

Atmosphere 589

Surface ocean  
900

Marine  
biota  
3

Intermediate  
& deep sea  
37,100

Dissolved  
organic  
carbon  
700

Ocean floor  
surface sediments  
1,750

Fossil fuel reserves  
Gas: 383 - 1135  
Oil: 173 - 264  
Coal: 446 - 541

Vegetation  
450 - 650

Soils  
1500 - 2400

Permafrost  
~ 1700

Units  
Fluxes: (PgCyr<sup>-1</sup>)  
Stocks: (PgC)