Turbulent Water

Still water or laminar flow

sediment/water interface

bioturbation

“lock-in depth”

compaction

a) non-flocculating environment (freshwater)

Particle concentration

Input of magnetic minerals ( ), clays ( )

dilute suspension

resuspension/reflocculation

b) flocculating environment (marine)

gel zone

benthic boundary layer

injection/excretion

consolidation

historical layer

compaction

consolidated zone

injection/excretion

consolidation

historical layer

compaction

resuspension/reflocculation

export to bottom

flocculation/pellitization