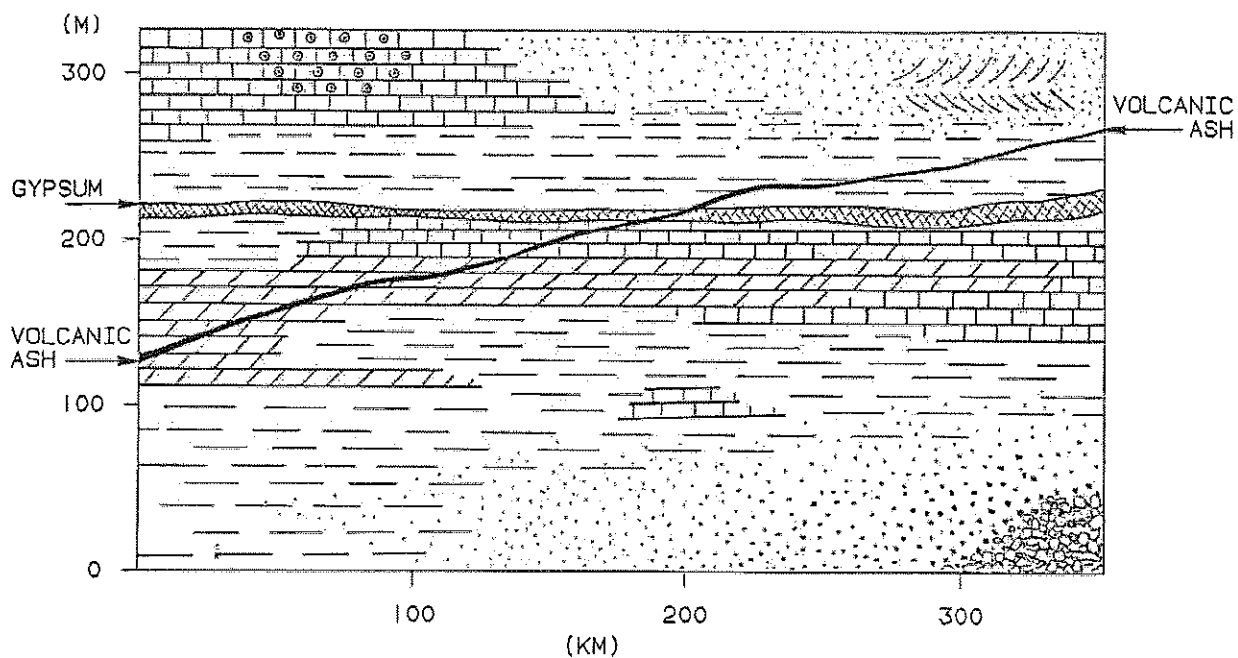


N/A

As an example of how to use the stratigraphic code, divide this figure into formal lithostratigraphic units. Use various colored pencils to designate beds, members, formations or groups as needed. Consult the appropriate portions of the stratigraphic code for help.

