



LEGEND

Paleogeology

SO Silurian and/or Upper Ordovician; Mt. Kindle Fm. in N.W.T., Honda Fm. in S.C.; mostly dolomite

C Cambrian; dolomite, shale, sandstone, siltstone; distribution in S.C. modified from Pugh, 1975

PP Uncertain age, Proterozoic and/or Paleozoic; sandstone, quartzite

P Probably Proterozoic, no or very low grade metamorphism; sandstone, quartzite, mudstone, metamudstone or chert

PC Precambrian, igneous and metamorphic rocks
Gabbro identified from core (c) or thin section etc. made from sample cuttings (s)
in N.W.T. only, metaquartzite is indicated by a square; in Alberta and S.C. differentiation of rock type is not attempted

— Approximate geological boundary
- - - Mappable limit or highly uncertain geological boundary
AA' & BB' Line of cross-section

Paleotopography

Pre-Devonian structural and/or topographic relief, approximate amount of relief in brackets

Broad slope, partly (at least) on pre-Devonian origin

Key to References

1 Burwash, 1957. 2 Douglas et al., 1959.
3 London, 1961. 5 Williams, 1977a. 6 Winzer, 1972

All identifications of igneous rocks, unless indicated otherwise, made by M.P.Cecile, I.S.P.C., Calgary

Structure (values in metres)

Subsidence, base of Devonian
Structure contour, base of Devonian
Fault, arrow on down side
Trend of aeromagnetic low, from Burwash, 1957, Fig.4

MIDDLE DEVONIAN CARBONATE BARRIER-COMPLEX OF WESTERN CANADA

MAP 1: PRE-DEVONIAN SURFACE, PALEOGEOLOGY, PALEOTOPOGRAPHY AND PRESENT STRUCTURE

Compiled by G.K. Williams, ISPG, Calgary, 1981

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