

Table 2. Estimates of individual plant mass, mortality and birth rates, half life and ambient temperature for natural populations of photosynthetic organisms. Estimates are provided for species and natural communities of phytoplankton, and species of macroalgae, mosses, ferns, seagrasses, land herbs, salt marsh plants, succulent plants, shrubs, lianas, mangroves and trees. Individual mass was estimated from individual height using published allometric relationships between plant height and mass (1). Phytoplankton mass was estimated from biovolume estimates using published relationships (2). Tree mass (M, in g dry weight) was estimated from diameter at breast height (dbh, in cm) using the regression equation. $M = 78 \text{ dbh}^{2.47}$, fitted for a compilation of data encompassing the broadest range of size for the tree flora for tree dbh > 4 cm (Table 3) . The sources of the plant data are provided. See text for sources of temperature data.

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birth rate (d ⁻¹)	Temperature (K)	Source Plant data
Phytoplankton	Antarctic phytoplanktonic communities	2.1x10 ⁻¹¹	6.8x10 ⁻³	1.0x10 ²		274	3
	Antarctic phytoplanktonic communities	5.1x10 ⁻¹⁰	1.2x10 ⁻³	5.8x10 ²	5.3x10 ⁻¹	274	3
	<i>Dityllum brightwellii</i>	8.3x10 ⁻⁸	2.4x10 ⁻¹	2.9x10 ⁰	5.5x10 ⁻¹		4
	<i>Dityllum brightwellii</i>	8.3x10 ⁻⁸	6.0x10 ⁻²	1.2x10 ¹	5.3x10 ⁻¹		4
	Mediterranean phytoplanktonic community	3.8x10 ⁻¹²	8.6x10 ⁻¹	8.1x10 ⁻¹	1.5x10 ⁰		5
	Mediterranean phytoplanktonic community	1.9x10 ⁻¹²	4.4x10 ⁻²	1.6x10 ¹	4.0x10 ⁻¹		5
	Mediterranean phytoplanktonic community	1.0x10 ⁻¹³	3.7x10 ⁻¹	1.9x10 ⁰		292	6
	Mediterranean phytoplanktonic community	5.6x10 ⁻¹³	6.4x10 ⁻¹	1.1x10 ⁰		296	6
	Mediterranean phytoplanktonic community	5.6x10 ⁻¹³	5.6x10 ⁻¹	1.2x10 ⁰		298	6
	Mediterranean phytoplanktonic community	1.1x10 ⁻¹²	5.3x10 ⁻¹	1.3x10 ⁰		290	6
	<i>Micromonas pusilla</i>	1.9x10 ⁻¹²	5.0x10 ⁻¹	1.4x10 ⁰			7
	<i>Phaeocystis pouchetii</i>	5.1x10 ⁻¹¹	8.0x10 ⁻¹	8.7x10 ⁻¹			7
	<i>Phaeodactyllum tricornutum</i>	1.9x10 ⁻¹¹	8.0x10 ⁻³	8.7x10 ¹	8.7x10 ⁻¹	291	5
	<i>Phaeodactyllum tricornutum</i>	1.9x10 ⁻¹¹	1.8x10 ⁻²	3.9x10 ¹	2.0x10 ⁻¹	291	5
	Tropical NATlantic phytoplanktonic communities	1.1x10 ⁻¹³	1.0x10 ⁰	6.7x10 ⁻¹	2.1x10 ⁰	297	8

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Phytoplankton	Tropical NATlantic phytoplanktonic communities	1.6x10 ⁻¹²	2.2x10 ⁻¹	3.2x10 ⁰	5.3x10 ⁻¹	294	8
	Tropical NATlantic phytoplanktonic communitiess	4.9x10 ⁻¹³	2.5x10 ⁰	2.8x10 ⁻¹		297	8
	Tropical NATlantic phytoplanktonic communities	1.9x10 ⁻¹²	3.1x10 ⁻¹	2.2x10 ⁰		296	8
	Tropical NATlantic phytoplanktonic communities	2.0x10 ⁻¹³	8.1x10 ⁻¹	8.6x10 ⁻¹	3.0x10 ⁰	297	8
	Tropical NATlantic phytoplanktonic communities	1.8x10 ⁻¹²	1.7x10 ⁻¹	4.1x10 ⁰	1.3x10 ⁰	293	8
	Tropical NATlantic phytoplanktonic communities	3.0x10 ⁻¹³	1.9x10 ⁰	3.6x10 ⁻¹		298	8
	Tropical NATlantic phytoplanktonic communities	4.7x10 ⁻¹²	1.8x10 ⁻¹	3.9x10 ⁰		293	8
	Tropical NATlantic phytoplanktonic communities	1.8x10 ⁻¹²	1.4x10 ⁻¹	5.0x10 ⁰	3.7x10 ⁰	295	8
	Tropical NATlantic phytoplanktonic communities	1.2x10 ⁻¹²	5.0x10 ⁻²	1.4x10 ¹	3.6x10 ⁰	294	8
	Tropical NATlantic phytoplanktonic communities	2.5x10 ⁻¹²	2.0x10 ⁻²	3.5x10 ¹		295	8
	Tropical NATlantic phytoplanktonic communities	3.4x10 ⁻¹¹	2.2x10 ⁻²	3.2x10 ¹		295	8
	Tropical NATlantic phytoplanktonic communities	3.2x10 ⁻¹²	3.0x10 ⁻¹	2.3x10 ⁰	1.9x10 ⁰	298	8
	Tropical NATlantic phytoplanktonic communities	3.2x10 ⁻¹⁰	8.9x10 ⁻²	7.8x10 ⁰	4.9x10 ⁻¹	295	8
	Tropical NATlantic phytoplanktonic communities	3.4x10 ⁻¹⁵	6.4x10 ⁻¹	1.1x10 ⁰		300	8
	Tropical NATlantic phytoplanktonic communities	6.1x10 ⁻¹⁴	1.0x10 ⁻¹	6.9x10 ⁰		293	8
	Tropical NATlantic phytoplanktonic communities	6.4x10 ⁻¹⁰	5.9x10 ⁻¹	1.2x10 ⁰	2.9x10 ⁰	301	8
	Tropical NATlantic phytoplanktonic communities	4.5x10 ⁻¹²	1.6x10 ⁻¹	4.3x10 ⁰	4.0x10 ⁻²	292	8
	Tropical NATlantic phytoplanktonic communities	2.1x10 ⁻¹⁴	4.3x10 ⁻¹	1.6x10 ⁰		300	8

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Phytoplankton	Tropical NATlantic phytoplanktonic communities	4.5x10 ⁻¹²	9.1x10 ⁻²	7.6x10 ⁰		291	8
	Tropical NATlantic phytoplanktonic communities	5.0x10 ⁻¹⁵	4.5x10 ⁻¹	1.5x10 ⁰	3.7x10 ⁰	302	8
	Tropical NATlantic phytoplanktonic communities	6.1x10 ⁻¹³	5.6x10 ⁻²	1.2x10 ¹	6.8x10 ⁻¹	291	8
	Tropical NATlantic phytoplanktonic communities	4.3x10 ⁻¹⁴	2.6x10 ⁻¹	2.7x10 ⁰	2.1x10 ⁰	302	8
	Tropical NATlantic phytoplanktonic communities	2.8x10 ⁻¹³	4.0x10 ⁻²	1.7x10 ¹	3.3x10 ⁻¹	291	8
	Tropical NATlantic phytoplanktonic communities	7.8x10 ⁻¹⁵	1.0x10 ⁰	6.9x10 ⁻¹		302	8
	Tropical NATlantic phytoplanktonic communities	1.3x10 ⁻¹³	1.0x10 ⁻²	6.9x10 ¹		290	8
	Tropical NATlantic phytoplanktonic communities	7.6x10 ⁻¹⁵	6.2x10 ⁻¹	1.1x10 ⁰		302	8
	Tropical NATlantic phytoplanktonic communities	3.2x10 ⁻¹²	5.7x10 ⁻²	1.2x10 ¹	1.7x10 ⁰	290	8
	Tropical NATlantic phytoplanktonic communities	7.9x10 ⁻¹⁵	3.7x10 ⁻¹	1.9x10 ⁰		302	8
	Tropical NATlantic phytoplanktonic communities	1.9x10 ⁻¹³	7.1x10 ⁻²	9.8x10 ⁰		297	8
	Tropical NATlantic phytoplanktonic communities	3.9x10 ⁻¹⁵	8.0x10 ⁻¹	8.7x10 ⁻¹	1.1x10 ⁰	302	8
	Tropical NATlantic phytoplanktonic communities	3.7x10 ⁻¹³	8.7x10 ⁻²	8.0x10 ⁰	1.9x10 ⁻¹	293	8
	Tropical NATlantic phytoplanktonic communities	1.3x10 ⁻¹⁴	6.4x10 ⁻¹	1.1x10 ⁰		302	8
	Tropical NATlantic phytoplanktonic communities	7.3x10 ⁻¹³	6.9x10 ⁻²	1.0x10 ¹		293	8
	Macroalgae	<i>Ascophyllum nodosum</i>	1.7x10 ¹	1.3x10 ⁻³	5.2x10 ²		283
<i>Ascophyllum nodosum</i>		2.8x10 ¹	1.6x10 ⁻³	4.4x10 ²		283	9,10
<i>Ascophyllum nodosum</i>		2.3x10 ¹	3.4x10 ⁻⁴	2.1x10 ³		283	9,10
<i>Ascophyllum nodosum</i>		4.3x10 ¹	1.3x10 ⁻³	5.2x10 ²		283	9,10

