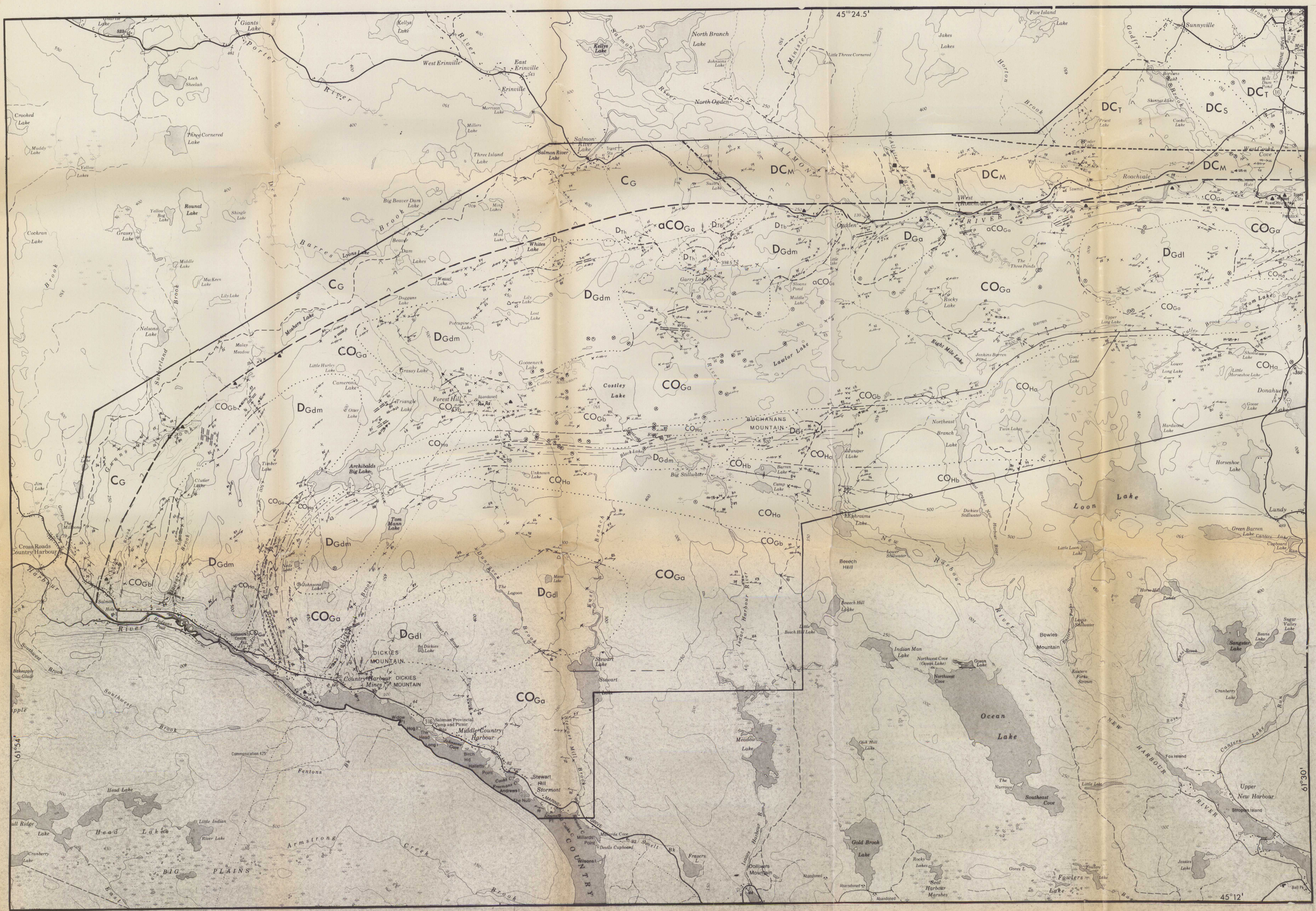
Parts of 11F/4 & 5

GEOLOGICAL SURVEY OF CANADA COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES



LEGEND

EARLY CARBONIFEROUS

C_G HORTON GROUP
Gunns Brook Formation: green-grey to red-brown lithic, feldspathic and minor quartz wacke; conglomerate; minor carbonaceous shale

LATE DEVONIAN AND/OR EARLY CARBONIFEROUS

DC_T Tower Formation: maroon to red hematitic quartz arenite; minor siltstone, sedimentary and volcanic-pebble conglomerate

DC_S Sunnyville Formation: hydrothermally altered, amygdaloidal, plagioclase-phyric basalt

