Sandstone
Nutrient-poor, rapid deposition, low diversity, low abundance

Silty mudstone
Nutrient-poor, rapid deposition, low diversity, low abundance

Clay
Nutrient-rich, slow deposition, high diversity, high abundance

Compaction
- Sandstone: 95% original volume
- Silty mudstone: 85% original volume
- Clay: >50% original volume

Groundwater
- Sandstone: Porous and permeable
- Silty mudstone: Some porosity and permeability
- Clay: Aquiclude

Dissolution of aragonitic foraminifera
- Sandstone
- Silty mudstone

Partial dissolution of aragonitic foraminifera
- Clay