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Macroalgae	<i>Ascophyllum nodosum</i>	3.7x10 ¹	2.1x10 ⁻³	3.3x10 ²		283	9,10
	<i>Ascophyllum nodosum</i>	3.6x10 ¹	2.2x10 ⁻⁴	3.1x10 ³		283	9,10
	<i>Carpophyllum maschalocarpum</i>	4.0x10 ⁰	4.0x10 ⁻³	1.7x10 ²		291	11
	<i>Carpophyllum maschalocarpum</i>	1.1x10 ⁻²	1.1x10 ⁻³	6.2x10 ²		291	11
	<i>Carulterpa prolifera</i>	5.0x10 ⁻²	2.4x10 ⁻³	2.9x10 ²	1.5x10 ⁻²	294	Marbà unpublished
	<i>Carulterpa racemosa</i>	1.6x10 ⁻³	5.8x10 ⁻²	1.2x10 ¹	3.8x10 ⁻²	294	Marbà unpublished
	<i>Carulterpa taxifolia</i>	3.2x10 ⁻²	7.7x10 ⁻³	9.0x10 ¹	1.1x10 ⁻²	294	Marbà unpublished
	<i>Codium bursa</i>	4.2x10 ⁰	5.6x10 ⁻³	1.2x10 ²		290	12
	<i>Codium bursa</i>	4.2x10 ⁰	2.5x10 ⁻⁴	2.8x10 ³		290	12
	<i>Codium bursa</i>	4.2x10 ⁰	5.1x10 ⁻³	1.4x10 ²		290	12
	<i>Codium fragile ssp. tormentosoides</i>	7.3x10 ⁰	7.3x10 ⁻³	9.5x10 ¹		288	13
	<i>Costaria costaria</i>	3.9x10 ¹	2.4x10 ⁻²	2.9x10 ¹		284	14
	<i>Cystoseira humilis</i>	3.1x10 ⁻¹	4.1x10 ⁻³	1.7x10 ²		291	15
	<i>Eisenia arborea</i>		2.2x10 ⁻³	3.2x10 ²		291	16
	<i>Fucus distichus</i>	1.3x10 ⁻²	4.6x10 ⁻³	1.5x10 ²		284	17
	<i>Fucus distichus</i>	7.3x10 ⁻⁴	8.3x10 ⁻³	8.3x10 ¹		284	17
	<i>Fucus distichus</i>	6.7x10 ⁻³	5.8x10 ⁻³	1.2x10 ²		284	17
	<i>Fucus distichus</i>	4.0x10 ⁻²	6.7x10 ⁻³	1.0x10 ²		284	17
	<i>Fucus distichus</i>	3.5x10 ⁻¹	3.9x10 ⁻³	1.8x10 ²		284	17
	<i>Fucus gardneri</i>	1.2x10 ⁰	1.8x10 ⁻³	3.9x10 ²		286	18
	<i>Fucus gardneri</i>	2.2x10 ⁻¹	1.4x10 ⁻³	4.9x10 ²		286	18
	<i>Laminaria longicuris</i>	1.5x10 ³	2.9x10 ⁻³	2.4x10 ²		283	19
	<i>Laminaria saccharina</i>	5.8x10 ⁰	1.1x10 ⁻²	6.3x10 ¹		285	20
<i>Laminaria saccharina</i>	1.0x10 ¹	9.5x10 ⁻³	7.3x10 ¹		285	20	
<i>Laminaria saccharina</i>	1.2x10 ¹	1.5x10 ⁻²	4.6x10 ¹		285	20	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Macroalgae	<i>Leathesia difformis</i>	1.4x10 ⁻²	1.2x10 ⁻²	5.8x10 ¹		283	21
	<i>Nereocystis luetkeana</i>	4.2x10 ¹	3.6x10 ⁻²	2.0x10 ¹		284	14
	<i>Palmaria palmata</i>	6.0x10 ⁻²	6.4x10 ⁻³	1.1x10 ²		289	22
	<i>Pelagophycus porra</i>		3.7x10 ⁻³	1.9x10 ²		290	23
	<i>Pelvetia fastigiata</i>	6.9x10 ²	3.1x10 ⁻³	2.3x10 ²	2.6x10 ⁻⁴	290	24
	<i>Sargassum sinclairii</i>	2.2x10 ¹	8.4x10 ⁻³	8.3x10 ¹		291	11
	<i>Sargassum sinclairii</i>	3.8x10 ⁻²	5.7x10 ⁻³	1.2x10 ²		291	11
	<i>Sargassum spp.</i>	3.8x10 ⁰	7.4x10 ⁻³	9.4x10 ¹	7.9x10 ⁻³	293	25
Mosses	<i>Drepanocladus exannulatus</i>	1.6x10 ⁻²	6.7x10 ⁻⁴	1.0x10 ³		285	26
	<i>Drepanocladus exannulatus</i>	1.9x10 ⁻²	1.4x10 ⁻³	4.9x10 ²		282	26
	<i>Drepanocladus exannulatus</i>	1.8x10 ⁻²	1.4x10 ⁻³	5.0x10 ²		279	26
	<i>Sphagnum subsecundum</i>	1.7x10 ⁻²	2.8x10 ⁻³	2.5x10 ²		285	26
	<i>Sphagnum subsecundum</i>	1.6x10 ⁻²	2.5x10 ⁻³	2.8x10 ²		282	26
	<i>Sphagnum subsecundum</i>	2.8x10 ⁻²	2.0x10 ⁻³	3.4x10 ²		282	26
	<i>Sphagnum subsecundum</i>	3.3x10 ⁻²	1.5x10 ⁻³	4.5x10 ²		279	26
Ferns	<i>Asplenium sphaerosporum</i>				2.8x10 ⁻⁴	292	27
	<i>Pleopeltis crassinervata</i>		1.9x10 ⁻⁴	3.6x10 ³	1.9x10 ⁻⁴	292	27
	<i>Polypodium furfuraceum</i>		4.6x10 ⁻⁴	1.5x10 ³	1.2x10 ⁻⁴	292	27
	<i>Polypodium plesiosorum</i>		1.3x10 ⁻⁴	5.2x10 ³	2.0x10 ⁻⁴	292	27
Seagrasses	<i>Amphibolis antarctica</i>	3.3x10 ⁻¹	1.6x10 ⁻³	4.3x10 ²	1.7x10 ⁻³	292	28
	<i>Amphibolis griffithii</i>	6.7x10 ⁻¹	3.0x10 ⁻³	2.3x10 ²	9.4x10 ⁻⁴	292	28
	<i>Cymodocea nodosa</i>	3.8x10 ⁻²	7.4x10 ⁻³	9.4x10 ¹	8.0x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	1.9x10 ⁻²	2.9x10 ⁻³	2.4x10 ²	1.2x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>		2.4x10 ⁻³	2.9x10 ²	2.4x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>		1.1x10 ⁻³	6.6x10 ²	2.8x10 ⁻³	292	Duarte unpublished

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source
							Plant data
Seagrasses	<i>Cymodocea nodosa</i>	1.8x10 ⁻²	6.9x10 ⁻³	1.0x10 ²	4.6x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	7.0x10 ⁻³	3.8x10 ⁻³	1.8x10 ²	3.4x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	3.3x10 ⁻²	2.1x10 ⁻³	3.2x10 ²	4.9x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	1.8x10 ⁻²	3.4x10 ⁻³	2.1x10 ²	4.0x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	1.1x10 ⁻²	1.8x10 ⁻³	3.8x10 ²	1.1x10 ⁻³	290	Duarte unpublished
	<i>Cymodocea nodosa</i>	2.2x10 ⁻²	1.9x10 ⁻³	3.6x10 ²	1.4x10 ⁻³	290	Duarte unpublished
	<i>Cymodocea nodosa</i>	3.0x10 ⁻²	3.3x10 ⁻³	2.1x10 ²	5.8x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	4.9x10 ⁻²	1.7x10 ⁻³	4.2x10 ²	1.7x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	4.1x10 ⁻²	3.8x10 ⁻³	1.8x10 ²	1.9x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	2.3x10 ⁻²	1.0x10 ⁻³	6.9x10 ²	1.9x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	3.0x10 ⁻²	2.7x10 ⁻³	2.6x10 ²	3.2x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	7.0x10 ⁻²	3.6x10 ⁻³	1.9x10 ²	3.0x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	5.0x10 ⁻²	3.4x10 ⁻³	2.1x10 ⁺⁰²	5.6x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	3.0x10 ⁻²	1.1x10 ⁻³	6.2x10 ²	3.2x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	5.2x10 ⁻²	1.6x10 ⁻³	4.5x10 ²	4.4x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	4.0x10 ⁻²	1.9x10 ⁻³	3.7x10 ²	4.4x10 ⁻³	293	Duarte unpublished
	<i>Cymodocea nodosa</i>	1.3x10 ⁻¹	6.7x10 ⁻³	1.0x10 ²	8.0x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	1.0x10 ⁻¹	4.0x10 ⁻³	1.7x10 ²	9.3x10 ⁻³	292	Duarte unpublished

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source
							Plant data
Seagrasses	<i>Cymodocea nodosa</i>	1.3x10 ⁻²	6.5x10 ⁻³	1.1x10 ²	6.9x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	1.9x10 ⁻²	6.4x10 ⁻³	1.1x10 ²	6.4x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	2.2x10 ⁻²	1.4x10 ⁻²	4.9x10 ¹		292	Duarte unpublished
	<i>Cymodocea nodosa</i>	5.3x10 ⁻²	1.4x10 ⁻³	4.9x10 ²	2.6x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>	2.8x10 ⁻²	2.2x10 ⁻³	3.2x10 ²	2.8x10 ⁻³	292	Duarte unpublished
	<i>Cymodocea nodosa</i>		5.7x10 ⁻³	1.2x10 ²	4.4x10 ⁻³	290	Duarte unpublished
	<i>Cymodocea nodosa</i>	1.8x10 ⁻¹	3.8x10 ⁻³	1.8x10 ²	3.6x10 ⁻⁴	290	29
	<i>Cymodocea nodosa</i>	2.9x10 ⁻¹	1.0x10 ⁻²	6.7x10 ¹	6.5x10 ⁻³	290	29
	<i>Cymodocea nodosa</i>	1.3x10 ⁻¹	3.3x10 ⁻³	2.1x10 ²	7.5x10 ⁻⁴	290	29
	<i>Cymodocea nodosa</i>	3.2x10 ⁻¹	2.8x10 ⁻³	2.5x10 ²	3.9x10 ⁻⁴	290	29
	<i>Cymodocea nodosa</i>	2.7x10 ⁻¹	2.9x10 ⁻³	2.4x10 ²	8.1x10 ⁻⁴	290	29
	<i>Cymodocea nodosa</i>	2.5x10 ⁻¹	4.5x10 ⁻³	1.5x10 ²	2.4x10 ⁻³	293	30
	<i>Cymodocea nodosa</i>	2.0x10 ⁻¹	2.4x10 ⁻³	2.9x10 ²	2.3x10 ⁻³	293	30
	<i>Cymodocea nodosa</i>	1.3x10 ⁻¹	2.6x10 ⁻³	2.7x10 ²	2.2x10 ⁻³	293	30
	<i>Cymodocea nodosa</i>	1.3x10 ⁻¹	8.5x10 ⁻³	8.2x10 ¹	3.7x10 ⁻³	295	31
	<i>Cymodocea nodosa</i>		9.9x10 ⁻⁴	7.0x10 ²	2.9x10 ⁻⁴	290	Marbà unpublished
	<i>Cymodocea nodosa</i>		9.3x10 ⁻⁴	7.4x10 ²	7.8x10 ⁻⁴	290	Marbà unpublished
	<i>Cymodocea rotundata</i>	1.2x10 ⁻¹	2.2x10 ⁻³	3.1x10 ²	3.0x10 ⁻³	301	32,33
	<i>Cymodocea serrulata</i>	1.5x10 ⁻¹	7.9x10 ⁻³	8.7x10 ¹	8.6x10 ⁻³	301	32
	<i>Enhalus acoroides</i>	2.5x10 ⁰	6.4x10 ⁻⁴	1.1x10 ³	7.2x10 ⁻⁴	301	32
	<i>Heterozostera tasmanica</i>	5.0x10 ⁻²	1.0x10 ⁻²	6.7x10 ¹	2.6x10 ⁻³	292	29
	<i>Halodule uninervis</i>	5.0x10 ⁻²	5.0x10 ⁻³	1.4x10 ²	5.7x10 ⁻³	301	32
	<i>Halodule wrightii</i>	3.0x10 ⁻²	9.8x10 ⁻³	7.0x10 ¹	1.2x10 ⁻²		34
	<i>Posidonia angustifolia</i>	3.7x10 ⁻¹	3.4x10 ⁻³	2.0x10 ²	2.1x10 ⁻³	292	28
	<i>Posidonia australis</i>	4.0x10 ⁻¹	1.0x10 ⁻³	6.7x10 ²	1.3x10 ⁻³	292	28

