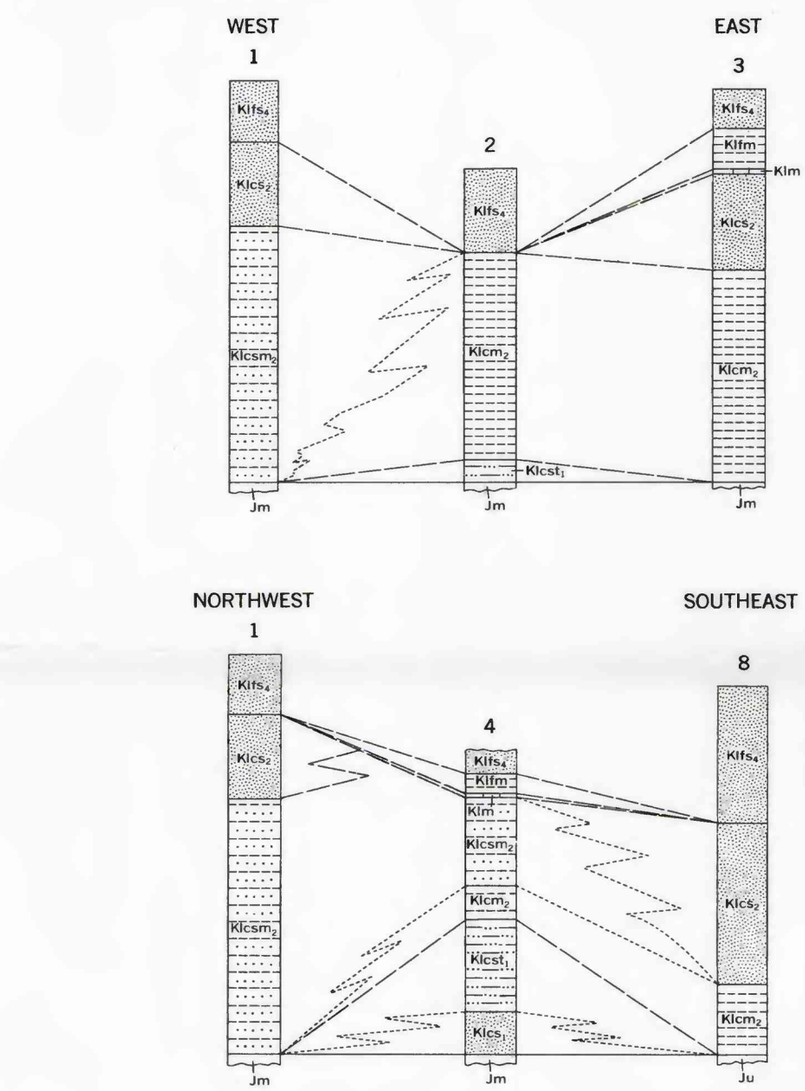
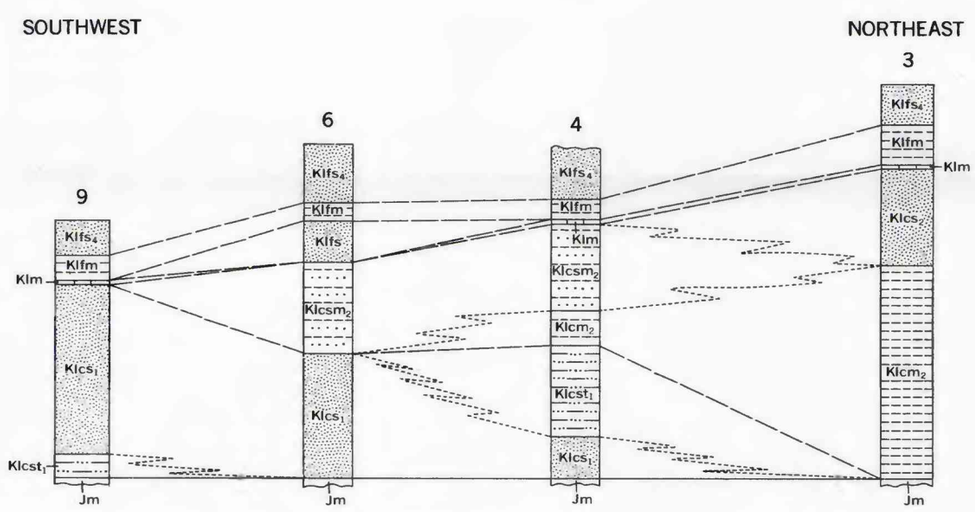
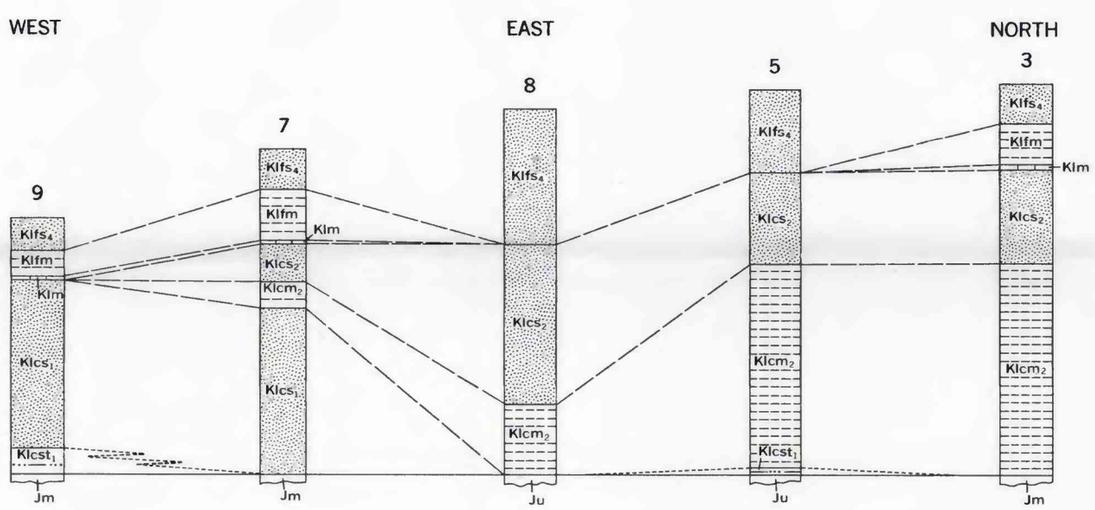






