FIGURE 2.

STRATIGRAPHIC sections and facies relations of Carboniferous and Permian rocks, northwestern Axel Heiberg Island to Raanes Peninsula on Ellesmere Island

EXPLANATION

LITHOLOGY

LIMESTONE
LIMESTONE, shaley
LIMESTONE, silty
LIMESTONE, sandy
LIMESTONE, cherty
LIMESTONE, conglomeratic
LIMESTONE, silty and cherty
LIMESTONE, shaley and anhydritic
DOLOMITE
DOLOMITE
SANDSTONE
SANDSTONE, calcareous
SANDSTONE, silty
SANDSTONE, silty and calcareous
SANDSTONE, cherty
SILTSTONE
SILTSTONE, calcareous
SILTSTONE, shaley
SILTSTONE, shaley and calcareous
SILTSTONE, cherty and calcareous
CONGLOMERATE
CONGLOMERATE, sandy or conglomeratic sandstone
CONGLOMERATE, calcareous
SHALE
SHALE, silty
SHALE, calcareous
SHALE, anhydritic or gypsiferous
CHERT
CHERT, calcareous
CHERT, silty, or SILTSTONE, cherty
ANHYDRITE and GYPSUM
Crystalline rocks
Plastic rocks

BEDDING THICKNESS

Thin-bedded
Medium-bedded
Thick-bedded (> 3') (anything under 3' and very thin-bedded, 6"-3')

CONTACTS

Normal sedimentary contact
Angular unconformity
Disconformity

Facies boundary

VERTICAL SCALE 1" = 200'

Paleontological information on this figure includes only identifications of fusulinaceans and ammonoids.

Covered intervals of less than 20 feet are not indicated.

The weathering colours of Carboniferous and Permian rocks on these islands are more than ordinarily contrasted. The overlay colours of these stratigraphic sections indicate the predominant weathering colour of the various formations.

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0067
GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA
OTTAWA
1971

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