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Seagrasses	<i>Posidonia oceanica</i>	4.5x10 ⁻¹	5.0x10 ⁻⁴	1.4x10 ³	8.3x10 ⁻⁵	292	35
	<i>Posidonia oceanica</i>	9.4x10 ⁻¹	2.2x10 ⁻⁴	3.1x10 ³	3.1x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	5.8x10 ⁻¹	1.5x10 ⁻³	4.7x10 ²	1.4x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	2.2x10 ⁻¹	5.6x10 ⁻⁴	1.2x10 ³		292	35
	<i>Posidonia oceanica</i>	5.2x10 ⁻¹	1.3x10 ⁻³	5.5x10 ²	4.4x10 ⁻⁴	290	35
	<i>Posidonia oceanica</i>	5.1x10 ⁻¹	6.7x10 ⁻⁴	1.0x10 ³	3.3x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	8.0x10 ⁻¹	2.2x10 ⁻⁴	3.1x10 ³	4.4x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	2.9x10 ⁻¹	4.2x10 ⁻⁴	1.7x10 ³	2.8x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	1.3x10 ⁰	1.7x10 ⁻⁴	4.2x10 ³	3.6x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	6.3x10 ⁻¹	6.4x10 ⁻⁴	1.1x10 ³	3.6x10 ⁻⁴	290	35
	<i>Posidonia oceanica</i>	5.5x10 ⁻¹	1.9x10 ⁻⁴	3.6x10 ³	4.4x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	6.3x10 ⁻¹	4.4x10 ⁻⁴	1.6x10 ³		292	35
	<i>Posidonia oceanica</i>		1.0x10 ⁻³	7.0x10 ²	2.0x10 ⁻⁴	290	36
	<i>Posidonia oceanica</i>	5.7x10 ⁻¹			2.5x10 ⁻⁴	290	35
	<i>Posidonia oceanica</i>	5.6x10 ⁻¹	1.9x10 ⁻⁴	3.6x10 ³	2.8x10 ⁻⁴	290	35
	<i>Posidonia oceanica</i>	1.9x10 ⁻¹	4.7x10 ⁻⁴	1.5x10 ³	2.5x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	1.3x10 ⁰	1.7x10 ⁻⁴	4.2x10 ³	8.3x10 ⁻⁵	290	35
	<i>Posidonia oceanica</i>	5.8x10 ⁻¹	2.2x10 ⁻⁴	3.1x10 ³	8.3x10 ⁻⁵	290	35
	<i>Posidonia oceanica</i>	7.2x10 ⁻¹	1.9x10 ⁻⁴	3.6x10 ³	5.6x10 ⁻⁵	292	35
	<i>Posidonia oceanica</i>	8.2x10 ⁻¹	9.2x10 ⁻⁴	7.6x10 ²		292	35
	<i>Posidonia oceanica</i>	6.8x10 ⁻¹	5.0x10 ⁻⁴	1.4x10 ³	1.1x10 ⁻⁴	290	35
	<i>Posidonia oceanica</i>	4.9x10 ⁻¹	1.3x10 ⁻³	5.2x10 ²	1.2x10 ⁻³	292	35
	<i>Posidonia oceanica</i>	1.3x10 ⁰	7.5x10 ⁻⁴	9.2x10 ²		292	35
	<i>Posidonia oceanica</i>	7.3x10 ⁻¹	7.2x10 ⁻⁴	9.6x10 ²	2.8x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	3.2x10 ⁻¹	5.0x10 ⁻⁴	1.4x10 ³	2.8x10 ⁻⁴	292	35
	<i>Posidonia oceanica</i>	6.5x10 ⁻¹	2.2x10 ⁻⁴	3.1x10 ³	2.8x10 ⁻⁴	290	35
<i>Posidonia oceanica</i>	4.1x10 ⁻¹	5.0x10 ⁻⁴	1.4x10 ³	1.9x10 ⁻⁴	290	35	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Seagrasses	<i>Posidonia oceanica</i>	1.3x10 ⁰	7.2x10 ⁻⁴	9.6x10 ²	8.3x10 ⁻⁵	292	35
	<i>Posidonia oceanica</i>	2.8x10 ⁻¹	1.3x10 ⁻³	5.5x10 ²	1.1x10 ⁻³	292	35
	<i>Posidonia oceanica</i>		2.6x10 ⁻⁴	2.6x10 ³	3.1x10 ⁻⁴	293	37
	<i>Posidonia oceanica</i>		1.8x10 ⁻⁴	3.8x10 ³	4.7x10 ⁻⁴	293	38
	<i>Posidonia oceanica</i>		1.2x10 ⁻⁴	5.8x10 ³	3.4x10 ⁻⁴	293	38
	<i>Posidonia oceanica</i>		3.1x10 ⁻⁴	2.2x10 ³	5.2x10 ⁻⁵	293	38
	<i>Posidonia oceanica</i>		4.3x10 ⁻⁴	1.6x10 ³	3.9x10 ⁻⁵	293	38
	<i>Posidonia oceanica</i>		9.2x10 ⁻⁴	7.5x10 ²	1.2x10 ⁻⁴	293	38
	<i>Posidonia oceanica</i>		3.4x10 ⁻⁴	2.0x10 ³	4.1x10 ⁻⁴	293	38
	<i>Posidonia oceanica</i>		1.3x10 ⁻⁴	5.3x10 ³	8.5x10 ⁻⁵	293	38
	<i>Posidonia oceanica</i>		2.8x10 ⁻⁴	2.5x10 ³		293	38
	<i>Posidonia oceanica</i>		1.5x10 ⁻⁴	4.6x10 ³	5.4x10 ⁻⁵	293	38
	<i>Posidonia oceanica</i>		9.4x10 ⁻⁵	7.3x10 ³	1.1x10 ⁻⁴	293	38
	<i>Posidonia oceanica</i>		3.0x10 ⁻⁴	2.3x10 ³		293	38
	<i>Posidonia oceanica</i>		2.7x10 ⁻⁴	2.6x10 ³	2.5x10 ⁻⁴	293	37
	<i>Posidonia oceanica</i>		6.4x10 ⁻⁴	1.1x10 ³	3.5x10 ⁻⁴	293	37
	<i>Posidonia oceanica</i>		4.5x10 ⁻⁴	1.6x10 ³	7.7x10 ⁻⁴	293	37
	<i>Posidonia oceanica</i>		3.1x10 ⁻⁴	2.3x10 ³	1.1x10 ⁻⁴	293	38

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Seagrasses	<i>Posidonia oceanica</i>		5.3x10 ⁻⁴	1.3x10 ³	8.3x10 ⁻⁵	293	36
	<i>Posidonia oceanica</i>		6.1x10 ⁻⁴	1.1x10 ³	1.1x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		1.1x10 ⁻⁴	6.2x10 ³	1.1x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		8.3x10 ⁻⁵	8.3x10 ³	8.3x10 ⁻⁵	293	36
	<i>Posidonia oceanica</i>		5.8x10 ⁻⁴	1.2x10 ³	5.6x10 ⁻⁵	293	36
	<i>Posidonia oceanica</i>		5.0x10 ⁻⁴	1.4x10 ³	8.3x10 ⁻⁵	293	36
	<i>Posidonia oceanica</i>		3.9x10 ⁻⁴	1.8x10 ³	1.4x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		7.8x10 ⁻⁴	8.9x10 ²	1.4x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		4.7x10 ⁻⁴	1.5x10 ³	1.7x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		3.3x10 ⁻⁴	2.1x10 ³	1.9x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		3.3x10 ⁻⁴	2.1x10 ³	1.1x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		3.1x10 ⁻⁴	2.3x10 ³	1.1x10 ⁻⁴	293	36
	<i>Posidonia oceanica</i>		6.7x10 ⁻⁴	1.0x10 ³	8.3x10 ⁻⁵	292	36
	<i>Posidonia oceanica</i>		6.7x10 ⁻⁴	1.0x10 ³	4.2x10 ⁻⁴	292	36
	<i>Posidonia oceanica</i>		7.8x10 ⁻⁴	8.9x10 ²	1.7x10 ⁻⁴	292	36
	<i>Posidonia oceanica</i>		4.4x10 ⁻⁴	1.6x10 ³	8.3x10 ⁻⁴	292	36
	<i>Posidonia oceanica</i>		5.8x10 ⁻⁴	1.2x10 ³	1.4x10 ⁻⁴	292	36
	<i>Posidonia oceanica</i>		3.9x10 ⁻⁴	1.8x10 ³	5.6x10 ⁻⁵	290	36
	<i>Posidonia oceanica</i>		4.7x10 ⁻⁴	1.5x10 ³	2.5x10 ⁻⁴	290	36
	<i>Posidonia oceanica</i>		7.8x10 ⁻⁴	8.9x10 ²	1.9x10 ⁻⁴	290	36
<i>Posidonia oceanica</i>		6.4x10 ⁻⁴	1.1x10 ³	5.0x10 ⁻⁴	290	36	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Seagrasses	<i>Posidonia oceanica</i>		3.3x10 ⁻⁴	2.1x10 ³	8.3x10 ⁻⁵	293	36
	<i>Posidonia oceanica</i>		1.1x10 ⁻⁴	6.2x10 ³	5.6x10 ⁻⁵	293	36
	<i>Posidonia oceanica</i>		5.6x10 ⁻⁵	1.2x10 ⁴	8.3x10 ⁻⁵	293	36
	<i>Posidonia oceanica</i>	2.7x10 ⁻¹	2.8x10 ⁻⁴	2.5x10 ³			39
	<i>Posidonia oceanica</i>		4.5x10 ⁻⁴	1.5x10 ³			40
	<i>Posidonia oceanica</i>		2.0x10 ⁻²	3.4x10 ¹			40
	<i>Posidonia oceanica</i>		8.9x10 ⁻⁴	7.8x10 ²			40
	<i>Posidonia oceanica</i>		1.1x10 ⁻³	6.3x10 ²			40
	<i>Posidonia oceanica</i>		4.1x10 ⁻²	1.7x10 ¹			40
	<i>Posidonia oceanica</i>		9.0x10 ⁻³	7.7x10 ¹			40
	<i>Posidonia sinuosa</i>	3.0x10 ⁻¹	1.3x10 ⁻³	5.5x10 ²	9.2x10 ⁻⁴	290	28
	<i>Posidonia sinuosa</i>	2.3x10 ⁻¹	1.4x10 ⁻³	5.0x10 ²	5.0x10 ⁻⁴	292	28
	<i>Syringodium filiforme</i>	6.0x10 ⁻²	5.7x10 ⁻³	1.2x10 ²	2.1x10 ⁻³	299	34
	<i>Syringodium isoetifolium</i>	9.0x10 ⁻²	6.8x10 ⁻³	1.0x10 ²	5.7x10 ⁻³	301	32
	<i>Syringodium filiforme</i>	1.9x10 ⁻¹	3.2x10 ⁻³	2.2x10 ²		300	41
	<i>Thalassodendron ciliatum</i>	4.4x10 ⁻¹	2.0x10 ⁻³	3.5x10 ²	1.8x10 ⁻³	299	42
	<i>Thalassodendron ciliatum</i>		2.0x10 ⁻³	3.5x10 ²	3.8x10 ⁻³	299	43
	<i>Thalassodendron ciliatum</i>		8.6x10 ⁻⁴	8.0x10 ²	1.2x10 ⁻³	299	43
	<i>Thalassodendron ciliatum</i>		1.9x10 ⁻³	3.7x10 ²	3.1x10 ⁻³	299	43
	<i>Thalassodendron ciliatum</i>		1.8x10 ⁻³	3.8x10 ²	3.1x10 ⁻³	299	43
	<i>Thalassodendron ciliatum</i>		2.2x10 ⁻³	3.2x10 ²	5.4x10 ⁻³	299	43
	<i>Thalassodendron ciliatum</i>		2.7x10 ⁻³	2.5x10 ²	2.7x10 ⁻³	298	43
	<i>Thalassodendron ciliatum</i>		1.3x10 ⁻³	5.4x10 ²	1.3x10 ⁻³	298	43
	<i>Thalassodendron ciliatum</i>		1.7x10 ⁻³	4.1x10 ²	2.5x10 ⁻³	298	43
	<i>Thalassodendron ciliatum</i>		2.2x10 ⁻³	3.2x10 ²	2.1x10 ⁻³	298	43

