

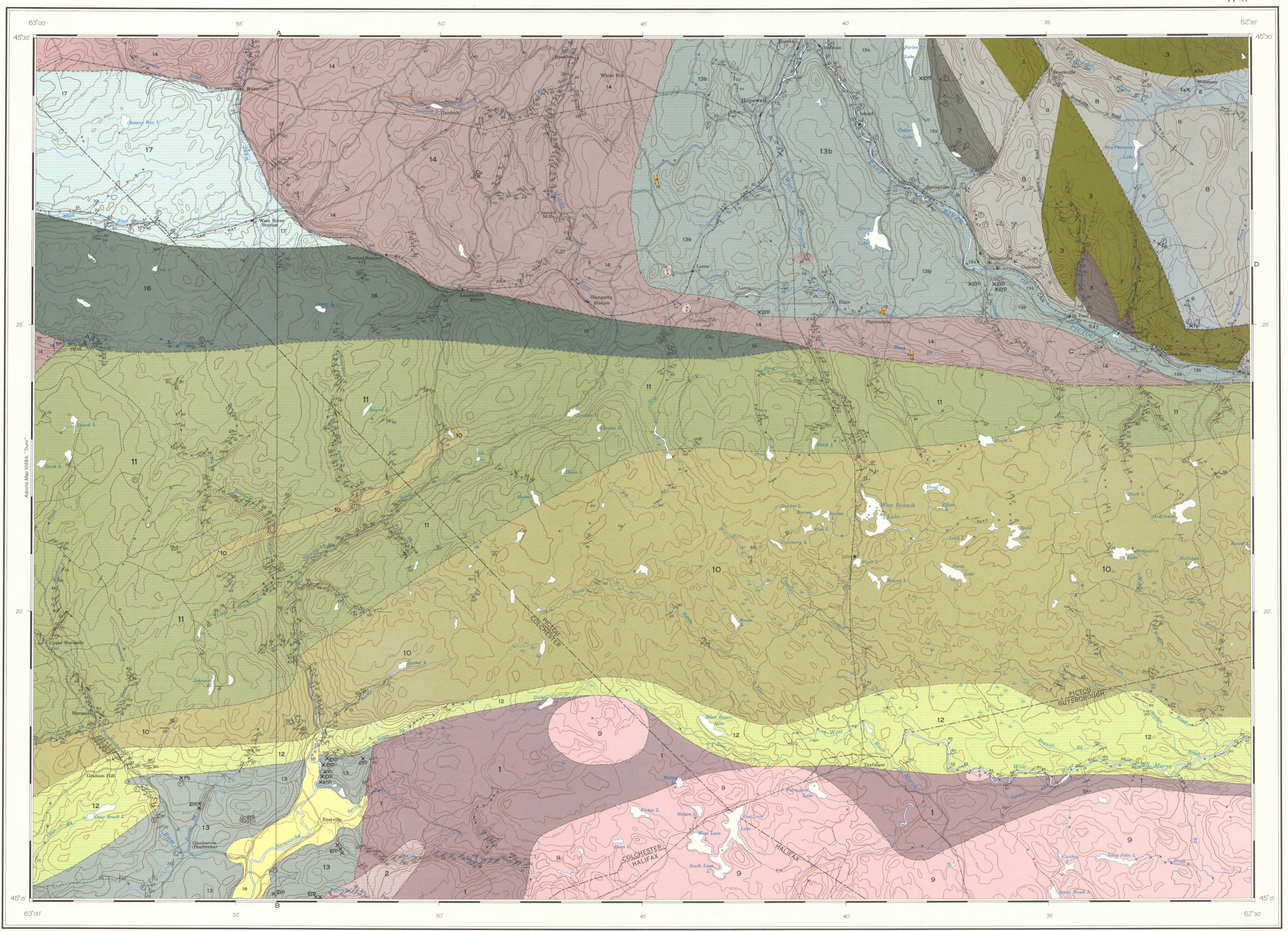
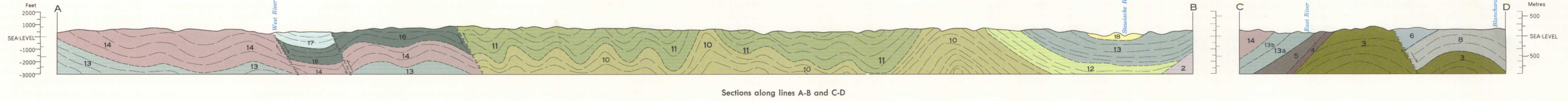
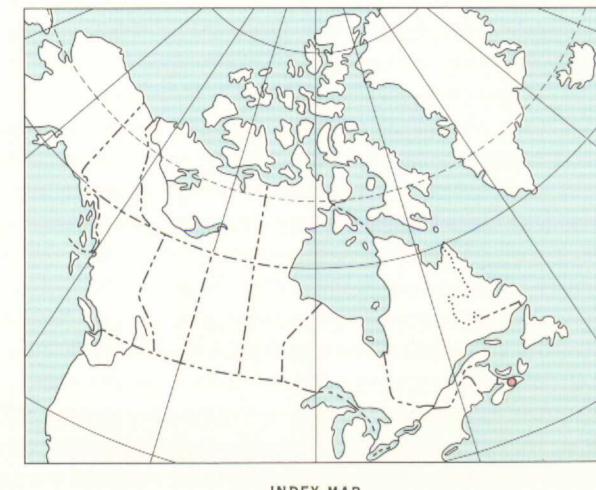
LEGEND

