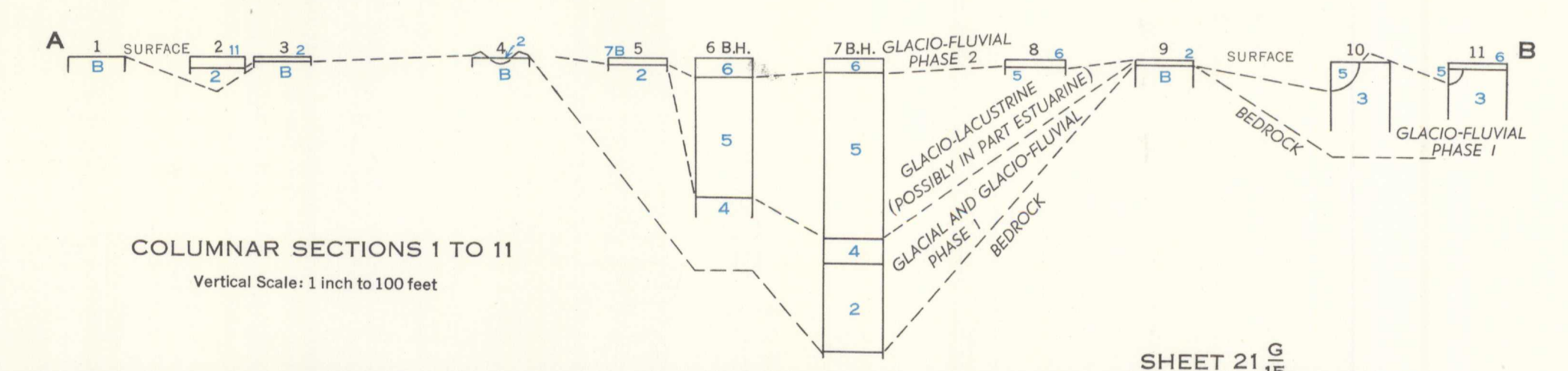


PROFILE ALONG LINE A-B, SHOWING POSITION OF COLUMNAR SECTIONS 1 TO 11
Vertical Scale: 1 inch to 500 feet



COLUMNAR SECTIONS 1 TO 11
Vertical Scale: 1 inch to 100 feet

CANADA
DEPARTMENT OF
MINES AND TECHNICAL SURVEYS
GEOLOGICAL SURVEY OF CANADA

SHEET 21 ^G/₁₅

PRELIMINARY SERIES

- LEGEND**
- PLEISTOCENE AND RECENT**
- LATE POST-GLACIAL**
- 11 Swamp and shallow lake deposits:
11a, peat, muck; 11b, clay, silt
 - 10A, 10B Alluvial deposits:
10A, Flood plain: fine sand, silt, mixed silt, clay, wood
10B, Alluvial fan, delta, bar, gravel and sand
- EARLY POST-GLACIAL**
- 9 Undifferentiated deposits: sand
 - 8 Aeolian deposits: sand (dune crest outlined)
 - 7A, 7B Colluvial deposits:
7A, Mixed stones, sand, clay, wood
7B, Mixed sand or silt and large rock slabs
- GLACIO-FLUVIAL, PHASE 2**
- 6 Valley train: sand and gravel with thin overlay of flood plain alluvial deposits
- GLACIO-LACUSTRINE (possibly in part ESTUARINE)**
- 5 Bottom deposits: varved clay, interbedded clay silt sand, banded grey clay, buff silt
- GLACIO-FLUVIAL, PHASE 1**
- 4 Outwash and kame deposits: gravel and sand
 - 3 Esker: gravel and sand
- GLACIAL**
- 2 Ground moraine complex: till, rubble, minor bedrock, colluvium, decomposed rock
 - 1 Drumlin: sandy till
- BEDROCK OUTCROPS**
- A Decomposed rock and rubble
 - B Areas of bedrock
- Geological boundary (defined, approximate, assumed)
 Glacial striae (direction of movement known)
 Glacial striae (direction of movement unknown)
 Position of sections on map
 Boundary of bedrock systems
 (d) Pennsylvanian: grey quartz-pebble conglomerate, grey sandstone, grey sandstone conglomerate, red shale, red siltstone
 (c) Mississippian (?) red sandstone, red conglomerate, basalt, rhyolite breccia, quartzite
 (b) Devonian: granite
 (a) pre-Carboniferous: slate, greyish green greywacke, argillite, minor limestone
- FAVOURABLE AREAS FOR LOCATING SUPPLIES OF GRAVEL AND SAND**
- Gravel and sand
 - Buried gravel, and sand (capped by approximately 5 feet of fine sand)
 - Graded sand (approximate size distribution: 1/2 - 1/4 mm. diameter=20%, 1/4 - 1/8 mm. diameter=67%, 1/8 - 1/16 mm. diameter=13%)
- Gravel pit G.P. x
 Quarry x
 Ridge



MAP 2-1956
SURFICIAL GEOLOGY
FREDERICTON
YORK AND SUNBURY COUNTIES
NEW BRUNSWICK

Scale: One Inch to One Mile = $\frac{1}{63,360}$
Miles
1/2 0 1 2 3

To accompany Paper 56-2

- LEGEND**
- Main highway
 - Other roads
 - Trail
 - County boundary
 - Township boundary
 - Marsh
 - Stream (approximate)
 - Contours (interval 100 feet)
 - Height in feet above mean sea-level

MAP LIBRARY / CARTOTHEQUE

MAP 2-1956
SURFICIAL GEOLOGY
FREDERICTON
NEW BRUNSWICK
SHEET 21 ^G/₁₅

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