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data	
Seagrasses	<i>Thalassodendron ciliatum</i>		2.1×10 ⁻³	3.3×10 ²	4.2×10 ⁻³	299	43	
	<i>Thalassodendron ciliatum</i>		1.7×10 ⁻³	4.0×10 ²	3.3×10 ⁻³	298	43	
	<i>Thalassia hemprichii</i>	2.6×10 ⁻¹	1.3×10 ⁻³	5.2×10 ²	2.1×10 ⁻³	301	32,33	
	<i>Thalassodendron pachyrrizum</i>	5.8×10 ⁻¹	1.2×10 ⁻³	5.8×10 ²	7.2×10 ⁻⁴	290	28	
	<i>Thalassia testudinum</i>	4.4×10 ⁻¹	3.8×10 ⁻³	1.8×10 ²	1.3×10 ⁻³	299	44,45	
	<i>Thalassia testudinum</i>	4.6×10 ⁻¹	2.8×10 ⁻³	2.5×10 ²	1.4×10 ⁻³	299	44,45	
	<i>Thalassia testudinum</i>	5.7×10 ⁻¹	2.4×10 ⁻³	2.9×10 ²	4.1×10 ⁻³	299	44,45	
	<i>Zostera marina</i>	2.6×10 ⁻¹	2.5×10 ⁻³	2.8×10 ²	1.8×10 ⁻³	286	46	
	<i>Zostera marina</i>	5.1×10 ⁻¹	4.2×10 ⁻³	1.7×10 ²	3.3×10 ⁻³	289	47	
	<i>Zostera marina</i>	2.4×10 ⁻¹	6.0×10 ⁻³	1.2×10 ²	2.4×10 ⁻³	289	47	
	<i>Zostera noltii</i>	1.0×10 ⁻¹	9.3×10 ⁻³	7.4×10 ¹	5.5×10 ⁻³	289	47	
	<i>Zostera noltii</i>	5.1×10 ⁻²	1.0×10 ⁻²	6.9×10 ¹	9.3×10 ⁻³	289	47	
	Land herbs and salt marsh plants	<i>L cylindracea and L spicata</i>		1.6×10 ⁻⁴	4.3×10 ³		283	48
		<i>Agropyron spicatum</i>		1.4×10 ⁻⁵	5.0×10 ⁴		290	49
<i>Agropyron spicatum</i>			1.9×10 ⁻³	3.7×10 ²		280	50	
<i>Agropyron spicatum</i>			1.8×10 ⁻³	3.8×10 ²		280	50	
<i>Allium tricoccum</i>		1.3×10 ⁰	2.5×10 ⁻⁴	2.8×10 ³	8.6×10 ⁻⁴	277	51	
<i>Allium tricoccum</i>		1.5×10 ⁰	6.0×10 ⁻⁴	1.2×10 ³	1.2×10 ⁻⁴	277	51	
<i>Allium tricoccum</i>		1.1×10 ⁰	3.6×10 ⁻⁴	1.9×10 ³	3.8×10 ⁻⁴	277	51	
<i>Allium tricoccum</i>		1.4×10 ⁰	9.2×10 ⁻⁴	7.5×10 ²	2.1×10 ⁻⁴	277	51	
<i>Ambrosia trifida</i>			3.8×10 ⁻²	1.8×10 ¹		283	52	
<i>Anthoxanthum odoratum</i>			8.3×10 ⁻⁴	7.1×10 ²	1.7×10 ⁻³	282	53	
<i>Anthyllis vulneraria</i>			1.9×10 ⁻³	3.7×10 ²			54	
<i>Anthyllis vulneraria</i>			1.4×10 ⁻³	4.8×10 ²			54	
<i>Arisaema triphyllum</i>		1.2×10 ⁻¹	1.3×10 ⁻²	5.5×10 ¹		281	55	
<i>Arisaema triphyllum</i>		2.2×10 ⁻¹	9.0×10 ⁻⁴	7.7×10 ²		281	55	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data	
Land herbs and salt marsh plants	<i>Arisaema triphyllum</i>	2.4x10 ⁻¹	1.1x10 ⁻³	6.3x10 ²		281	55	
	<i>Arisaema triphyllum</i>	3.4x10 ⁻¹	2.2x10 ⁻³	3.2x10 ²		281	55	
	<i>Arisaema triphyllum</i>	3.7x10 ⁻¹	2.0x10 ⁻³	3.5x10 ²		281	55	
	<i>Arisaema triphyllum</i>	4.9x10 ⁻¹	2.8x10 ⁻³	2.4x10 ²		281	55	
	<i>Arisaema triphyllum</i>	6.1x10 ⁻¹	1.7x10 ⁻³	4.0x10 ²		281	55	
	<i>Arisaema triphyllum</i>	7.3x10 ⁻¹	2.8x10 ⁻³	2.4x10 ²		281	55	
	<i>Arisaema triphyllum</i>	1.2x10 ⁻¹	7.0x10 ⁻³	9.9x10 ¹		281	55	
	<i>Arisaema triphyllum</i>	2.2x10 ⁻¹	4.4x10 ⁻³	1.6x10 ²		281	55	
	<i>Arisaema triphyllum</i>	2.5x10 ⁻¹	8.1x10 ⁻³	8.6x10 ¹		281	55	
	<i>Arisaema triphyllum</i>	3.4x10 ⁻¹	1.6x10 ⁻³	4.3x10 ²		281	55	
	<i>Arisaema triphyllum</i>	3.7x10 ⁻¹	6.2x10 ⁻³	1.1x10 ²		281	55	
	<i>Arisaema triphyllum</i>	4.7x10 ⁻¹	4.3x10 ⁻³	1.6x10 ²		281	55	
	<i>Arisaema triphyllum</i>	4.9x10 ⁻¹	4.6x10 ⁻³	1.5x10 ²		281	55	
	<i>Arisaema triphyllum</i>	6.2x10 ⁻¹	2.3x10 ⁻³	3.0x10 ²		281	55	
	<i>Arisaema triphyllum</i>	7.4x10 ⁻¹	9.0x10 ⁻⁴	7.7x10 ²		281	55	
	<i>Aristula hamulosa</i>			1.6x10 ⁻³	4.4x10 ²		294	56
	<i>Arnica cordifolia</i>			2.1x10 ⁻⁴	3.3x10 ³		290	49
	<i>Astragalus utahensis</i>			9.3x10 ⁻⁴	7.5x10 ²		290	49
	<i>Balsamorhiza macrophylla</i>			2.0x10 ⁻⁴	3.6x10 ³		290	49
	<i>Balsamorhiza sagittata</i>			8.3x10 ⁻⁵	8.3x10 ³		290	49
<i>Bashania fangiana</i>			1.2x10 ⁻³	5.9x10 ²	2.3x10 ⁻⁴	278	57	
<i>Boetueloua hirsuta</i>			9.2x10 ⁻⁴	7.6x10 ²		294	58	
<i>Boetueloua hirsuta</i>			6.0x10 ⁻⁴	1.2x10 ³		294	58	
<i>Bouteloua chondrosioides</i>			1.8x10 ⁻³	3.8x10 ²		294	56	
<i>Bouteloua curtipendula</i>			1.1x10 ⁻³	6.5x10 ²		294	56	
<i>Bouteloua eriopoda</i>			1.1x10 ⁻³	6.1x10 ²		294	56	
<i>Bouteloua filiformis</i>			2.5x10 ⁻³	2.8x10 ²		294	56	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Land herbs and salt marsh plants	<i>Bouteloua hirsuta</i>		1.1x10 ⁻³	6.1x10 ²		294	56
	<i>Bouteloua rothrockii</i>		5.6x10 ⁻³	1.2x10 ²		294	56
	<i>Brachypodium pinnatum</i>	3.2x10 ⁻¹	1.4x10 ⁻³	4.8x10 ²	2.0x10 ⁻²	283	59
	<i>Brachypodium pinnatum</i>	2.9x10 ⁻¹	3.6x10 ⁻³	1.9x10 ²	1.4x10 ⁻²	283	59
	<i>Brachypodium pinnatum</i>	2.7x10 ⁻¹	4.2x10 ⁻³	1.6x10 ²	1.1x10 ⁻²	283	59
	<i>Carex flacca</i>	1.9x10 ⁻¹	2.2x10 ⁻⁴	3.1x10 ³	2.6x10 ⁻³	283	59
	<i>Carex flacca</i>	2.3x10 ⁻¹	6.1x10 ⁻⁴	1.1x10 ³	2.7x10 ⁻³	283	59
	<i>Carex flacca</i>	2.0x10 ⁻¹	1.5x10 ⁻³	4.7x10 ²	3.6x10 ⁻³	283	59
	<i>Catopsis juvenile</i>		8.4x10 ⁻⁴	8.3x10 ²	2.8x10 ⁻⁴	292	27
	<i>Catopsis nutans</i>		7.8x10 ⁻⁴	8.9x10 ²		292	27
	<i>Catopsis sessiliflora</i>		5.2x10 ⁻⁴	1.3x10 ³		292	27
	<i>Catopsis ssp.</i>	2.3x10 ⁻²	7.4x10 ⁻⁴	9.4x10 ²	1.6x10 ⁻⁴	292	27
	<i>Chloris acicularis</i>		3.2x10 ⁻⁵	2.2x10 ⁴		282	53
	<i>Clintonia borealis</i>		3.4x10 ⁻²	2.0x10 ¹		279	53
	<i>Clintonia borealis</i>		1.8x10 ⁻²	3.8x10 ¹		279	53
	<i>Clintonia borealis</i>		1.3x10 ⁻²	5.3x10 ¹		279	53
	<i>Clintonia borealis</i>		2.7x10 ⁻²	2.6x10 ¹		279	53
	<i>Clintonia borealis</i>		9.1x10 ⁻⁴	7.6x10 ²		279	53
	<i>Cynoglossum officinale</i>	2.1x10 ⁰	2.1x10 ⁻³	3.2x10 ²		283	60
	<i>Cynoglossum officinale</i>	3.8x10 ⁰	9.4x10 ⁻⁴	7.4x10 ²		283	60
	<i>Cynoglossum officinale</i>	2.8x10 ⁰	1.9x10 ⁻⁴	3.6x10 ³		283	60
	<i>Danthonia cespitosa</i>		1.0x10 ⁻³	6.8x10 ²		282	53
	<i>Dichaea neglecta</i>		1.5x10 ⁻⁴	4.7x10 ³	4.0x10 ⁻⁴	292	27
	<i>Drosera intermedia</i>		6.4x10 ⁻⁴	1.1x10 ³		283	61
	<i>Drosera intermedia</i>		7.8x10 ⁻⁴	8.9x10 ²		283	61
	<i>Drosera intermedia</i>		9.4x10 ⁻⁴	7.4x10 ²		283	61
<i>Drosera intermedia</i>		6.7x10 ⁻⁴	1.0x10 ³		283	61	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Land herbs and salt marsh plants	<i>Drosera intermedia</i>		1.7×10 ⁻³	4.1×10 ²		283	61
	<i>Eichhornia crassipes</i>		1.1×10 ⁻¹	6.3×10 ⁰			62
	<i>Eichhornia crassipes</i>		8.0×10 ⁻²	8.7×10 ⁰		298	62
	<i>Eichhornia crassipes</i>		6.0×10 ⁻²	1.2×10 ¹		295	62
	<i>Eichhornia crassipes</i>		3.0×10 ⁻²	2.3×10 ¹			62
	<i>Eichhornia crassipes</i>		1.1×10 ⁻¹	6.3×10 ⁰		298	62
	<i>Eichhornia crassipes</i>		2.2×10 ⁻¹	3.2×10 ⁰		295	62
	<i>Encyclia ochracea</i>		1.1×10 ⁻⁴	6.1×10 ³	8.9×10 ⁻⁵	292	27
	<i>Eriophorum vaginatum</i>		2.7×10 ⁻⁴	2.5×10 ³	6.8×10 ⁻⁴	267	63
	<i>Eriophorum vaginatum</i>		4.2×10 ⁻⁴	1.7×10 ³	7.6×10 ⁻⁴		63
	<i>Fargesia robusta</i>		3.2×10 ⁻⁴	2.2×10 ³	1.8×10 ⁻⁴	278	57
	<i>Fargesia scabrida</i>		2.4×10 ⁻⁴	2.9×10 ³		290	64
	<i>Fargesia spathacea</i>		3.3×10 ⁻⁴	2.1×10 ³		290	64
	<i>Fargesia spathacea</i>		2.6×10 ⁻⁴	2.6×10 ³		290	64
	<i>Hedysarum boreale</i>		1.4×10 ⁻⁴	5.0×10 ³		290	49
	<i>Heteropogon contortus</i>		2.4×10 ⁻³	2.9×10 ²		294	56
	<i>Hieracium pilosella</i>		1.4×10 ⁻³	5.0×10 ²	2.3×10 ⁻³	283	65
	<i>Hieracium pilosella</i>		8.4×10 ⁻⁴	8.3×10 ²	1.9×10 ⁻³	283	65
	<i>Hieracium pilosella</i>		1.9×10 ⁻³	3.6×10 ²	1.1×10 ⁻³	283	66
	<i>Hieracium pilosella</i>		9.1×10 ⁻⁴	7.6×10 ²	6.1×10 ⁻⁴	283	66
	<i>Hieracium pilosella</i>		3.1×10 ⁻³	2.3×10 ²	1.6×10 ⁻³	283	66
	<i>Hieracium pilosella</i>		4.8×10 ⁻³	1.4×10 ²	8.4×10 ⁻⁴	283	66
	<i>Hilaria belangeri</i>			4.0×10 ⁻³	1.7×10 ²		294
<i>Impatiens capensis</i>		1.5×10 ⁻¹	5.8×10 ⁻³	1.2×10 ²		281	67
<i>Impatiens pallida</i>		1.1×10 ⁰	1.8×10 ⁻²	3.8×10 ¹		279	68
<i>Impatiens pallida</i>		7.5×10 ⁻¹	2.2×10 ⁻²	3.2×10 ¹		279	68
<i>Iris pseudacorus</i>		6.7×10 ¹	4.2×10 ⁻⁴	1.7×10 ³			69

