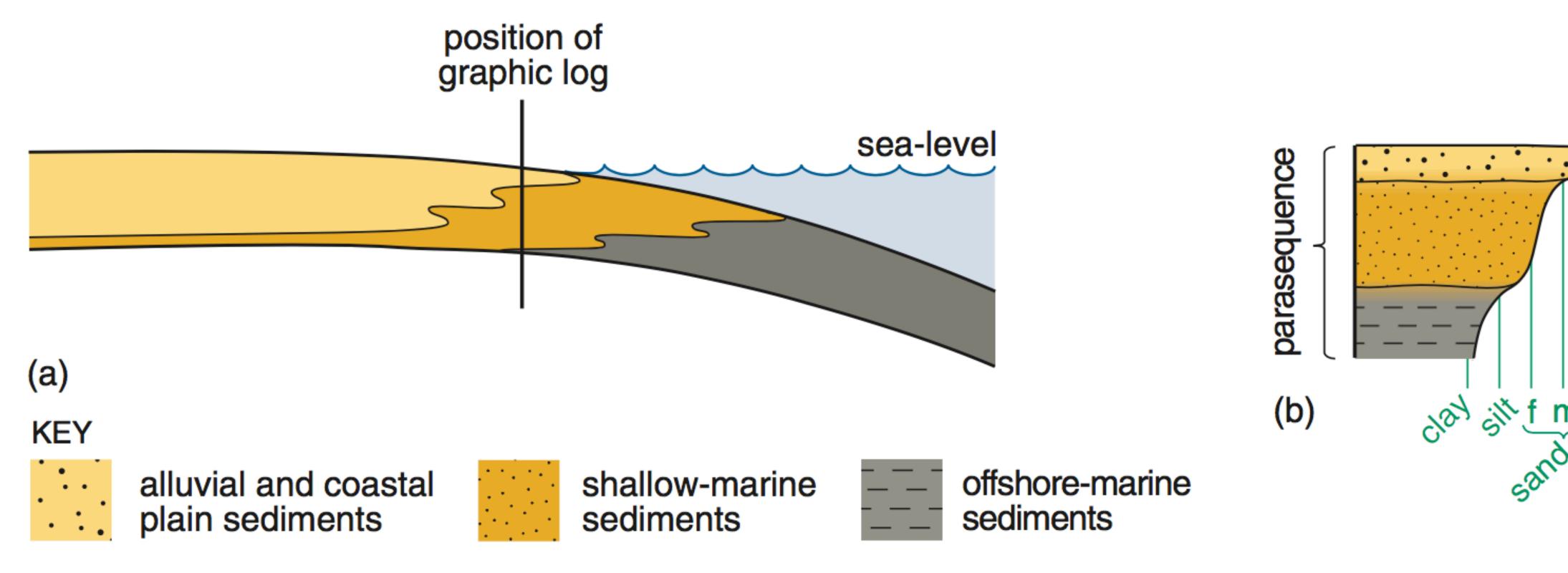
Development of parasequences

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over a number of different time-scales. Small-scale sequence stratigraphical depositional units (parasequences) stack together due to changes in accommodation space and/or sediment supply over longer time periods to form sequences.

Relative sea-level and therefore accommodation space, together with sediment supply vary



A simplified graphic log of the resultant coarsening-upward succession termed a parasequence.