Note: DC_T and DC_S may be time-equivalent and correlative with the McAras Brook Formation in the Antigonish Highlands

DC_M Minister Brook Formation: light to very dark grey, locally graphitic metamudstone and laminated phyllite; minor metabasalt(?); includes possible outliers of arenite, mudstone and conglomerate

PRE-CARBONIFEROUS

■ Inliers of mylonite containing porphyroclasts of plagioclase-biotite-garnet granofels

LATE DEVONIAN

D_G Granitic Plutons: vary from undeformed to mylonitic
- **D_{Gf}** medium grained equigranular muscovite leucogranite
- **D_{Gd}** medium grained, equigranular to slightly porphyritic biotite-muscovite leucogranite (D_{Gdl}) and mesogranite (D_{Gdm})
- **D_{Ga}** fine grained biotite-muscovite leucogranite

Note: intrusive sequence unknown in the Forest Hill map area

D_T Tonalite Plutons: variably deformed, medium grained, locally plagioclase-phyric biotite tonalite (D_{Tb}) and hornblende-biotite tonalite (D_{Th})

CAMBRO-ORDOVICIAN

MEGUMA GROUP (CO_G, CO_H)

CO_H Halifax Formation
- **CO_{Hb}** light brown to medium grey, laminated, fine grained schist, locally porphyroblastic; minor metawacke and coticules
- **CO_{Ha}** thinly interbedded graphite schist; minor quartz-muscovite schist and laminated metawacke; pelitic rocks commonly porphyroblastic

CO_G Goldenville Formation: locally agmatitic (aCO_G) where intruded by abundant granite
- **CO_{Gb}** thinly bedded metawacke with 5-20% metapelite; minor calc-silicate layers
- **CO_{Ga}** thickly bedded metawacke; with <5% metapelite and calc-silicate layers

Note: CO_{Ga} and CO_{Gb} may be coeval in some places

SYMBOLS

Outcrop (observed, taken from earlier work, heaved) ....

Geological boundary (defined, approximate, assumed) ....

Fault (defined, approximate, assumed) ....

Bedding (horizontal, tops unknown vertical, tops known inclined) ....

Magmatic layering (vertical, inclined) ....

Schistosity, cleavage (S_1 vertical, S_{2a} inclined, S_{2b}, S_{2c}, late crenulation cleavage, bedding parallel cleavage) ......

S_{2b} S-C fabric, C-plane and trace of S-plane shown ....

Mineral and intersection lineation, slickensides on S-C planes (L_1 with plunge, L_{2a}, L_{2b}, L_{2c}) ....

Macrofold axial trace (F_1 syncline with plunge, F_{2b} anticline plunge unknown, F_{2c} fold type unknown) ....

Mesofold (S-sense F_1 with plunge, M-sense F_{2a}, Z-sense F_{2b}, F_{2c} with unknown fold style) ....

Fault breccia, cataclasite ....

Dike or sill, single or repeated (a = aplite, p = pegmatite)

Metasedimentary xenolith(s) ....

Shear zone ....

U-Pb zircon date .... 378±2 Ma

Mineral occurrence (Au - gold, As - arsenopyrite, Cu - chalcopyrite) ....

Outlier ....

Canada

Contribution to Canada-Nova Scotia Mineral Development Agreement 1984-89, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by Geological Survey of Canada

Nova Scotia Department of Mines and Energy

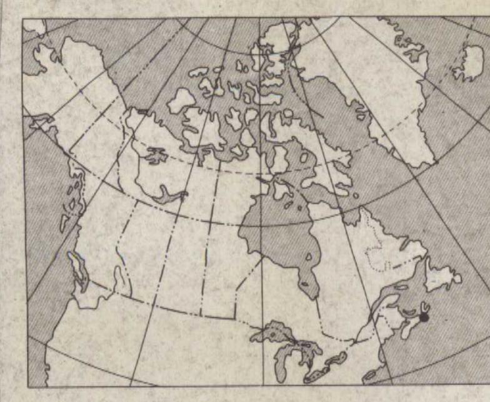
Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada

MAP 1567
GEOLOGY
FOREST HILL
NOVA SCOTIA

Échelle 1/50 000 - Scale 1:50 000

Kilomètres 1 0 1 2 3 4 Kilometres

Projection transverse universelle de Mercator / Universal Transverse Mercator Projection


INDEX MAP

Geology by J.D. Hill, 1986

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1567
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Commission Géologique Du Canada

Magnetic declination 1983, 23°12' W decreasing 6.1' annually