



GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

Figure 5

Lateral continuity of varves. Examples of gradual disappearance or abrupt terminations of sandy basal varves, Ontario

(A) Proximal varves near an esker showing examples of truncation of varves (section A is at location 1, Fig. 1). Varves thin along the paleocurrent direction (based on 5 cross-laminations).

(B) Basal sandy varves lying on till (location of sections shown in Fig. 4). Between sections I and location 16, three new varves appear. Correlation by matching varve diagrams as shown in inset. Varves thin towards loc. 16 in a southwesterly direction. Layer I shows conspicuous facies change.

(C) Sandy turbidites embedded in cross-bedded esker sand, showing abrupt termination. Note gradation of turbidites upslope into foresets of esker sand, and concentration of slump structures near the 'break in slope' of the foreset. Paleocurrent based on 40 measurements of crossbedding.

To accompany GSC Bulletin 226 by I. Banerjee