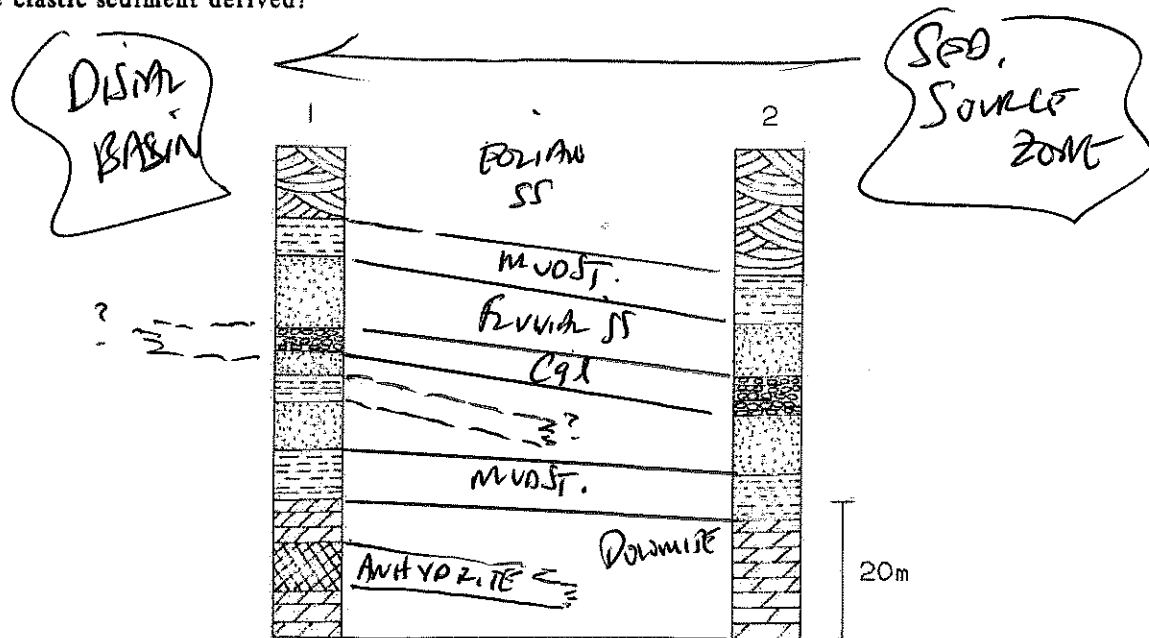


44 EXERCISES IN PHYSICAL STRATIGRAPHY AND SEDIMENTOLOGY

KEY

Exercise 2.2

Correlate the stratigraphic columns in the following problem. From which direction was the coarse clastic sediment derived?



KEY:

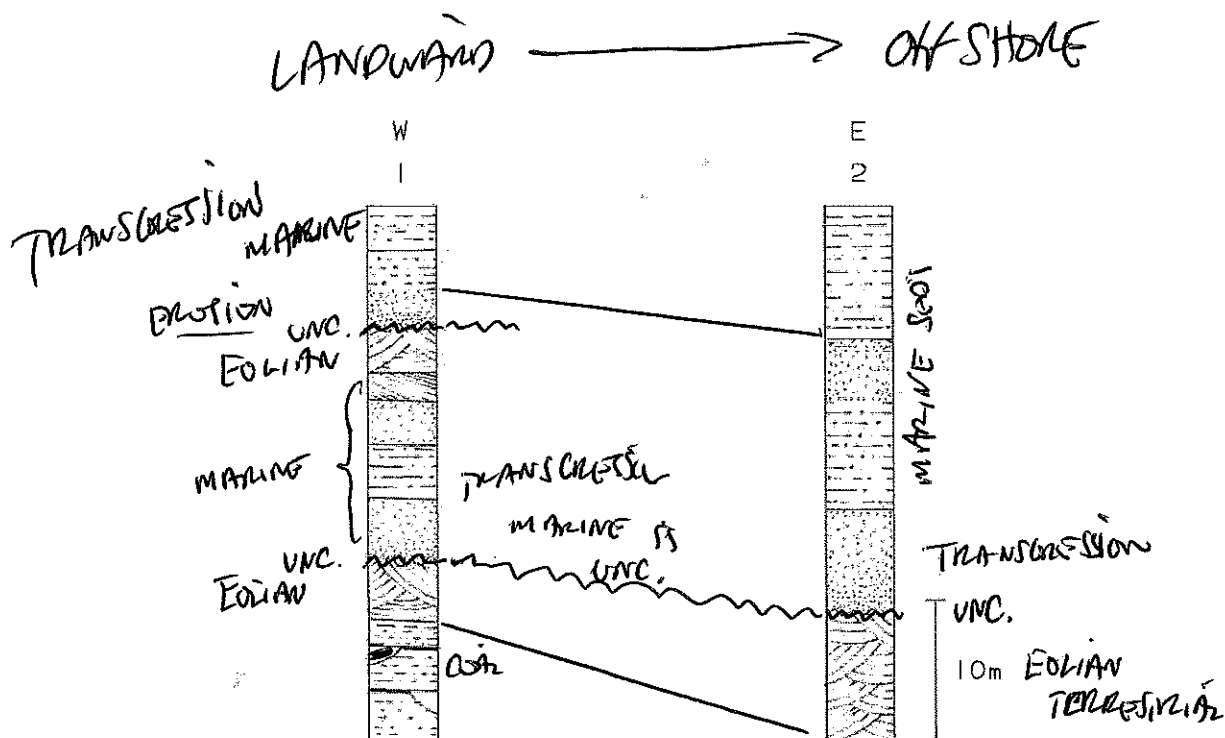
	EOLIAN SANDSTONE		COBBLE CONGLOMERATE
	FLUVIAL SANDSTONE		DOLOMITE
	TERRESTRIAL MUDSTONE		ANHYDRITE

