 t    | Gilooly&Allen05 bull |                  |                 |                    |
| 48 | Sinclair 1975     | Taurotragus   | oryx          | eland          | mammal   | 9.6        |             |            |            | 2.88       |            |            |            |  |  |  |  |  |  |  |               | Dierenfeld07 t    | Gilooly&Allen05 bull |                  |                 |                    |
| 49 | Small et al. 1989 | copepods      | .             | mesozoop       | mar zoop | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Mugil         | cephalus      | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Mugil         | saliens       | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Caspiolosa    | .             | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Clupeonella   | .             | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Engraulis     | .             | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Sardinella    | .             | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Sprattus      | sprattus      | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Syngnathus    | schmidti      | fish           | fish     | 12.5       |             |            |            | 2.5        |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Oikopleura    | .             | zooplankton    | mar zoop | 2.8072     | 4.93        | 1.314      | 1.49286811 | 0.1305     | 0.15       | 0.111      | 0.02757716 |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Penilia       | .             | zooplankton    | mar zoop | 8.46817631 | 9.92        | 7.06833333 | 0.79453088 | 1.19122024 | 1.55       | 0.81       | 0.21287079 |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Paracalanus   | .             | zooplankton    | mar zoop | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 |  |  |  |  |  |  |  |               |                   | used average         | marine calanoid  |                 |                    |
| 50 | Sorokin 1983      | Calanus       | helgolandicus | zooplankton    | mar zoop | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 |  |  |  |  |  |  |  |               |                   | used average         | marine calanoid  |                 |                    |
| 50 | Sorokin 1983      | Pseudocalanus | elongatus     | zooplankton    | mar zoop | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 |  |  |  |  |  |  |  |               |                   | used average         | marine calanoid  |                 |                    |
| 50 | Sorokin 1983      | Centrocaepus  | .             | copepods       | mar zoop | 7.90389332 | 9.1503268   | 6.76288502 | 0.85719415 | 0.88347763 | 1.17424242 | 0.73809524 | 0.2518097  |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Pomella       | .             | copepods       | mar zoop | 7.73213148 | 11.11111111 | 4.02298851 | 1.93306673 | 0.82336711 | 1.64021164 | 0.29693487 | 0.29184236 |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 50 | Sorokin 1983      | Acartia       | .             | copepods       | mar zoop | 7.70172639 | 9.72222222  | 5.36398467 | 1.60174235 | 1.14652077 | 1.64021164 | 0.86834734 | 0.33903071 |  |  |  |  |  |  |  |               |                   |                      | used average     | marine calanoid |                    |
| 51 | Teal 1962         | Prokelisia    | .             | hopper         | Insect   | 9.5528     |             |            | 0.78997    | 0.8049     |            |            | 0.01242    |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Orchelimum    | .             | katydid??      | Insect   | 10.7095    |             |            | 0.0601     | 0.6727     |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Uca           | .             | crabs          | invert   | 6.93333333 | 7.9         | 5.5        | 0.904802   | 1.40166667 | 7.9        | 5.5        | 0.904802   |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Sesarma       | .             | crabs          | invert   | 6.93333333 | 7.9         | 5.5        | 0.904802   | 1.40166667 | 7.9        | 5.5        | 0.904802   |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Mediolus      | .             | mussel         | invert   | 8.53483887 | 9.52380952  | 7.52688172 | 0.78820196 | 0.83951371 | 1.29041667 | 0.54987551 | 0.2593176  |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Littorina     | .             | molluscs       | invert   | 9.1        |             |            |            | 0.566751   |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Oligochaete   | .             | polychaete     | invert   | 10.57      |             |            |            | 0.281827   |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Streptosio    | .             | polychaete     | invert   | 10.57      |             |            |            | 0.281827   |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Capitella     | .             | polychaete     | invert   | 10.57      |             |            |            | 0.281827   |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 51 | Teal 1962         | Manayunkia    | .             | polychaete     | invert   | 10.57      |             |            |            | 0.281827   |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 52 | Van Hook 1971     | Melanoplus    | sanguinipes   | Acrididae      | Insect   | 10.9713    |             |            | 0.70796    | 0.65395    |            |            | 0.1384     |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 52 | Van Hook 1971     | Conocephalus  | fasciatus     | Insect         | Insect   | 10.7595    |             |            | 0.0601     | 0.6727     |            |            |            |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 52 | Van Hook 1971     |               |               | Homoptera/ H   | Insect   | 8.981      |             |            | 2.1489     | 0.8503     |            |            | 0.18719    |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 52 | Van Hook 1971     |               |               | Gryllidae (omr | Insect   | 10.816     |             |            | 1.1839     | 0.6503     |            |            | 0.1141     |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 53 | Weisse et al 1990 | Mesocyclops   | leuckarti     | zooplankton    | invert   | 10.15      | 10.4        | 9.9        | 0.35353339 | 0.905      | 1.16       | 0.65       | 0.36062446 |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 53 | Weisse et al 1990 | Cyclops       | vicinus       | zooplankton    | invert   | 10.85      | 10.85       | 10.85      | 0          | 1.35       | 1.35       | 1.35       | 0          |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 53 | Weisse et al 1990 | Daphnia       | hyalina       | zooplankton    | invert   | 8.21285714 | 8.21285714  | 8.21285714 | 0          | 1.1375     | 1.1375     | 1.1375     | 0          |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
| 53 | Weisse et al 1990 | Daphnia       | galeata       | zooplankton    | invert   | 8.21285714 | 8.21285714  | 8.21285714 | 0          | 1.1375     | 1.1375     | 1.1375     | 0          |  |  |  |  |  |  |  |               |                   |                      |                  |                 |                    |
|    |                   |               |               |                |          |            |             |            |            |            |            |            |            |  |  |  |  |  |  |  |               |                   | Elser et al. 20i     | Elser et al. 20i | used            | Diacyclops thomasi |

## LITERATURE USED FOR THE COMPILATION OF THE DATA SETS

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