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Land herbs and salt marsh plants	<i>Iris pseudacorus</i>	1.3x10 ⁰	5.8x10 ⁻⁴	1.2x10 ³			69
	<i>Iris pseudacorus</i>	1.2x10 ²	2.3x10 ⁻⁴	3.0x10 ³			69
	<i>Iris pseudacorus</i>	3.8x10 ¹	2.2x10 ⁻⁴	3.2x10 ³			69
	<i>Jacquiella teretifolia</i>		5.8x10 ⁻⁵	1.2x10 ⁴		292	27
	<i>Koeleria cristata</i>		1.6x10 ⁻³	4.4x10 ²		280	50
	<i>Koeleria cristata</i>		1.7x10 ⁻³	4.2x10 ²		280	50
	<i>L aspera x L cylindracea</i>		1.6x10 ⁻⁴	4.3x10 ³		283	48
	<i>L aspera x L spicata</i>		1.9x10 ⁻⁴	3.6x10 ³		283	48
	<i>Lathyrus latifolius</i>		6.3x10 ⁻³	1.1x10 ²		285	70
	<i>Lathyrus sylvestris</i>		6.5x10 ⁻³	1.1x10 ²		286	70
	<i>Lathyrus sylvestris</i>		5.9x10 ⁻³	1.2x10 ²		286	70
	<i>Liatris aspera</i>		1.2x10 ⁻⁴	5.8x10 ³		283	48
	<i>Liatris cylindracea</i>		1.4x10 ⁻⁴	5.0x10 ³		283	48
	<i>Liatris spicata</i>		1.5x10 ⁻⁴	4.7x10 ³		283	48
	<i>Lycaste aromatica</i>		2.8x10 ⁻⁴	2.5x10 ³	2.3x10 ⁻⁴	292	27
	<i>Lycurus phleoides</i>		9.5x10 ⁻⁴	7.3x10 ²		294	56
	<i>Lycurus phleoides</i>		1.2x10 ⁻³	5.8x10 ²		294	58
	<i>Lycurus phleoides</i>		7.1x10 ⁻⁴	9.7x10 ²		294	58
	<i>Maianthemum canadense</i>		8.0x10 ⁻⁴	8.7x10 ²	2.0x10 ⁻³	282	71
	<i>Maianthemum canadense</i>		7.5x10 ⁻⁴	9.2x10 ²	1.8x10 ⁻³	282	71
<i>Maianthemum canadense</i>		8.2x10 ⁻⁴	8.4x10 ²	1.9x10 ⁻³	282	71	
<i>Maianthemum canadense</i>		7.6x10 ⁻⁴	9.1x10 ²	1.5x10 ⁻³	282	71	
<i>Maianthemum canadense</i>		4.8x10 ⁻⁴	1.5x10 ³	2.5x10 ⁻³	282	71	
<i>Mercurialis perennis</i>	3.7x10 ⁻¹	2.1x10 ⁻³	3.4x10 ²		283	72	
<i>Oryzopsis hymenoides</i>		1.7x10 ⁻³	4.1x10 ²		280	50	
<i>Oryzopsis hymenoides</i>		1.7x10 ⁻³	4.0x10 ²		280	50	
<i>Panax quinquefolium</i>	4.3x10 ⁻¹	2.8x10 ⁻⁴	2.4x10 ³	4.2x10 ⁻⁴	285	73	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Land herbs and salt marsh plants	<i>Peperomia</i>		8.4x10 ⁻⁴	8.2x10 ²	1.2x10 ⁻³	292	27
	<i>Peperomia aff. alata</i>		7.0x10 ⁻⁴	1.0x10 ³	3.4x10 ⁻⁴	292	27
	<i>Peperomia quadrifolia</i>		2.5x10 ⁻⁴	2.8x10 ³	2.0x10 ⁻⁴	292	27
	<i>Peperomia reflexa</i>		2.4x10 ⁻⁴	2.9x10 ³	2.0x10 ⁻⁴	292	27
	<i>Plantago coronopus</i>		2.2x10 ⁻³	3.2x10 ²		283	74
	<i>Plantago coronopus</i>		2.4x10 ⁻³	2.9x10 ²		283	74
	<i>Plantago coronopus</i>		1.8x10 ⁻²	3.8x10 ¹		283	74
	<i>Plantago coronopus</i>		1.5x10 ⁻³	4.7x10 ²		283	74
	<i>Plantago lanceolata</i>		1.7x10 ⁻³	4.1x10 ²		283	58
	<i>Plantago major</i>		1.3x10 ⁻³	5.4x10 ²	5.1x10 ⁻³	281	75
	<i>Plantago maritima</i>		1.6x10 ⁻⁴	4.4x10 ³		279	76
	<i>Plantago maritima</i>		4.2x10 ⁻⁴	1.6x10 ³		279	76
	<i>Plantago maritima</i>		7.5x10 ⁻⁴	9.3x10 ²		279	76
	<i>Plantago maritima</i>		2.1x10 ⁻⁴	3.3x10 ³		279	76
	<i>Plantago maritima</i>		3.1x10 ⁻⁴	2.2x10 ³		279	76
	<i>Plantago maritima</i>		7.1x10 ⁻⁴	9.8x10 ²		279	76
	<i>Plantago maritima</i>		8.8x10 ⁻⁴	7.9x10 ²		279	76
	<i>Plantago rugelii</i>		5.9x10 ⁻³	1.2x10 ²	3.8x10 ⁻³	281	75
	<i>Poa ssp.</i>		1.8x10 ⁻³	3.9x10 ²		280	50
	<i>Poa ssp.</i>		1.4x10 ⁻³	4.9x10 ²		280	50
<i>Potentilla matsumurae</i>	1.8x10 ⁰	1.2x10 ⁻²	5.7x10 ¹		288	77	
<i>Potentilla matsumurae</i>	1.1x10 ⁰	1.0x10 ⁻³	6.8x10 ²		288	77	
<i>Ranunculus acris</i>		6.4x10 ⁻⁴	1.1x10 ³			58	
<i>Ranunculus acris</i>		1.5x10 ⁻³	4.5x10 ²	2.9x10 ⁻³	283	58	
<i>Ranunculus auricomus</i>		3.2x10 ⁻⁴	2.2x10 ³			58	
<i>Ranunculus bulbosus</i>		2.2x10 ⁻³	3.1x10 ²	3.0x10 ⁻³	283	58	
<i>Ranunculus repens</i>		1.7x10 ⁻³	4.1x10 ²	1.7x10 ⁻³	282	78	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Land herbs and salt marsh plants	<i>Ranunculus repens</i>		1.6x10 ⁻³	4.3x10 ²	2.0x10 ⁻³	282	51
	<i>Ranunculus repens</i>		1.7x10 ⁻³	4.0x10 ²	3.0x10 ⁻³	283	58
	<i>Salicornia europea</i>	7.0x10 ⁻²	4.3x10 ⁻³	1.6x10 ²		283	79
	<i>Salicornia europea</i>	1.8x10 ⁻²	4.0x10 ⁻³	1.7x10 ²		283	79
	<i>Sinarundianria fangiana</i>		2.7x10 ⁻⁴	2.6x10 ³		290	64
	<i>Sinarundianria fangiana</i>		2.3x10 ⁻⁴	3.0x10 ³		290	64
	<i>Solidago canadensis</i>	1.9x10 ⁻¹	4.5x10 ⁻³	1.5x10 ²	7.9x10 ⁻⁴	280	80
	<i>Solidago canadensis</i>	1.4x10 ⁻¹	2.2x10 ⁻³	3.1x10 ²	1.1x10 ⁻³	280	80
	<i>Spartina alterniflora</i>	4.1x10 ⁻¹	2.1x10 ⁻³	3.4x10 ²	2.6x10 ⁻³	287	81
	<i>Spartina alterniflora</i>	3.5x10 ⁻¹	2.3x10 ⁻³	3.0x10 ²	3.4x10 ⁻³	287	81
	<i>Spartina alterniflora</i>	1.9x10 ⁻¹	1.9x10 ⁻³	3.7x10 ²	2.6x10 ⁻³	287	81
	<i>Spartina alterniflora</i>	3.3x10 ⁻¹	2.1x10 ⁻³	3.3x10 ²	2.9x10 ⁻³	287	81
	<i>Spergularia maritima</i>		7.3x10 ⁻⁴	9.5x10 ²		281	82
	<i>Stipa comata</i>		1.8x10 ⁻³	3.9x10 ²		280	50
	<i>Stipa comata</i>		1.7x10 ⁻³	4.1x10 ²		280	50
	<i>Taraxacum</i>		6.5x10 ⁻⁴	1.1x10 ³		283	83
	<i>Taraxacum</i>		6.2x10 ⁻⁴	1.1x10 ³		283	83
	<i>Taraxacum</i>		8.4x10 ⁻⁴	8.3x10 ²		283	83
	<i>Thalictrum fenderli</i>		2.1x10 ⁻⁴	3.3x10 ³		290	49
	<i>Tillandsia</i>		1.1x10 ⁻³	6.3x10 ²	9.9x10 ⁻⁴	292	27
<i>Tillandsia</i>		5.9x10 ⁻⁴	1.2x10 ³	8.0x10 ⁻⁵	292	27	
<i>Tillandsia</i>	1.7x10 ⁻¹	7.4x10 ⁻⁴	9.4x10 ²	4.4x10 ⁻⁵	292	27	
<i>Tillandsia butzii</i>		3.8x10 ⁻⁴	1.8x10 ³	.	292	27	
<i>Tillandsia deppeana</i>		4.0x10 ⁻⁴	1.7x10 ³		292	27	
<i>Tillandsia juncea</i>		2.4x10 ⁻⁴	2.9x10 ³	1.1x10 ⁻⁵	292	27	
<i>Tillandsia multicaulis</i>		1.8x10 ⁻⁴	4.0x10 ³	.	292	27	
<i>Tillandsia punctulata</i>		2.7x10 ⁻⁴	2.5x10 ³	2.5x10 ⁻⁵	292	27	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Land herbs and salt marsh plants	<i>Tillandsia spp.</i>		5.3x10 ⁻⁴	1.3x10 ³	1.9x10 ⁻⁴	292	27
	<i>Trichachne californica</i>		4.3x10 ⁻⁴	1.6x10 ³		294	58
	<i>Trichachne californica</i>		3.9x10 ⁻⁴	1.8x10 ³		294	58
	<i>Trifolium repens</i>	9.0x10 ⁻²	2.4x10 ⁻³	2.9x10 ²		281	84
	<i>Trifolium repens</i>	1.7x10 ⁻¹	2.0x10 ⁻³	3.4x10 ²		281	84
	<i>Trifolium repens</i>	2.1x10 ⁻¹	2.6x10 ⁻³	2.7x10 ²		281	84
	<i>Trifolium repens</i>	4.1x10 ⁻¹	1.7x10 ⁻³	4.1x10 ²		281	84
	<i>Truchachne californica</i>		1.1x10 ⁻³	6.5x10 ²		294	56
	<i>Typha latifolia</i>	3.1x10 ¹	3.8x10 ⁻³	1.8x10 ²	3.0x10 ⁻³	282	85
	<i>Urtica dioica</i>	3.0x10 ⁰	9.6x10 ⁻³	7.2x10 ¹		281	86
	<i>Urtica dioica</i>	3.0x10 ⁰	9.8x10 ⁻³	7.1x10 ¹		280	86
	<i>Viola blanda</i>	7.6x10 ⁻¹	8.7x10 ⁻⁴	7.9x10 ²	1.1x10 ⁻³	282	87
	<i>Viola blanda</i>	7.6x10 ⁻¹	7.4x10 ⁻⁴	9.3x10 ²	1.8x10 ⁻³	282	87
	<i>Wyethia amplexicaule</i>		7.9x10 ⁻⁴	8.8x10 ²		290	49
	Succulent plants	<i>Beaucarnea gracilis</i>		9.9x10 ⁻³	7.0x10 ¹		293
<i>Beaucarnea gracilis</i>			9.6x10 ⁻³	7.2x10 ¹		293	88
<i>Carnegiea gigantea</i>		4.2x10 ³	2.9x10 ⁻⁵	2.4x10 ⁴	6.7x10 ⁻⁶	293	89
<i>Carnegiea gigantea</i>		4.4x10 ²	3.4x10 ⁻⁵	2.1x10 ⁴	3.6x10 ⁻⁵	293	89
<i>Carnegiea gigantea</i>		7.1x10 ²	2.6x10 ⁻⁵	2.7x10 ⁴	3.4x10 ⁻⁵	293	89
<i>Carnegiea gigantea</i>		6.1x10 ³	3.6x10 ⁻⁵	1.9x10 ⁴	7.7x10 ⁻⁶	293	89
<i>Neobuxbaumia tetetzo</i>			1.9x10 ⁻²	3.6x10 ¹		293	88
<i>Neobuxbaumia tetetzo</i>			2.0x10 ⁻²	3.5x10 ¹		293	88
<i>Pachycereus hollianus</i>			1.1x10 ⁻²	6.2x10 ¹		293	88
<i>Pachycereus hollianus</i>			1.5x10 ⁻²	4.7x10 ¹		293	88
<i>Yucca periculosa</i>			1.6x10 ⁻²	4.5x10 ¹		293	88
<i>Yucca periculosa</i>			7.3x10 ⁻³	9.5x10 ¹		293	88