KEY

STRATIGRAPHIC PRINCIPLES AND CORRELATION 45

Exercise 2.3

Correlate the following stratigraphic columns. Which direction is landward? Why is there only one unconformity in the eastern column? What was happening in the east while erosion was occurring in the west?



KEY:

EOLIAN SANDSTONE

MARINE SHALE

LITTORAL SANDSTONE

MARINE SANDY SILTSTONE

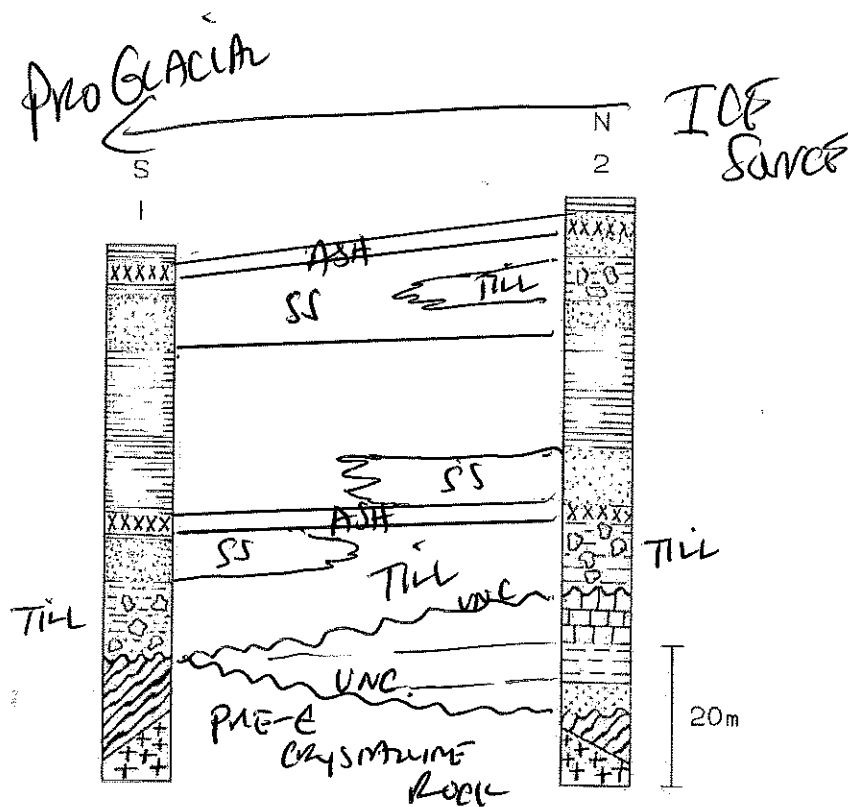
FORESHORE SANDSTONE

COAL, MUDSTONE, AND SANDSTONE

KJH

Exercise 2.4

Correlate the following measured sections. From what direction does the till appear to be derived? Do your chronostratigraphic correlations support this?



KEY:

- | | |
|----------------------|------------------------|
| SILTSTONE RHYTHMITES | CAMBRIAN LIMESTONE |
| DIAMICTITE (TILL) | MUDSTONE W/ TRILOBITES |
| PROGLACIAL SANDSTONE | LITTORAL SANDSTONE |
| VOLCANIC ASH | ARCHEAN BASEMENT |