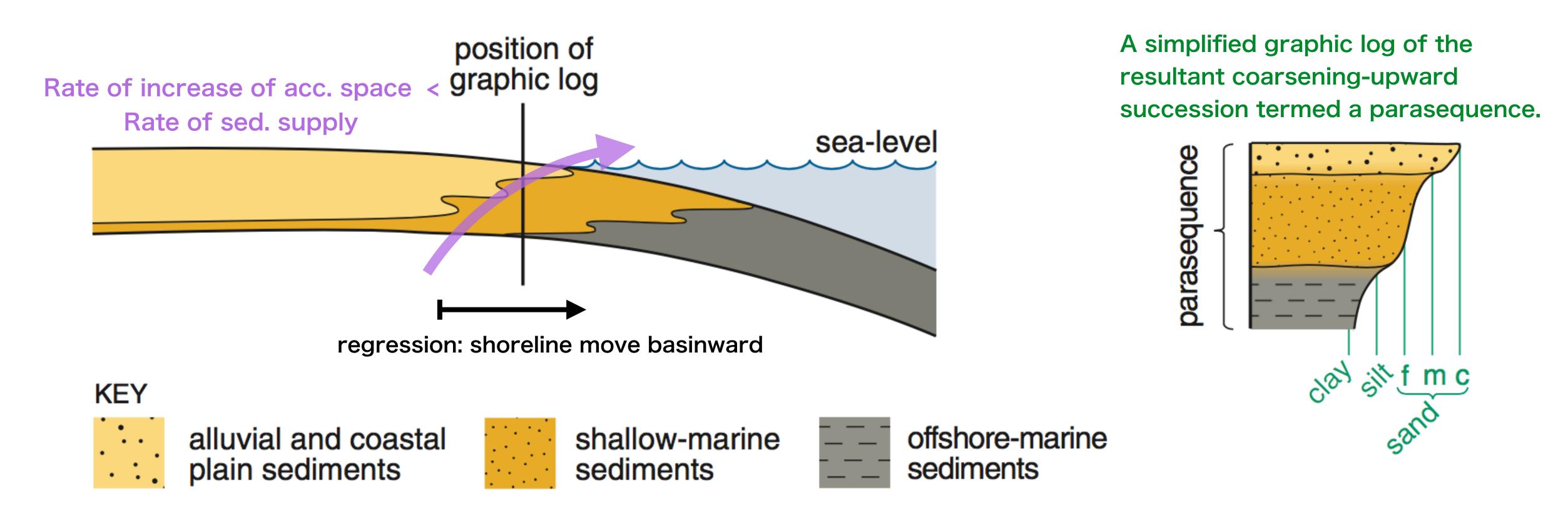




Rate of increase of acc. space < Rate of sed. supply

regression: shoreline move basinward

Development of parasequences

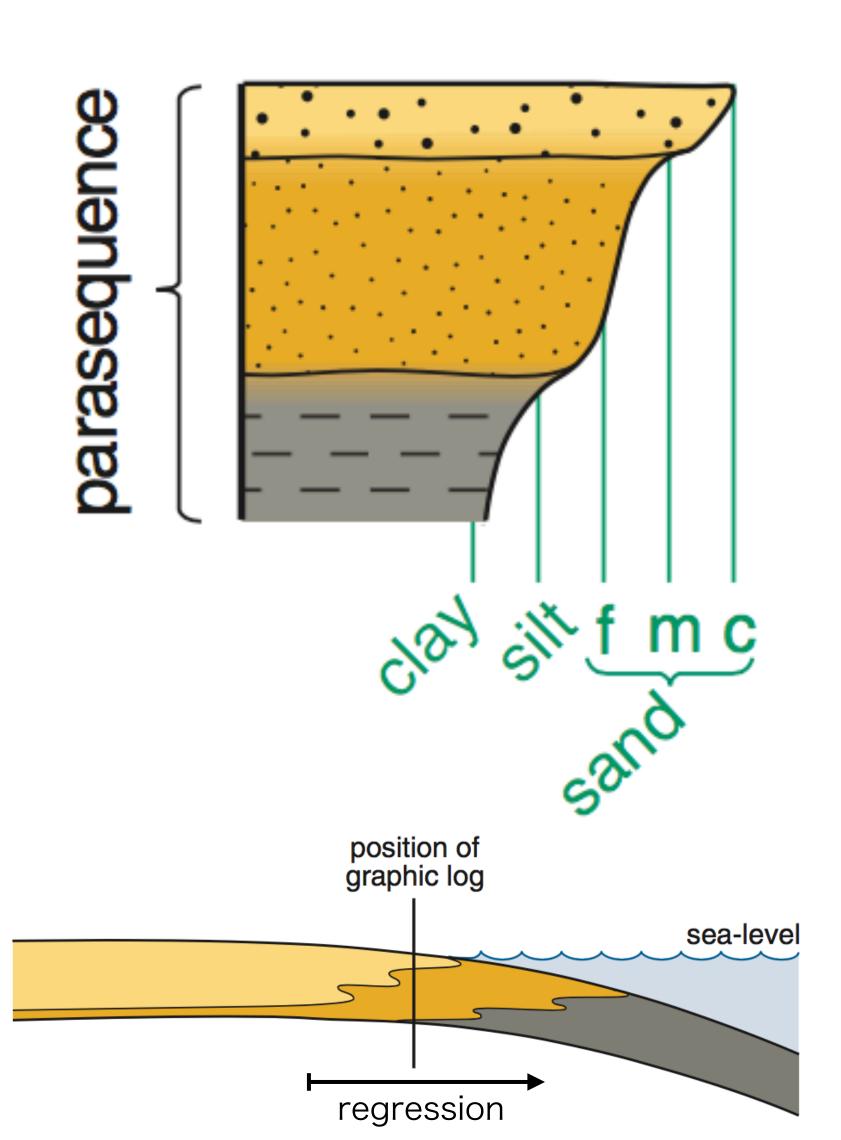


Relative sea-level and therefore accommodation space, together with sediment supply vary over a number of different time-scales.

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Development of parasequences



Deposits accumulate through time in progressively shallower-water depths



parasequence is shallowing-upward and usually coarsening-upward

If rate of sed. supply & rate of acc. space remained constant: the succession continues to prograde into the basin until the sediments have filled all the available accommodation space.