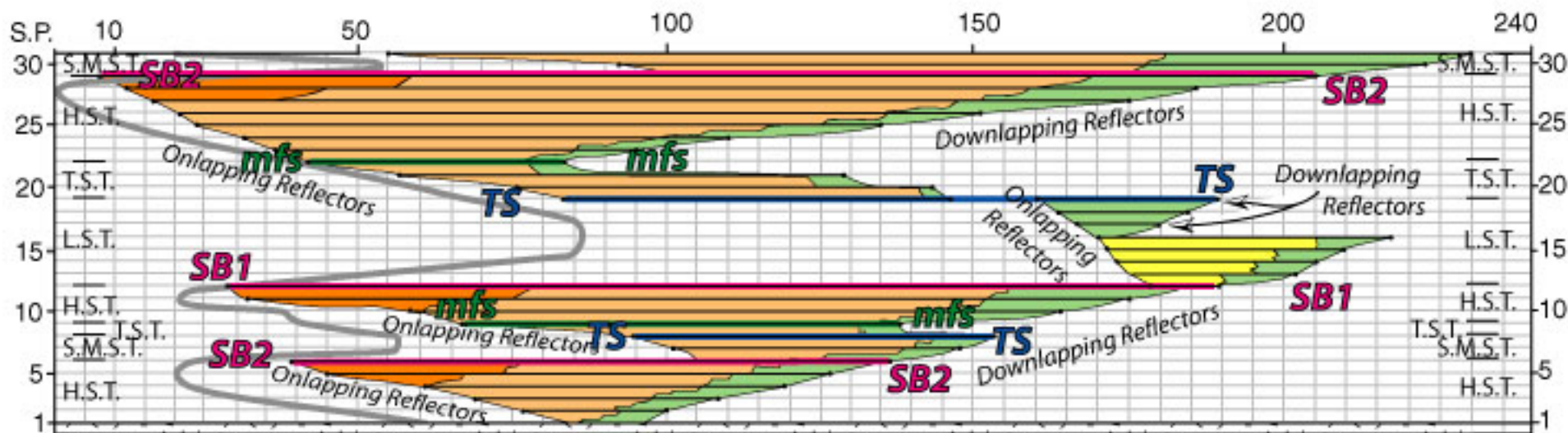


EXERCISE: CHRONOSTRATIGRAPHIC CHART

Chronostratigraphic Chart and the Sea Level Curve

Lithology, Onlap, Offlap, and Downlap, Systems Tracts, Sequence Boundaries (type 1 or 2)

Transgressive Surfaces, Maximum Flooding Surfaces, and Condensed Sections



C. G. St. C. Kendall February 2001 after a larger scale version designed by Jerry Baum

- REFLECTOR & TERMINATIONS
- ∩ SEA LEVEL
- ALLUVIUM
- NEARSHORE
- MARINE SHALE
- PROXIMAL FAN
- BASEMENT
- 1 NUMBER AT BASE OF LAYER

Onlap to the left and downlap to the right.

L.S.T. = Lowstand system tract; T.S.T. = Transgressive system tract;

H.S.T. = Highstand system tract; and S.M.S.T. = Shelf Margin System Tract.

Sequence Boundaries:- Top of layer 5 (type 2); Top of layer 11 (type 1); and Top of layer 28 (type 2).

Transgressive Surfaces:- Top of layer 7; and Top of layer 19

Ravinement Surfaces:- Top of Layer 7; and Top of Layer 19

Maximum Flooding Surfaces:- Top of Layer 8; and Top of Layer 21

Condensed Sequences:- Layer 8; and Layers 19-21