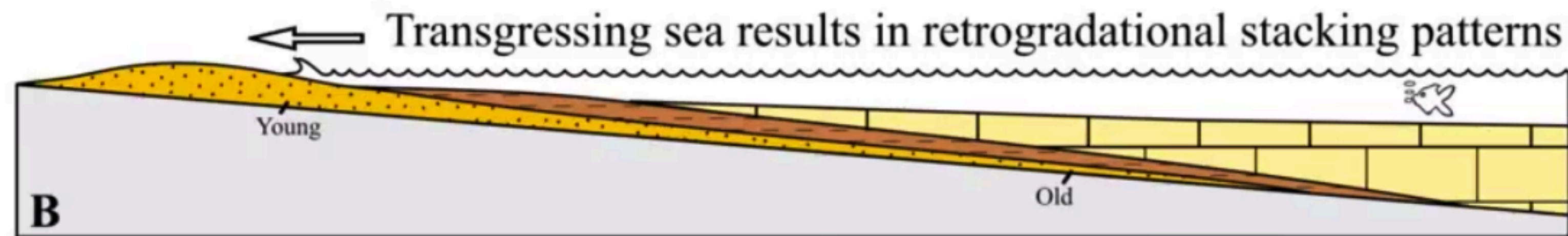
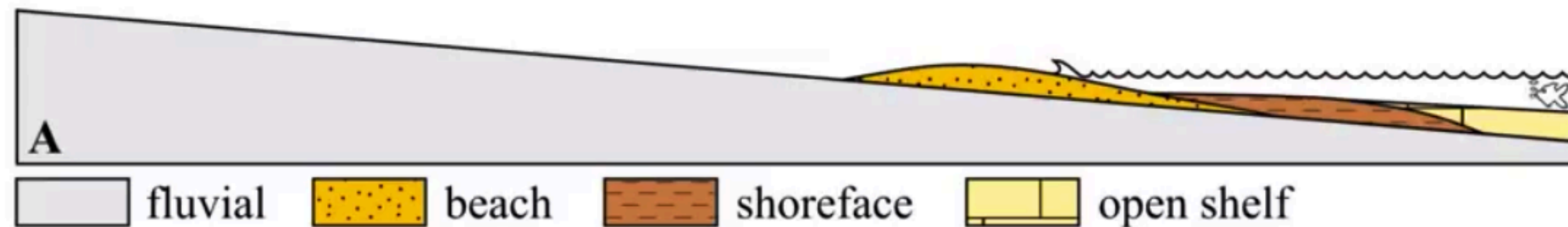
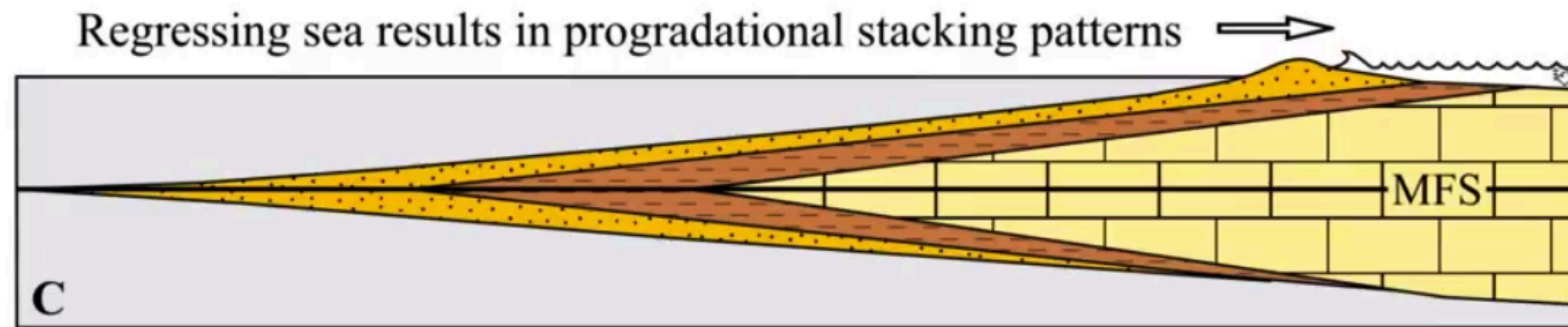


Systems tracts and shoreline shifts

Shifts in shoreline position create distinct vertical stacking patterns of facies (retrogradation vs. progradation)

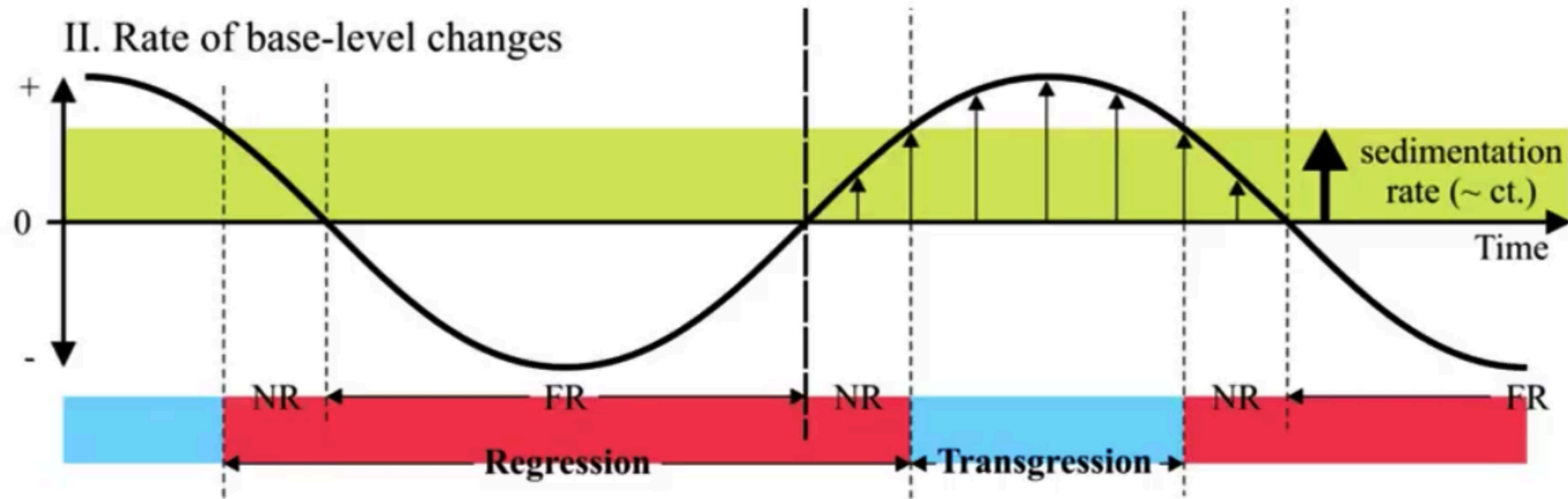


Transgression: landward shoreline & facies shift



Regression: seaward shoreline & facies shift

Systems tracts and shoreline shifts



Some cautions:

1. Single reference curve applied to whole basin, whereas subsidence and sedimentation may vary spatially
2. Complete cycle may not develop in regions with very high subsidence or sedimentation