- CENOZOIC**
- 18 Glacio-fluvial sand and gravel
- CARBONIFEROUS**
- UPPER CARBONIFEROUS CUMBERLAND AND/OR PICTOU GROUPS**
- 17 Brown and grey sandstone and mudstone, red conglomerate, black carbonaceous shale
- RIVERSDALE GROUP (15,16)**
- 16 Medium grey to black siltstone and shale and minor grey quartz wacke
 - 15 Dark green diabase
- CANSO GROUP**
- 14 Red, green and grey mudstone, shale, siltstone and argillite; minor narrow calcareous layers
- LOWER CARBONIFEROUS WINDSOR GROUP**
- 13a Undivided
13a. Upper unit, red and grey shale and calcareous shale, grey limestone
13a. Lower unit, grey to black limestone, argillaceous limestone, gypsum, anhydrite and red conglomerate
- HORTON GROUP (10-12)**
- 12 Unit 'c': red and greenish grey mudstone and siltstone, minor grey pebble conglomerate
 - 11 Unit 'b': medium to dark grey shale, siltstone and fine-grained quartz wacke
 - 10 Unit 'a': light grey, medium-to coarse-grained quartz feldspar arenite and dark grey siltstone
- DEVONIAN**
- 9 Grey biotite and muscovite granite, pink and green granite
- SILURIAN**
- ARISAIG GROUP (4-8)**
- 7 **STONEHOUSE FORMATION:** bluish grey, reddish brown and grey siltstone, wacke and calcareous siltstone
 - 6 **McADAM FORMATION:** grey silty shale and shale, bluish grey siltstone and bed of hematitic quartz arenite
 - 5 **ROSS BROOK FORMATION:** grey quartz wacke, purplish grey siltstone, silty shale and laminated shale, light grey fine-grained quartzite and basal grey quartz granule conglomerate
 - 4 **BEECHHILL COVE FORMATION:** greenish grey quartz wacke, basal grey conglomerate, minor mudstone and quartzite
 - 8 Undivided
- ORDOVICIAN**
- BROWNS MOUNTAIN GROUP**
- 3 Interbedded green to black argillite, green to purple andesite, tuff and agglomerate, dark greenish grey greywacke
- MEGUMA GROUP (1,2)**
- 2 **HALIFAX FORMATION:** black and dark grey slate
 - 1 **GOLDENVILLE FORMATION:** greenish grey quartzite and minor slate, grey quartz wacke, greywacke, phyllite, andalusite schist and dark grey biotite schist

- Rock outcrop**
- Geological boundary (defined, approximate, assumed)
 - Bedding, tops known (horizontal, inclined, vertical, overturned)
 - Bedding, tops unknown (inclined, vertical)
 - Schistosity (inclined, vertical)
 - Drag-fold (arrow indicates plunge)
 - Fault (solid circle indicates downthrow side; defined, approximate, assumed)
 - Anticline (defined, arrow indicates plunge)
 - Syncline (defined, arrow indicates plunge)
 - Gravel deposit
 - Fossil locality
 - Quarry
 - Mineral occurrence
 - Shaft (abandoned)
 - Diamond drill-hole
 - Sink hole

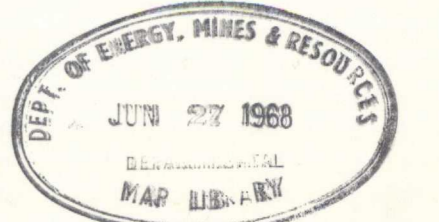
- MINERALS**
- Anhydriteanh
 - CopperCu
 - Gypsumgyp
 - IronFe
 - LeadPb
 - Limestonels
- Geology by D. G. Benson, 1960-61
To accompany GSC Memoir 343 by D. G. Benson
Geological cartography by the Geological Survey of Canada, 1967

- Road, all weather
 - Other roads
 - Trail
 - Railway
 - Station and stop
 - Post office
 - Power transmission line
 - Horizontal control point
 - County boundary
 - Intermittent stream
 - Reef, rock or small island
 - Marsh
 - Contours (interval 50 feet)
- Base-map cartography by the Geological Survey of Canada, 1966 from maps published by the Surveys and Mapping Branch in 1954
Approximate magnetic declination, 24° 01' West, decreasing 1.3' annually



MAP 1215A
GEOLOGY
HOPEWELL
NOVA SCOTIA
Scale 1:63,360
1 inch to 1 mile
Miles 1 0 1 2 3
Kilometres 1 0 1 2 3 4 5

Copies of this map may be obtained from the Director, Geological Survey of Canada, Ottawa
Printed by the Surveys and Mapping Branch



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1215A