EXPLANATION

Lakota Formation

Fuson Member

Unit 4

Klfs4 — Sandstone, pale- to dark-yellowish-orange, locally conglomeratic; fills channels scoured in underlying rocks

Klfm — Mudstone

Klfs — Sandstone, white, argillaceous; locally thick beds

Minnewaste Limestone Member

Klm — Limestone, gray, dense to sandy

Chilson Member

Unit 2

Klcs2 — Sandstone, grayish-yellow, fine-grained, cliff-forming

Klcsm2 — Sandstone and mudstone, interbedded; contains fossil ostracodes, gastropods, pelecypods, fish-bone fragments, and charophyte oogonia

CRETACEOUS

Lakota Formation

Chilson Member

Unit 2

Klcm2 — Mudstone; contains fossil ostracodes and fish-bone fragments

Unit 1

Klcs1 — Sandstone, yellowish-gray, fine-grained, cliff-forming; locally contains coal beds

Klcst1 — Siltstone, carbonaceous; contains fossil ostracodes, *Isaura*, plant spores and pollen; some petroliferous beds

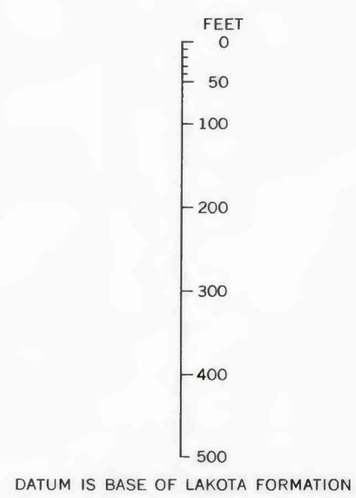
JURASSIC

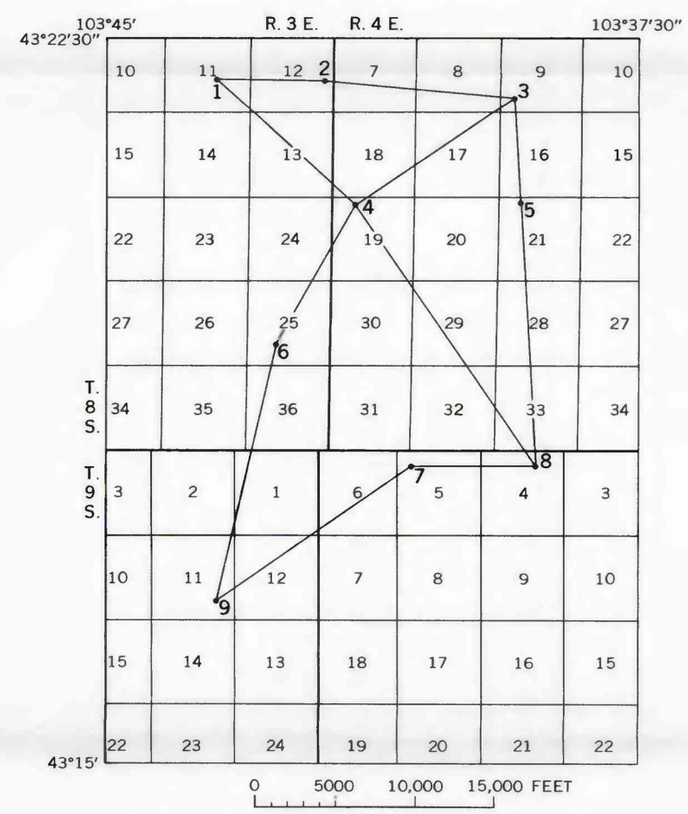
Jm — Morrison Formation

Ju — Unkpapa Sandstone

Correlation line

Interfingering or gradational contact





LOCATIONS OF COLUMNAR SECTIONS IN THE FLINT HILL QUADRANGLE

DIAGRAM SHOWING CORRELATION AND THICKNESS OF LITHOLOGIC UNITS IN THE LAKOTA FORMATION, FLINT HILL QUADRANGLE, SOUTH DAKOTA

423-557 O - 71 (In pocket)