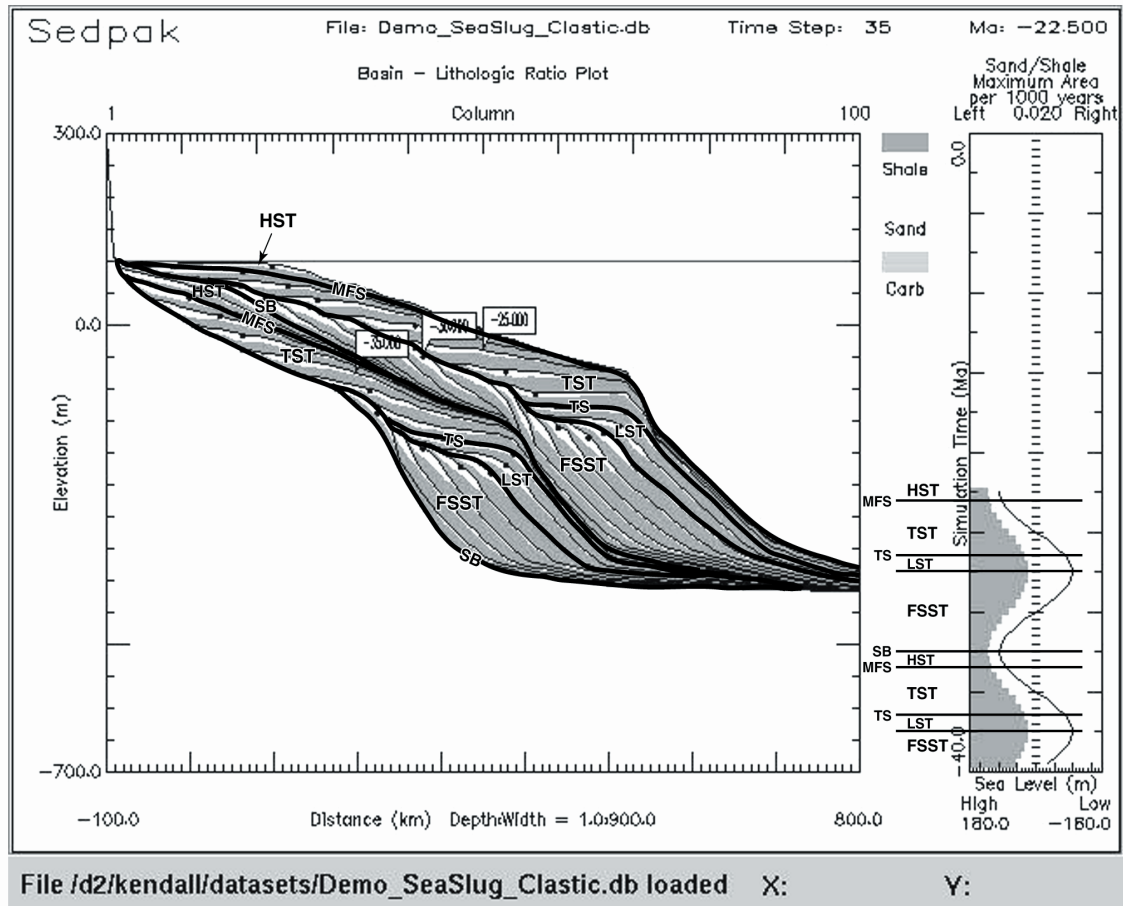


## Exercise 2 Answers

**Question 2.1** Each package of sediment between the thin black lines is a parasequence.

**Question 2.2** See Figure A2.1.



**Figure A2.1** Part of the simulation movie 'Repeated uniform cycles of sea-level and clastic input', from Chris Kendall's website, with the systems tracts and key surfaces labelled.

**Question 2.3** The sea-level curve shown in the movie is a eustatic sea-level curve, as the component of linear subsidence apparent from the cross-section movie has not been included (note how, as the movie proceeds, the depositional slope gradually moves downwards creating new accommodation space, in addition to that created during each eustatic sea-level rise, as each parasequence is deposited). If the component of subsidence and the eustatic sea-level curve were added together, a relative sea-level curve would result (see *The Sedimentary Record of Sea-Level Change* Figure 4.8).