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Shrubs and lianas	<i>Artemisa tridentata</i>		1.5x10 ⁻³	4.5x10 ²		280	50
	<i>Artemisa tridentata</i>		1.8x10 ⁻³	3.8x10 ²		280	50
	<i>Gutierreiza sarothae</i>		1.4x10 ⁻³	4.9x10 ²		280	50
	<i>Gutierreiza sarothae</i>		1.5x10 ⁻³	4.6x10 ²		280	50
	<i>Ipomoea phillomega</i>		1.2x10 ⁻¹	6.0x10 ⁰		298	90
	<i>Ipomoea phillomega</i>		2.9x10 ⁻²	2.4x10 ¹		298	90
	<i>Ipomoea phillomega</i>		2.2x10 ⁻²	3.2x10 ¹		298	90
	<i>Ipomoea phillomega</i>		9.9x10 ⁻³	7.0x10 ¹		298	90
	<i>Ipomoea phillomega</i>		3.6x10 ⁻²	2.0x10 ¹		298	90
	<i>Leptocylon pugens</i>		2.1x10 ⁻³	3.3x10 ²		280	50
	<i>Leptocylon pugens</i>		2.1x10 ⁻³	3.4x10 ²		280	50
	<i>Rubus idaeus</i>		3.4x10 ⁻⁴	2.0x10 ³		280	91
	<i>Rubus idaeus</i>		4.4x10 ⁻⁴	1.6x10 ³		280	91
	<i>Rubus idaeus</i>		1.1x10 ⁻³	6.5x10 ²		280	91
	<i>Rubus idaeus</i>		8.8x10 ⁻⁴	7.9x10 ²		280	91
	<i>Rubus pubescens</i>		1.1x10 ⁻⁴	6.5x10 ³		280	91
	<i>Rubus pubescens</i>		1.6x10 ⁻⁴	4.5x10 ³		280	91
	<i>Rubus pubescens</i>		2.2x10 ⁻⁴	3.2x10 ³		280	91
	<i>Rubus pubescens</i>		1.7x10 ⁻⁴	4.0x10 ³		280	91
		<i>Symphoricarpos occidentalis</i>	3.5x10 ¹	2.7x10 ⁻⁴	2.6x10 ³		273
Mangroves	<i>Avicennia alba</i>	6.5x10 ⁰	9.0x10 ⁻⁴	7.7x10 ²		301	93
	<i>Avicennia alba</i>	6.5x10 ⁰	2.5x10 ⁻³	2.8x10 ²		301	93
	<i>Avicennia alba</i>	6.5x10 ⁰	9.1x10 ⁻⁴	7.6x10 ²		301	93
	<i>Avicennia alba</i>	6.5x10 ⁰	3.5x10 ⁻³	2.0x10 ²		301	93
	<i>Avicennia alba</i>	6.5x10 ⁰	6.6x10 ⁻³	1.1x10 ²		301	93
	<i>Avicennia alba</i>	6.5x10 ⁰	3.5x10 ⁻³	2.0x10 ²		301	93

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Mangroves	<i>Avicennia marina</i>	3.9x10 ¹	4.5x10 ⁻⁴	1.5x10 ³		301	94
	<i>Avicennia marina</i>		2.3x10 ⁻²	3.0x10 ¹		297	95
	<i>Avicennia officinalis</i>	1.3x10 ¹	2.8x10 ⁻⁴	2.5x10 ³		301	96
	<i>Bruguiera cylindrica</i>	2.2x10 ⁰	1.4x10 ⁻³	4.8x10 ²		301	94
	<i>Ceriops tagal</i>	3.4x10 ⁰	8.8x10 ⁻⁴	7.9x10 ²		301	94
	<i>Excoecaria agallocha</i>	2.2x10 ⁰	2.8x10 ⁻³	2.5x10 ²		301	94
	<i>Rhizophora apiculata</i>	1.8x10 ¹	9.8x10 ⁻⁴	7.0x10 ²		301	94
	<i>Rhizophora apiculata</i>		2.2x10 ⁻³	3.2x10 ²		301	97
	<i>Rhizophora apiculata BL.</i>	2.3x10 ²	4.2x10 ⁻⁴	1.6x10 ³		300	98
	<i>Rhizophora apiculata BL.</i>	3.2x10 ²	2.4x10 ⁻⁴	2.9x10 ³		300	98
	<i>Rhizophora mucronata</i>	5.7x10 ¹	1.1x10 ⁻³	6.1x10 ²		301	96
	<i>Rhizophora mucronata</i>	7.0x10 ⁰	5.1x10 ⁻⁴	1.4x10 ³		301	93
	<i>Rhizophora mucronata</i>	7.0x10 ⁰	2.4x10 ⁻⁴	2.9x10 ³		301	93
	<i>Rhizophora mucronata</i>	7.0x10 ⁰	1.7x10 ⁻⁴	4.1x10 ³		301	93
	<i>Rhizophora mucronata</i>	7.0x10 ⁰	2.6x10 ⁻³	2.7x10 ²		301	93
	<i>Rhizophora mucronata</i>	7.0x10 ⁰	5.0x10 ⁻⁴	1.4x10 ³		301	93
	<i>Rhizophora mucronata</i>	7.0x10 ⁰	5.3x10 ⁻⁴	1.3x10 ³		301	93
	<i>Sonneratia caseolaris</i>	6.5x10 ⁰	2.4x10 ⁻⁵	2.8x10 ⁴		301	96
	<i>Sonneratia caseolaris</i>	6.4x10 ⁻¹	2.8x10 ⁻³	2.5x10 ²		301	93
	<i>Sonneratia caseolaris</i>	6.4x10 ⁻¹	8.9x10 ⁻³	7.8x10 ¹		301	93
<i>Sonneratia caseolaris</i>	6.4x10 ⁻¹	1.2x10 ⁻²	5.7x10 ¹		301	93	
<i>Sonneratia caseolaris</i>	6.4x10 ⁻¹	4.7x10 ⁻³	1.5x10 ²		301	93	
<i>Sonneratia caseolaris</i>	6.4x10 ⁻¹	1.4x10 ⁻²	5.1x10 ¹		301	93	
<i>Sonneratia caseolaris</i>	6.4x10 ⁻¹	6.4x10 ⁻³	1.1x10 ²		301	93	
Trees	<i>Abies lasiocarpa</i>		3.1x10 ⁻⁵	2.2x10 ⁴		284	99
	<i>Acacia burkittii</i>		2.4x10 ⁻⁵	2.9x10 ⁴		290	100
	<i>Acacia burkittii</i>		1.8x10 ⁻⁵	3.9x10 ⁴		290	100

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Acacia burkittii</i>		2.3x10 ⁻⁵	3.1x10 ⁴		290	100
	<i>Acacia burkittii</i>		1.8x10 ⁻⁵	4.0x10 ⁴		290	100
	<i>Acacia burkittii</i>		1.9x10 ⁻⁵	3.6x10 ⁴		290	100
	<i>Acacia burkittii</i>		3.2x10 ⁻⁵	2.2x10 ⁴		292	100
	<i>Acacia victoriae</i>	4.0x10 ²	7.7x10 ⁻⁵	9.0x10 ³		292	101
	<i>Acacia victoriae</i>	5.1x10 ²	2.0x10 ⁻⁴	3.5x10 ³		292	101
	<i>Acacia victoriae</i>	5.4x10 ²	3.5x10 ⁻⁴	2.0x10 ³		292	101
	<i>Acacia victoriae</i>	4.0x10 ²	5.5x10 ⁻⁴	1.2x10 ³		292	101
	<i>Acacia victoriae</i>	4.6x10 ²	3.7x10 ⁻⁴	1.9x10 ³		292	101
	<i>Accer saccharum</i>		2.6x10 ⁻³	2.7x10 ²		280	102
	<i>Accer saccharum</i>		2.6x10 ⁻³	2.7x10 ²		280	102
	<i>Accer saccharum</i>		2.9x10 ⁻³	2.4x10 ²		280	102
	<i>Accer saccharum</i>		1.9x10 ⁻³	3.6x10 ²		280	102
	<i>Accer saccharum</i>	2.1 x10 ⁶	9.2x10 ⁻⁶	7.6x10 ⁴		284	103
	<i>Acer rubrum</i>		2.9x10 ⁻⁵	2.4x10 ⁴		282	104
	<i>Acer saccharum</i>		1.8x10 ⁻⁵	3.9x10 ⁴		282	104
	<i>Aesculus octandra</i>	1.8 x10 ⁶	2.8x10 ⁻⁶	2.5x10 ⁵		284	103
	<i>Alchornea costaricensis</i>	5.1 x10 ⁵	8.3x10 ⁻⁵	8.3x10 ³		301	105
	<i>Alchornea latifolia</i>		3.3x10 ⁻⁵	2.1x10 ⁴	3.3x10 ⁻⁵	292	106
	<i>Alseis blackiana</i>	4.1 x10 ⁵	1.7x10 ⁻⁵	4.2x10 ⁴		301	105
	<i>Betula alleghaniensis</i>		4.9x10 ⁻⁵	1.4x10 ⁴		282	104
	<i>Betula alleghaniensis</i>	11 x10 ⁵	1.7x10 ⁻⁵	4.1x10 ⁴		284	103
	<i>Betula lenta</i>		4.4x10 ⁻⁵	1.6x10 ⁴		282	104
	<i>Camelia japonica</i>	2.5x10 ⁵	1.5x10 ⁻⁵	4.6x10 ⁴	1.6x10 ⁻⁵	292	107
	<i>Camelia japonica</i>	5.1x10 ⁵	2.4x10 ⁻⁵	2.9x10 ⁴		292	107

