```
Control variables in optimisation:
1. b sst habitat(0) = 13.4268
2. T age size slope(0) = 1.06455
3. eF habitat epi(0) = 0.745657
4. eF habitat mmeso(0) = 0.910203
5. eF habitat mbathy(0) = 0.295928
6. MSS species(0) = 0.469338

Initial statistics: 6 variables; iteration 0; function evaluation 0
Function value   1.1059255e+03; maximum gradient component mag   4.1510e+02
Var   Value    Gradient   |Var   Value    Gradient   |Var   Value    Gradient
  1  0.23587 -1.75905e+02 |  2 -0.77001 -2.62749e+02 |  3  0.32697  1.38282e+02
  4  0.61250  2.58367e+02 |  5 -0.26765  4.15103e+02 |  6 -0.45447  2.20853e+02

...

quasi-Newton iterations

...
 - final statistics:
6 variables; iteration 16; function evaluation 28
Function value   8.8558e+02; maximum gradient component mag   9.8197e-01
Exit code = 1;  converg criter   1.0000e+00
Var   Value    Gradient   |Var   Value    Gradient   |Var   Value    Gradient
  1  0.78651  3.56932e-01 |  2 -0.57958  3.91102e-01 |  3 -0.05783 -1.08384e-01
  4  0.43575 -3.57419e-01 |  5 -1.68728  9.45632e-01 |  6 -0.58525  9.81975e-01

Estimated parameters:
1. b sst habitat(0) = 15.319
2. T age size slope(0) = 1.21025
3. eF habitat epi(0) = 0.454642
4. eF habitat mmeso(0) = 0.816134
5. eF habitat mbathy(0) = 0.264148
6. MSS species(0) = 0.339454
```