

Zooplankton

Phytoplankton

diatoms, diazotrophs, coccoliths, small phytoplankton

mortality

aggregation

non-grazing
mortality

zooplankton
grazing

Detrital Carbon

large detrital pool

particulate organic carbon (POC)
gravitational sinking

small detrital pool

dissolved organic matter (DOM)
non-sinking

POC Excess

reminscaled by depth, O_2 , Temp (new)

QA POC

ballasted fraction of POC
longer lengthscales
reminscaled by depth