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Camelia sasnqua</i>	2.2x10 ⁵	1.4x10 ⁻⁵	5.0x10 ⁴	3.0x10 ⁻⁵	292	107
	<i>Camelia sasnqua</i>	5.6x10 ⁵	3.4x10 ⁻⁵	2.0x10 ⁴		292	107
	<i>Camellia japonica</i>	5.0 x10 ⁵	2.1x10 ⁻⁵	3.4x10 ⁴		292	108
	<i>Camellia sasanqua</i>	5.3 x10 ⁵	3.2x10 ⁻⁵	2.2x10 ⁴		292	108
	<i>Cecropia obtusifolia</i>		2.8x10 ⁻³	2.5x10 ²		298	109
	<i>Cecropia obtusifolia</i>		2.4x10 ⁻³	2.9x10 ²		298	109
	<i>Cecropia obtusifolia</i>		1.6x10 ⁻³	4.3x10 ²		298	109
	<i>Cecropia obtusifolia</i>	9.6 x10 ⁴	6.5x10 ⁻⁴	1.1x10 ³		298	109
	<i>Cecropia obtusifolia</i>	6.2 x10 ⁴	1.5x10 ⁻⁴	4.7x10 ³		298	109
	<i>Cecropia obtusifolia</i>	2.2 x10 ⁵	8.9x10 ⁻⁵	7.8x10 ³		298	109
	<i>Cecropia obtusifolia</i>	5.0 x10 ⁵	1.8x10 ⁻⁴	4.0x10 ³		298	109
	<i>Cecropia obtusifolia</i>	9.4 x10 ⁵	5.6x10 ⁻⁴	1.2x10 ³		298	109
	<i>Cephalanthus occidentalis</i>	1.6x10 ¹	2.3x10 ⁻³	3.0x10 ²		296	110
	<i>Chaetocarpus globosus</i>		8.3x10 ⁻⁶	8.3x10 ⁴	1.4x10 ⁻⁵	292	106
	<i>Clethra occidentalis</i>	4.0 x10 ⁴	1.7x10 ⁻⁵	4.2x10 ⁴	5.6x10 ⁻⁶	292	106
	<i>Cleyera japonica</i>	6.3 x10 ⁵	2.5x10 ⁻⁵	2.8x10 ⁴		292	108
	<i>Cleyera japonica</i>	5.9x10 ⁵	3.1x10 ⁻⁵	2.2x10 ⁴	2.5x10 ⁻⁵	292	107
	<i>Cleyera japonica</i>	4.2x10 ⁵	1.3x10 ⁻⁵	5.2x10 ⁴		292	107
	<i>Clusia havetioides</i>		5.6x10 ⁻⁶	1.2x10 ⁵	4.7x10 ⁻⁵	292	108
	<i>Cordia alliodora</i>	6.2 x10 ⁵	1.3x10 ⁻⁴	5.5x10 ³		301	105
	<i>Cyathea pubescens</i>		4.4x10 ⁻⁵	1.6x10 ⁴	1.1x10 ⁻⁵	292	106
	<i>Cyrilla racemiflora</i>		2.8x10 ⁻⁵	2.5x10 ⁴	1.1x10 ⁻⁵	292	106
	<i>Dacrycarpus dacrydioides</i>		6.4x10 ⁻⁶	1.1x10 ⁵		285	111
	<i>Dendropanax pendulus</i>		1.7x10 ⁻⁵	4.2x10 ⁴	5.0x10 ⁻⁵	292	106
	<i>Desmopsis juveniles</i>		5.8x10 ⁻⁵	1.2x10 ⁴		301	112
	<i>Desmopsis juveniles</i>		8.6x10 ⁻⁵	8.0x10 ³	1.3x10 ⁻⁴	301	112

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Distylym racemosum</i>	11 x10 ⁶	2.2x10 ⁻⁵	3.1x10 ⁴		292	108
	<i>Distylium racemosum</i>	6.9 x10 ⁶	2.1x10 ⁻⁵	3.3x10 ⁴	1.9x10 ⁻⁵	292	107
	<i>Distylium racemosum</i>	8.3x10 ⁶	2.7x10 ⁻⁵	2.6x10 ⁴		292	107
	<i>Drymis winteri</i>	1.7 x10 ⁴	2.7x10 ⁻⁵	2.5x10 ⁴			112
	<i>Drymis winteri</i>	9.5 x10 ³	2.7x10 ⁻⁰⁵	2.5x10 ⁴			112
	<i>Dryobalanops lanceolata</i>	2.2 x10 ⁵	2.9x10 ⁻⁵	2.4x10 ⁴	1.7x10 ⁻⁵	299	113
	<i>Entandrophragma utile</i>		7.2x10 ⁻⁴	9.6x10 ²		299	114
	<i>Entandrophragma utile</i>		2.2x10 ⁻³	3.2x10 ²		299	114
	<i>Entandrophragma utile</i>		3.6x10 ⁻³	1.9x10 ²		299	114
	<i>Eugenia virgultosa</i>		8.3x10 ⁻⁶	8.3x10 ⁴	6.4x10 ⁻⁵	292	106
	<i>Eurya japonica</i>	9.0x10 ⁴	6.1x10 ⁻⁵	1.1x10 ⁴		292	108
	<i>Eurya japonica</i>	9.4x10 ⁴	5.5x10 ⁻⁵	1.3x10 ⁴	7.0x10 ⁻⁵	292	107
	<i>Eurya japonica</i>	5.2x10 ⁴	8.3x10 ⁻⁵	8.4x10 ³		292	107
	<i>Fagus grandifolia</i>		2.7x10 ⁻⁵	2.6x10 ⁴		282	104
	<i>Fagus grandifolia</i>	10 x10 ⁵	3.3x10 ⁻⁵	2.1x10 ⁴		284	103
	<i>Faramea juveniles</i>		3.0x10 ⁻⁵	2.3x10 ⁴		301	112
	<i>Faramea juveniles</i>		2.8x10 ⁻⁵	2.4x10 ⁴	9.2x10 ⁻⁵	301	112
	<i>Fraxinus americana</i>		1.8x10 ⁻⁵	3.9x10 ⁴		282	104
	<i>Guarea glabra</i>	4.0 x10 ⁵	2.8x10 ⁻⁵	2.5x10 ⁴		301	105
	<i>Guarea glabra</i>		8.3x10 ⁻⁶	8.3x10 ⁴	8.0x10 ⁻⁵	292	106
	<i>Gutteria dumetorum</i>	1.2 x10 ⁶	1.4x10 ⁻⁵	5.0x10 ⁴		301	105
	<i>Gustavia superba</i>	2.4 x10 ⁵	8.3x10 ⁻⁶	8.3x10 ⁴		301	105
	<i>Halesia carolina</i>	8.9 x10 ⁵	1.4x10 ⁻⁵	5.1x10 ⁴		284	106
	<i>Hasseltia floribunda</i>	2.2x10 ⁵	7.0x10 ⁻⁵	1.0x10 ⁴		301	105
	<i>Hedyosmum arborescens</i>	1.1x10 ⁴	4.4x10 ⁻⁵	1.6x10 ⁴	5.8x10 ⁻⁵	292	106
	<i>Heisterai concinna</i>	1.8x10 ⁵	3.1x10 ⁻⁵	2.3x10 ⁴		301	105
	<i>Hirtella triandra</i>	2.0x10 ⁵	3.1x10 ⁻⁵	2.3x10 ⁴		301	105

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Hura crepitans</i>	1.6x10 ⁶	1.4x10 ⁻⁵	5.0x10 ⁴		301	105
	<i>Ilex macfadyenii</i>		8.1x10 ⁻⁵	8.6x10 ³	6.7x10 ⁻⁵	292	106
	<i>Illicium anisatum</i>	4.8x10 ⁵	5.5x10 ⁻⁵	1.2x10 ⁴		292	108
	<i>Illicium anisatum</i>	3.2x10 ⁵	4.9x10 ⁻⁵	1.4x10 ⁴	6.0x10 ⁻⁵	292	107
	<i>Illicium anisatum</i>	3.9x10 ⁵	6.5x10 ⁻⁵	1.1x10 ⁴		292	107
	<i>Jacaranda copaia</i>	2.2 x10 ⁶	1.6x10 ⁻⁴	4.2x10 ³		301	105
	<i>Litsea acuminata</i>	2.5 x10 ⁶	5.1x10 ⁻⁵	1.4x10 ⁴		292	108
	<i>Litsea acuminata</i>	2.0x10 ⁶	5.6x10 ⁻⁵	1.2x10 ⁴	8.7x10 ⁻⁵	292	107
	<i>Litsea acuminata</i>	2.3x10 ⁶	5.1x10 ⁻⁵	1.4x10 ⁴		292	107
	<i>Lyonia octandra</i>	1.1x10 ⁴	1.7x10 ⁻⁵	4.2x10 ⁴	1.7x10 ⁻⁵	292	106
	<i>Macaranga beccariana</i>		7.2x10 ⁻⁶	9.6x10 ⁴		300	115
	<i>Macaranga beccariana</i>		4.4x10 ⁻⁶	1.6x10 ⁵		300	115
	<i>Macaranga beccariana</i>		3.1x10 ⁻⁶	2.3x10 ⁵		300	115
	<i>Macaranga beccariana</i>	4.1x10 ⁵	4.2x10 ⁻⁶	1.7x10 ⁵		300	115
	<i>Macaranga gigantea</i>		5.3x10 ⁻⁶	1.3x10 ⁵		300	115
	<i>Macaranga gigantea</i>		5.6x10 ⁻⁷	1.2x10 ⁶		300	115
	<i>Macaranga gigantea</i>	1.9x10 ⁶	1.4x10 ⁻⁶	5.0x10 ⁵		300	115
	<i>Macaranga hosei</i>		8.3x10 ⁻⁶	8.3x10 ⁴		300	115
	<i>Macaranga hosei</i>		1.9x10 ⁻⁶	3.6x10 ⁵		300	115
	<i>Macaranga hosei</i>		4.2x10 ⁻⁶	1.7x10 ⁵		300	115
	<i>Macaranga hosei</i>	2.3x10 ⁶	2.5x10 ⁻⁶	2.8x10 ⁵		300	115
	<i>Macaranga hullettii</i>		5.6x10 ⁻⁷	1.2x10 ⁶		300	115
	<i>Macaranga hullettii</i>		5.6x10 ⁻⁷	1.2x10 ⁶		300	115
	<i>Macaranga hullettii</i>		8.3x10 ⁻⁷	8.3x10 ⁵		300	115
	<i>Macaranga hullettii</i>	4.6x10 ⁵	1.4x10 ⁻⁶	5.0x10 ⁵		300	115
	<i>Macaranga hypoleuca</i>		6.4x10 ⁻⁶	1.1x10 ⁵		300	115
	<i>Macaranga hypoleuca</i>		1.1x10 ⁻⁶	6.2x10 ⁵		300	115

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Macaranga hypoleuca</i>		3.6x10 ⁻⁶	1.9x10 ⁵		300	115
	<i>Macaranga hypoleuca</i>	8.8x10 ⁵	8.3x10 ⁻⁷	8.3x10 ⁵		300	115
	<i>Macaranga lamellata</i>		2.8x10 ⁻⁷	2.5x10 ⁶		300	115
	<i>Macaranga lamellata</i>		2.8x10 ⁻⁷	2.5x10 ⁶		300	115
	<i>Macaranga lamellata</i>	2.8x10 ⁵	5.6x10 ⁻⁷	1.2x10 ⁶		300	115
	<i>Macaranga trachyphylla</i>		3.9x10 ⁻⁶	1.8x10 ⁵		300	115
	<i>Macaranga trachyphylla</i>		1.7x10 ⁻⁶	4.2x10 ⁵		300	115
	<i>Macaranga trachyphylla</i>		8.3x10 ⁻⁷	8.3x10 ⁵		300	115
	<i>Macaranga trachyphylla</i>	7.8x10 ⁵	2.2x10 ⁻⁶	3.1x10 ⁵		300	115
	<i>Macaranga triloba</i>		1.1x10 ⁻⁵	6.4x10 ⁴		300	115
	<i>Macaranga triloba</i>		1.7x10 ⁻⁶	4.2x10 ⁵		300	115
	<i>Macaranga triloba</i>		1.1x10 ⁻⁶	6.2x10 ⁵		300	115
	<i>Macaranga triloba</i>	8.7x10 ⁵	8.3x10 ⁻⁷	8.3x10 ⁵		300	115
	<i>Macaranga winkleri</i>		5.6x10 ⁻⁶	1.2x10 ⁵		300	115
	<i>Macaranga winkleri</i>		2.8x10 ⁻⁶	2.5x10 ⁵		300	115
	<i>Macaranga winkleri</i>		3.6x10 ⁻⁶	1.9x10 ⁵		300	115
	<i>Macaranga winkleri</i>	7.8x10 ⁵	7.0x10 ⁻⁶	1.0x10 ⁵		300	115
	<i>Mecranium purpurascens</i>		1.2x10 ⁻⁴	5.7x10 ³	1.1x10 ⁻⁴	292	106
	<i>Meriania purpurea</i>		3.6x10 ⁻⁵	1.9x10 ⁴	2.5x10 ⁻⁵	292	106
	<i>Myrsine seguinii</i>	2.9x10 ⁵	1.1x10 ⁻⁵	6.3x10 ⁴		292	108
	<i>Myrsine seguinii</i>	3.2x10 ⁵	2.2x10 ⁻⁵	3.1x10 ⁴	7.0x10 ⁻⁵	292	107
	<i>Myrsine seguinii</i>	4.5x10 ⁴	4.8x10 ⁻⁶	1.5x10 ⁵		292	107
	<i>Neolitsea aciculata</i>	1.6x10 ⁶	6.3x10 ⁻⁵	1.1x10 ⁴		292	108
	<i>Neolitsea aciculata</i>	1.5x10 ⁶	5.3x10 ⁻⁵	1.3x10 ⁴	6.4x10 ⁻⁵	292	107
	<i>Neolitsea aciculata</i>	9.8x10 ⁵	6.1x10 ⁻⁵	1.1x10 ⁴		292	107
	<i>Nothofagus betuloides</i>	7.5x10 ⁵	1.1x10 ⁻⁵	6.0x10 ⁴			112
	<i>Nothofagus betuloides</i>	2.7x10 ⁵	1.0x10 ⁻⁵	6.9x10 ⁴			112

