**For all years 1997-2001:**

coeff\_d\_loss = 1.0217 +/- 0.0029

k\_light\_sm = 82.9 +/- 13.0

k\_alg\_si = 0.138 +/- 0.03

k\_att\_shade = 0.01182 +/- 0.00052

frac\_si\_alg = 0.0669 +/- 0.0017

factor\_silica = 0.933 +/- 0.015

k\_alg\_growth\_max = 2.7 +/- 0.18

**For 1997:**

coeff\_d\_loss = 1.0174 +/- 0.0025

k\_light\_sm = 60.9 +/- 8.7

k\_alg\_si = 0.167 +/- 0.029

k\_att\_shade = 0.0121 +/- 0.00048

frac\_si\_alg = 0.0623 +/- 0.0013

factor\_silica = 0.8972 +/- 0.0094

k\_alg\_growth\_max = 2.69 +/- 0.16

**For 1998:**

coeff\_d\_loss = 0.999 +/- 0.0052

k\_light\_sm = 27.1 +/- 17.0

k\_alg\_si = 0.318 +/- 0.1

k\_att\_shade = 0.015 +/- 0.0087

frac\_si\_alg = 0.0817 +/- 0.0077

factor\_silica = 1.309 +/- 0.086

k\_alg\_growth\_max = 2.19 +/- 0.22

**For 1999:**

coeff\_d\_loss = 1.0157 +/- 0.0032

k\_light\_sm = 122.0 +/- 24.0

k\_alg\_si = 0.0571 +/- 0.022

k\_att\_shade = 0.01139 +/- 0.00054

frac\_si\_alg = 0.0684 +/- 0.0022

factor\_silica = 0.8 +/- 0.015

k\_alg\_growth\_max = 2.9 +/- 0.3

**For 2000:**

coeff\_d\_loss = 1.032 +/- 0.0052

k\_light\_sm = 207.0 +/- 37.0

k\_alg\_si = 0.0784 +/- 0.029

k\_att\_shade = 0.0157 +/- 0.0016

frac\_si\_alg = 0.0523 +/- 0.0011

factor\_silica = 0.776 +/- 0.012

k\_alg\_growth\_max = 5.02 +/- 0.85

**For 2001:**

coeff\_d\_loss = 1.0111 +/- 0.003

k\_light\_sm = 20.3 +/- 11.0

k\_alg\_si = 0.00973 +/- 0.011

k\_att\_shade = 0.0148 +/- 0.0024

frac\_si\_alg = 0.0921 +/- 0.0031

factor\_silica = 1.025 +/- 0.019

k\_alg\_growth\_max = 1.64 +/- 0.14