

Structural sections along lines AB, BC, and DE
Scale, horizontal and vertical, 1:330

LEGEND

QUATERNARY

RECENT: Q2 Tidal deposits

GLACIAL AND RECENT: Q1 Drift covered areas (with no rock outcrops)

PALÆOZOIC

PENNSYLVANIAN

Petitcodiac series: Zone No. 3 (red sandstone and shale) G3

Petitcodiac series: Zone No. 2 (Millstone Grit) (grey quartzite conglomerate and sandstone) G2

Petitcodiac series: Zone No. 1 (red and dark conglomerate, red shale, greenish micaceous sandstone, and limestone) G1

CARBONIFEROUS

Hillsborough series: Zone No. 4 (gypsum and anhydrite, also isolated areas of rocks of the Petitcodiac series, Zone No. 1.) F4

Hillsborough series: Zone No. 3 (red sandstone and shale) F3

Hillsborough series: Zone No. 2 (limestone) F2

Hillsborough series: Zone No. 1 (red conglomerate and sandstone) F1

MISSISSIPPIAN

Weldon series: Zones Nos. 1, 2, and 3 (E3 - Zone No. 1, red shale; E2 - Zone No. 2, red sandstone and shale, some dark shale; E1 - Zone No. 1, red and greenish conglomerate) E1, E2, E3

Boyd series: Zones Nos. 1, 2, 3, 4, and 5 (C5 - Zone No. 3, red conglomerate and sandstone; C4 and C2 - Zone No. 4, red and greenish sandstone; C3 - Zone No. 2, red and green shale; C1 - Zone No. 1, red shale) C1, C2, C3, C4, C5

PALÆOZOIC PRECAMBRIAN

PRE-CARBONIFEROUS

Albert series: Zones Nos. 1, 2, and 3 (B3 - Zone No. 3, bituminous sandstone and shale; B2 - Zone No. 2, red shale and barren shale; B1 - Zone No. 1, basal conglomerate) B1, B2, B3

Granite A2

Felsite, bedded volcanic, and basic dykes A1

Symbols

Geological boundary (defined)

Geological boundary (approximate)

Geological boundary (assumed)

Dip and strike (only general structure indicated)

Vertical strata

Horizontal strata

Outcrops of rock (the attitudes of which were not determined)

Fault (defined)

Fault (assumed)

Bossel locality

Well (drilled by the New Brunswick Oil and Gas Co. Ltd.)

Manganese deposits



LEGEND

Culture

Streets and buildings

Roads (good)

Roads (poor)

Bush roads, logging roads and paths

Railways

Mine railways

Bridges

Tunnels

Churches

Schools

Post Offices

Cemeteries

Mines

Quarries

Dikes

Dams

Wharves

Lighthouses

Bench marks

County boundaries

Parish boundaries

City boundaries

Water

Rivers and lakes

Watercourses (with interlocking flow)

Springs and sinks

Fresh marshes

Salt marshes

Tidal flats

Relief

Contours (showing land forms, and elevations above sea level) Interval 10 feet

Depression contours

Figures (showing heights in feet above sea level)

Note: Nearly all the rock outcrops are indicated by the signs 'a', 'b', 'c', and 'd'. Most of these outcrops are small, and many are exposed in the banks or beds of streams. With these exceptions the bedrock is covered with drift.

Geographical position based on astronomical station at Moncton, Geodetic Survey of Canada.
Magnetic declination about 22° E. West.
The shore line at Petitcodiac River shown at high tide.

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C. O. Senécal, Geographer and Chief Draughtsman.
A. Jones and A. F. Clark, Draughtsman.

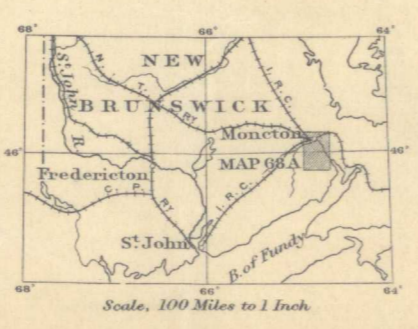
MAP 68 A

Publication No. 1239

MONCTON
WESTMORLAND AND ALBERT COUNTIES
NEW BRUNSWICK

Scale, 62,500
Miles
Kilometres

GEOLOGY
Geology by W. J. Wright, 1913-15, 1919, and W. S. M. Carr, 1921.
TOPOGRAPHY
W. H. Boyd, Chief Topographer
Surveys and Topography by W. E. Lawson, 1911.
Triangulation by S. C. McLean, 1911.



Note for practical purposes assume
1 MILE TO 1 INCH

5.1.4
A, Geol.

To accompany Memoir by W. J. Wright.