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Nothofagus betuloides</i>	1.8x10 ⁴	2.7x10 ⁻⁵	2.6x10 ⁴			112
	<i>Nothofagus betuloides</i>	2.7x10 ⁵	1.3x10 ⁻⁵	5.4x10 ⁴			112
	<i>Nothofagus betuloides</i>	6.2x10 ⁴	1.5x10 ⁻⁵	4.7x10 ⁴			112
	<i>Nothofagus fusca</i>		1.3x10 ⁻⁵	5.4x10 ⁴		285	111
	<i>Nothofagus pumilio</i>	3.2x10 ⁵	1.5x10 ⁻⁵	4.7x10 ⁴			112
	<i>Nothofagus pumilio</i>	2.4x10 ⁵	1.4x10 ⁻⁵	4.8x10 ⁴			112
	<i>Nyssa aquatica</i>	1.3x10 ¹	5.2x10 ⁻³	1.3x10 ²			110
	<i>Ormosia coccinea</i>	4.7x10 ⁵	1.2x10 ⁻⁴	5.8x10 ³		301	105
	<i>Ostrya virginiana</i>		5.2x10 ⁻⁵	1.3x10 ⁴		282	104
	<i>Parashorea macrophylla</i>	2.4x10 ⁵	7.1x10 ⁻⁵	9.8x10 ³	1.5x10 ⁻⁵	299	113
	<i>Picea engelmannii</i>	1.0x10 ⁴	2.4x10 ⁻⁵	2.9x10 ⁴		284	99
	<i>Picea mariana</i>		2.5x10 ⁻⁵	2.8x10 ⁴		266	116
	<i>Picea mariana</i>		5.8x10 ⁻⁶	1.2x10 ⁵		266	116
	<i>Pinus sylvestris</i>	3.1x10 ⁴	4.8x10 ⁻⁵	1.4x10 ⁴		282	117
	<i>Podocarpus nagi</i>	12 x10 ⁵	6.1x10 ⁻⁵	1.1x10 ⁴		292	108
	<i>Podocarpus nagi</i>	2.4x10 ⁵	6.1x10 ⁻⁵	1.1x10 ⁴	9.1x10 ⁻⁵	292	107
	<i>Podocarpus nagi</i>	1.2x10 ⁶	5.2x10 ⁻⁵	1.3x10 ⁴		292	107
	<i>Podocarpus urbanii</i>	1.1x10 ⁴	1.7x10 ⁻⁵	4.2x10 ⁴	2.8x10 ⁻⁵	292	106
	<i>Populus grandidentata</i>		3.9x10 ⁻⁵	1.8x10 ⁴		282	104
	<i>Populus tremuloides</i>	2.5x10 ²	9.1x10 ⁻⁴	7.6x10 ²		280	118
	<i>Populus tremuloides</i>	4.4x10 ²	9.5x10 ⁻⁴	7.3x10 ²		280	118
	<i>Poulsenia armata</i>	11 x10 ⁵	9.7x10 ⁻⁵	7.1x10 ³		301	105
	<i>Psychotria corymbosa</i>		1.1x10 ⁻⁴	6.6x10 ³	1.5x10 ⁻⁴	292	106
	<i>Pterocarpus rohrii</i>	9.4x10 ⁵	1.7x10 ⁻⁴	4.1x10 ³		301	105
	<i>Quararibea asterolepsis</i>	2.8x10 ⁶	1.7x10 ⁻⁵	4.2x10 ⁴		301	105
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.3x10 ⁻⁵	5.2x10 ⁴		289	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.4x10 ⁻⁵	5.1x10 ⁴		289	119

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Quercus ssp.</i>	5.0x10 ⁵	1.7x10 ⁻⁵	4.1x10 ⁴		287	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	2.4x10 ⁻⁵	2.9x10 ⁴		287	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.1x10 ⁻⁵	6.6x10 ⁴		283	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	3.0x10 ⁻⁵	2.3x10 ⁴		283	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.8x10 ⁻⁵	4.0x10 ⁴		286	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.9x10 ⁻⁵	3.6x10 ⁴		286	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	6.4x10 ⁻⁶	1.1x10 ⁵			119
	<i>Quercus ssp.</i>	5.0x10 ⁵	2.3x10 ⁻⁵	3.1x10 ⁴			119
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.0x10 ⁻⁵	6.9x10 ⁴		284	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	2.9x10 ⁻⁵	2.4x10 ⁴		284	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.1x10 ⁻⁵	6.6x10 ⁴		285	119
	<i>Quercus ssp.</i>	5.0x10 ⁵	1.0x10 ⁻⁵	6.9x10 ⁴		285	119
	<i>Rhododendron tashiroi</i>	2.3x10 ⁵	6.1x10 ⁻⁵	1.1x10 ⁴		292	108
	<i>Rhododendron tashiroi</i>	1.6x10 ⁵	8.3x10 ⁻⁵	8.3x10 ³	4.9x10 ⁻⁵	292	107
	<i>Rhododendron tashiroi</i>	1.6x10 ⁵	1.8x10 ⁻⁵	3.8x10 ⁴		292	107
	<i>Salix nigra</i>	2.9x10 ¹	3.6x10 ⁻³	1.9x10 ²			113
	<i>Sideroxylon montanum</i>		3.3x10 ⁻⁵	2.1x10 ⁴	2.2x10 ⁻⁵	292	106
	<i>Symplocos glauca</i>	1.7x10 ⁵	1.8x10 ⁻⁴	3.8x10 ³		292	108
	<i>Symplocos glauca</i>	1.8x10 ⁵	1.2x10 ⁻⁴	5.8x10 ³	1.0x10 ⁻⁴	292	107
	<i>Symplocos glauca</i>	1.6x10 ⁵	2.2x10 ⁻⁴	3.1x10 ³		292	107
	<i>Symplocos prunifolia</i>	1.4x10 ⁶	1.6x10 ⁻⁴	4.4x10 ³		292	108
	<i>Symplocos prunifolia</i>	7.3x10 ⁵	1.4x10 ⁻⁴	4.9x10 ³	3.1x10 ⁻⁴	292	107
	<i>Symplocos prunifolia</i>	1.2x10 ⁶	9.9x10 ⁻⁵	7.0x10 ³		292	107
	<i>Symplocos tanakae</i>	1.1x10 ⁵	1.0x10 ⁻⁴	7.0x10 ³		292	108
	<i>Symplocos tanakae</i>	1.1x10 ⁵	9.1x10 ⁻⁵	7.6x10 ³	4.4x10 ⁻⁵	292	107
	<i>Symplocos tanakae</i>	1.5x10 ⁵	1.3x10 ⁻⁴	5.4x10 ³		292	107
	<i>Taxodium distichum</i>	1.1x10 ¹	2.7x10 ⁻³	2.6x10 ²			110

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Terminalia superba</i>		1.1×10 ⁻³	6.5×10 ²		299	114
	<i>Terminalia superba</i>		3.0×10 ⁻³	2.3×10 ²		299	114
	<i>Terminalia superba</i>		4.4×10 ⁻³	1.6×10 ²		299	114
	<i>Tetragastris panamensis</i>	7.4×10 ⁵	5.3×10 ⁻⁵	1.3×10 ⁴		301	105
	<i>Thuja occidentalis</i>		2.8×10 ⁻³	2.4×10 ²		280	102
	<i>Thuja occidentalis</i>		2.7×10 ⁻³	2.6×10 ²		280	102
	<i>Thuja occidentalis</i>		1.2×10 ⁻³	6.0×10 ²		280	102
	<i>Thuja occidentalis</i>		1.9×10 ⁻³	3.7×10 ²		280	102
	<i>Thuja occidentalis</i>		8.7×10 ⁻⁶	8.0×10 ⁴	1.1×10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		5.6×10 ⁻⁶	1.2×10 ⁵	1.3×10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		9.9×10 ⁻⁶	7.0×10 ⁴	1.3×10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		6.1×10 ⁻⁶	1.1×10 ⁵	5.6×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		3.4×10 ⁻⁶	2.1×10 ⁵	7.1×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		1.0×10 ⁻⁵	6.9×10 ⁴	1.1×10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		8.7×10 ⁻⁶	8.0×10 ⁴	5.6×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		1.3×10 ⁻⁵	5.2×10 ⁴	5.8×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		9.2×10 ⁻⁶	7.5×10 ⁴	5.6×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		2.5×10 ⁻⁵	2.8×10 ⁴	9.4×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		1.4×10 ⁻⁵	5.0×10 ⁴	1.5×10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		3.5×10 ⁻⁵	2.0×10 ⁴	1.1×10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		2.4×10 ⁻⁵	2.8×10 ⁴	5.1×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		2.2×10 ⁻⁵	3.1×10 ⁴	3.0×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		1.9×10 ⁻⁵	3.6×10 ⁴	6.5×10 ⁻⁶	281	120
	<i>Thuja occidentalis</i>		4.9×10 ⁻⁵	1.4×10 ⁴	1.8×10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		4.5×10 ⁻⁵	1.5×10 ⁴	1.5×10 ⁻⁵	281	120
<i>Thuja occidentalis</i>		4.2×10 ⁻⁵	1.6×10 ⁴	3.0×10 ⁻⁵	281	120	

Table 2. (cont).

Plant type	Species (or community)	Individual plant mass (gDW)	Mortality rate (d ⁻¹)	Half-life (d)	Birthrate (d ⁻¹)	Temperature (K)	Source Plant data
Trees	<i>Thuja occidentalis</i>		8.2x10 ⁻⁷	8.5x10 ⁵	2.1x10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		5.9x10 ⁻⁶	1.2x10 ⁵	3.2x10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		1.2x10 ⁻⁵	5.8x10 ⁴	2.6x10 ⁻⁵	281	120
	<i>Thuja occidentalis</i>		1.6x10 ⁻⁵	4.2x10 ⁴	4.0x10 ⁻⁶	281	120
	<i>Tilia heterophylla</i>	2.0x10 ⁶	2.7x10 ⁻⁵	2.6x10 ⁴		284	103
	<i>Tilia americana</i>		3.9x10 ⁻⁵	1.8x10 ⁴		282	104
	<i>Trichilia tuberculata</i>	4.1x10 ⁵	4.7x10 ⁻⁵	1.5x10 ⁴		301	105
	<i>Tsuga canadensis</i>		3.1x10 ⁻⁵	2.2x10 ⁴		282	104
	<i>Tsuga canadensis</i>	2.5x10 ⁶	1.8x10 ⁻⁵	4.0x10 ⁴		284	105
	<i>Tsuga heterophylla</i>		1.7x10 ⁻⁴	4.2x10 ³		282	121
	<i>Tsuga heterophylla</i>		3.1x10 ⁻⁴	2.3x10 ³		282	121
	<i>Tsuga heterophylla</i>		1.2x10 ⁻⁴	5.6x10 ³		282	121
	<i>Vaccinium meridionale</i>		4.4x10 ⁻⁵	1.6x10 ⁴	4.4x10 ⁻⁵	292	106
	<i>Virola sebifera</i>	2.9x10 ⁵	1.1x10 ⁻⁴	6.6x10 ³		301	105
	<i>Virola surinamensis</i>	12 x10 ⁵	5.8x10 ⁻⁵	1.2x10 ⁴		301	105