Sequence Deposits in A Eustatic Sea Level Cycle

High Stand Tract
Environments Actively Prograde Across Shelf

Condensed Section
Top of Sea Level Rise.
Maximum Flood Surface
Sediment supply to shelf/basin restricted

Transgressive Systems Tract
Relative Sea Level Rises Faster Than environments prograde. Transition environments prominent

Low Stand Tract
Erosion of Proximal Sources. Major sediment movement toward basin

Environmental Progradation

Shoreline Onlap

Environmental Backstepping

Backswamp & Mesiader Shells
Coastal Plain Beach, lagoon, tidal, marsh, dune, lake

Exposed Shelf

Environmental Progradation

I-Channel incising across shelf at lowest sea level
II-Ice submergence
III-Ice submergence