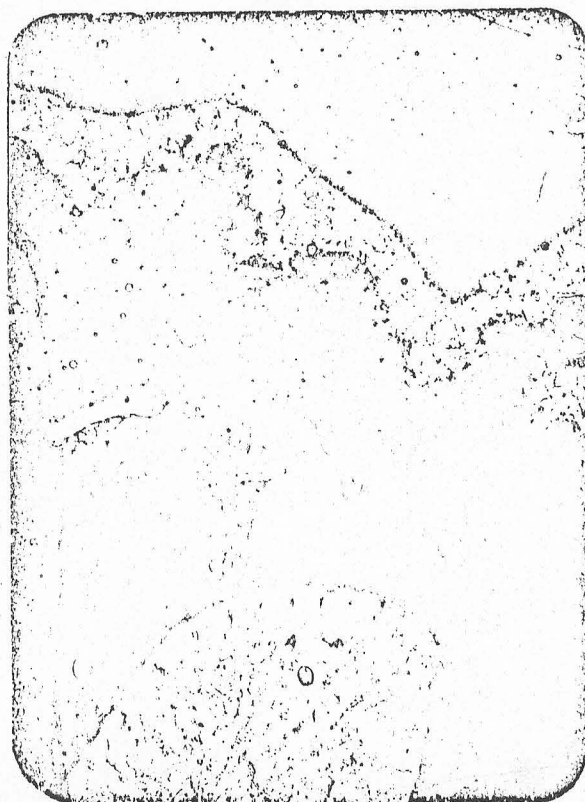
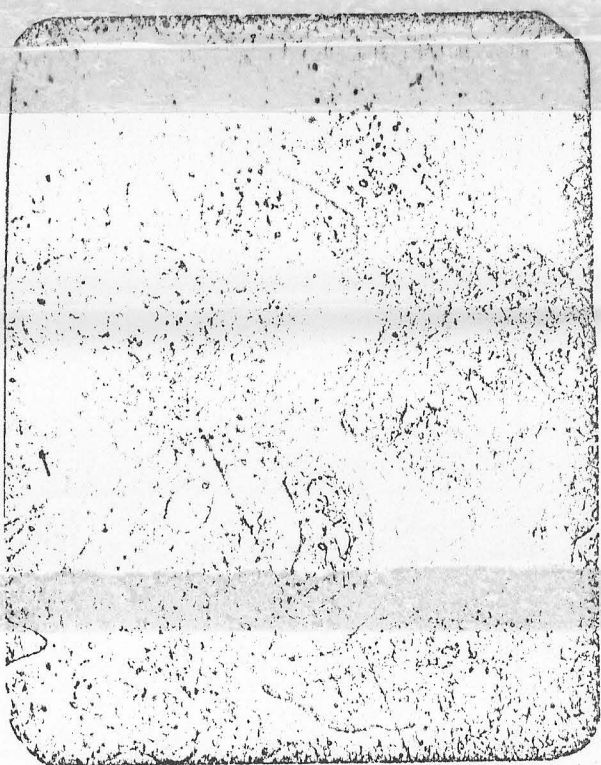


a.



b.



c.

Plate X. Typical carbonate rock types from the Blue Fiord Formation.

- (a) Thin section X5 of the lower part of the Blue Fiord Formation, from the peninsula southeast of Goodsir Inlet, eastern Bathurst Island. It shows a structureless microcrystalline micritic limestone with patches of sparry calcite, probably filling shrinkage cracks and with several stylolites; probably indicating a mud flat environment.
- (b) Acetate peel X5, an oriented specimen from the middle part of Blue Fiord Formation in same area as (a). It is a micritic skeletal limestone. Coral and other fine skeletal material is preserved, little disturbed below a brachiopod valve, above which is lime mud. Calm sedimentation is indicated here with little current activity - perhaps a lagoon or back reef environment.
- (c) Acetate peel X5, a sample from the upper part of Blue Fiord Formation, in same area as (a) and (b). It is detrital skeletal limestone made up entirely of fragmental skeletal debris with sparry calcite cement. The texture points to more turbulent water conditions than either (a) or (b).

