GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

PRELIMINARY SERIES

SHEET 21 ¼ (PART OF)

LEGEND

Note: Weighted legend blocks indicate map-units that appear on this map

CENOZOIC — PLEISTOCENE AND RECENT, WISCONSIN AND YOUNGER

- **9** Swamp deposits: muck, peat, marl
- **8** Valley train outwash and terrace deposits: gravel and sand with well rounded stones, well sorted (poorly graded), numerous cut-and fill channel structures; 8a, fine sand, silt
- **7** Glacio-lacustrine and alluvial fine sediments: clay, silt, and fine sand
- **6** Clay, massive and laminated
- **5** Glacial outwash deposits: gravel and sand with subrounded stones; moderate sorting, some cut-and-fill channel structures. Area includes minor basal till, bedrock, and alluvium
- **4** Glacio-fluvial ridge deposits: gravel and sand with rounded to subangular stones; variable sorting, in lenses and dipping beds
- **3** Rill wash: mixed sand and stones. Area includes minor bedrock, and basal till
- **2** Ablation till: gravelly silty till, loose, very stony with dominantly angular stones. Area includes considerable colluvium, reworked till, and decomposed bedrock
- **1** Basal till: gravelly silty clayey till, well compacted, and gravelly sandy till, well compacted, with subrounded stones. Area includes some colluvium, reworked till, minor alluvium, and bedrock

PALAEOZOIC

- **R** Bedrock outcrops and areas where drift is generally less than 3 feet (See inset bedrock map)

Bedrock outcrop . . . . . .

Geological boundary (defined, transitional) . . . . . .

Glacial striae (direction of ice-movement determined by stoss-and-lee, not determined) . . . . . .

Scarp usually bounded by a terrace on the river side . . . . . .

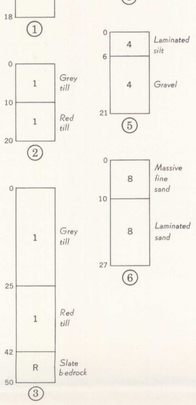
Rill patterns and old drainage channels (flow direction indicated) . . . . . .

Outer limit of significant glacial margin (ticks are on glacier side) . . . . . .

Gravel pit . . . . . G.P.

Geology by Hulbert A. Lee, 1953, 1958, and 1960

Cartography by the Geological Survey of Canada, 1962



COLUMNAR SECTIONS 1-6

Vertical Scale of Feet

10 0 10 20 30

Datum, ground surface

LEGEND

CARBONIFEROUS MISSISSIPPIAN (?)

- **O** Red conglomerate, sandstone
- **N** Diabase sills, dykes
- **M** Granite, granodiorite, syenite
- **L** Diorite, quartz diorite, gabbro

SILURIAN

- **H** Buff and grey-green sandstone, slate, greywacke, intercalated dark grey calcareous slate
- **G** Grey-green, grey, green and red slate; sandstone, greywacke; manganiferous iron formation; minor limestone
- **E** Buff and grey-green sandstone, slate, greywacke; intercalated dark grey calcareous slate

ORDOVICIAN

- **C** Mainly basic volcanic rocks
- **B** Grey-green greywacke, slate, argillite, minor limestone, grit
- **A** Metamorphic rocks: biotite hornfels, schist and gneiss

Geology after F. D. Anderson (1951-1952), and Geological Survey of Canada Map 37-1959 compiled by F. D. Anderson and W. H. Poole (1959).

Scale 1 inch to 2 miles

Map showing bedrock units.

PUBLISHED, 1962
COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

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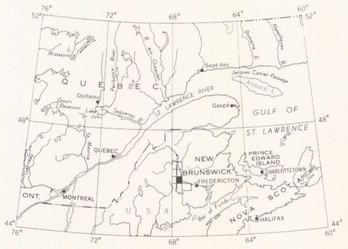

INDEX MAP

MAP 24-1962
TO ACCOMPANY PAPER 62-12

SURFICIAL GEOLOGY
WOODSTOCK
NEW BRUNSWICK

Scale: One Inch to One Mile = $\frac{1}{63,360}$

Miles

1 ½ 0 1 2 3

Base-map by the Surveys and Mapping Branch, 1954

Approximate magnetic declination, 20° 47′ West, decreasing 2.2′ annually

LEGEND

- Road, hard surface . . . . . .
- Road, loose surface . . . . . .
- Other roads . . . . . .
- Trail or portage . . . . . .
- Railway . . . . . .
- Power transmission line . . . . . .
- Horizontal control point . . . . . .
- Post Office . . . . . .
- International boundary . . . . . .
- Township boundary . . . . . .
- Indian Reserve boundary . . . . . .
- Intermittent stream . . . . . .
- Foreshore flats . . . . . .
- Falls: Rapids . . . . . .
- Marsh . . . . . .
- Contours (interval 50 feet) . . . . . .
- Height in feet above mean sea-level . . . . . .

MAP 24-1962
WOODSTOCK
NEW BRUNSWICK
SHEET 21 ¼

MANUSCRIPTS UNIT
NOV 26 1962
C. S. C.

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