Atmospheric carbon

Phytoplankton

Trophic Cascade Carbon

1

Surface Layer ~ 100m

2 Biomixing Carbon

3 Bony Fish Carbonate

Whale Pump

4

Movement

~ 1000 m

5 Twilight Zone Carbon

Movement

Breeding grounds

Movement

Feeding grounds

6 Great Whale Conveyor Belt

7 Food Web Carbon

8 Biomass Carbon

9 Deadfall Carbon

Deep Ocean Floor

- Nutrient Flux
- Carbon Flux
- Calcium Carbonate
- Waste Products

Reference: Lutz, S.J., Pearson, H., Vatter J., Bhakta D. (2018): Oceanic Blue Carbon. Arendal: GRID-Arendal