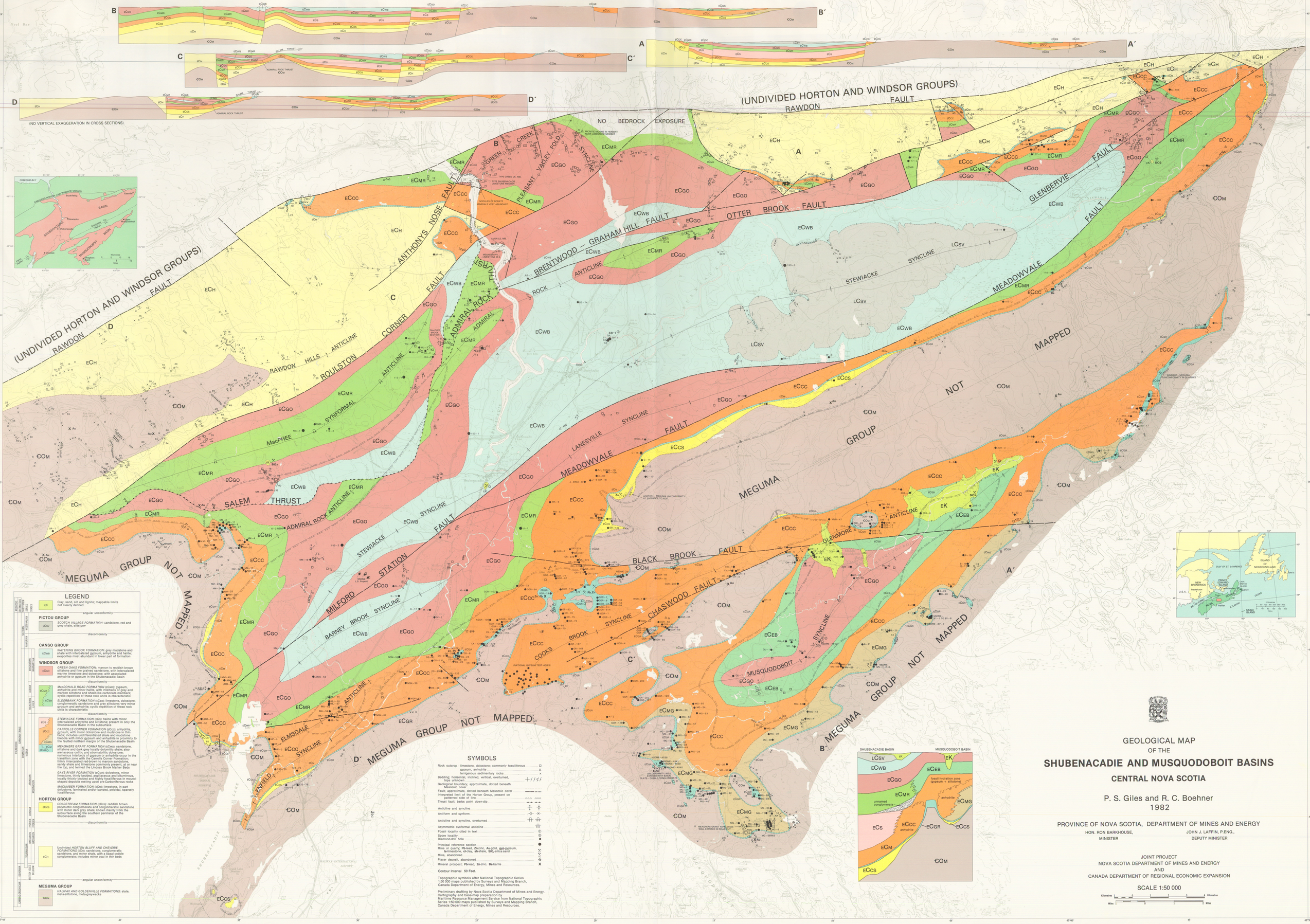
1: 50 000 Central Nova Scotia



LEGEND

- eK — Clay, sand, silt and lignite; mappable limits not clearly defined
- *angular unconformity*
- **PICTOU GROUP**
- LCsv — *SCOTCH VILLAGE FORMATION*: sandstone, red and grey shale, siltstone
- *disconformity*
- **CANSO GROUP**
- ECWB — *WATERING BROOK FORMATION*: grey mudstone and shale with intercalated gypsum, anhydrite and halite; evaporites most abundant in lower part of formation
- **WINDSOR GROUP**
- ECGO — *GREEN OAKS FORMATION*: maroon to reddish brown siltstone and fine grained sandstone, with intercalated marine limestone and dolostone; with associated anhydrite or gypsum in the Shubenacadie Basin
- *disconformity*
- ECMR — *MacDONALD ROAD FORMATION* (ECmr): gypsum, anhydrite and minor halite, with interbeds of grey and maroon siltstone and sheet-like carbonate members; cyclic repetition of these rock units is characteristic
- ECEB — *ELDERBANK FORMATION* (ECeb): limestone, dolostone, conglomeratic sandstone and grey siltstone; very minor gypsum and anhydrite; cyclic repetition of these rock units is characteristic
- *disconformity*
- ECS — *STEWIACKE FORMATION* (ECs): halite with minor intercalated anhydrite and siltstone; present in only the Shubenacadie Basin in the subsurface
- ECCC — *CARROLLS CORNER FORMATION* (ECcc): anhydrite, gypsum, with minor dolostone and mudstone in thin beds; includes undifferentiated shale and mudstone facies in the subsurface; occurs in the subsurface only to the faulted northern margin of the Shubenacadie Basin
- ECMG — *MEAGHERS GRANT FORMATION* (ECmg): sandstone, siltstone and dark grey locally dolomitic shale; also includes minor limestone and dolostone; contains numerous interbeds of gypsum or anhydrite occur in the transition zone with the Carrolls Corner Formation; thinly intercalated red-brown to maroon sandstone, sandy shale and limestone commonly present, at or near the top, and termed the Lindsay Brook Marker Beds
- ECGR — *GAYS RIVER FORMATION* (ECgr): dolostone, minor limestone, thinly bedded, argillaceous and bituminous, locally thickly bedded and highly fossiliferous in mound-shaped deposits resting upon pre-Carboniferous rocks
- *MACUMBER FORMATION* (ECm): limestone, in part dolostone, laminated and/or banded, petroidal; sparsely fossiliferous
- **HORTON GROUP**
- ECCS — *COLDSTREAM FORMATION* (ECcs): reddish brown polymictic conglomerate and conglomeratic sandstone with minor red shale; known mainly from the subsurface along the southern perimeter of the Shubenacadie Basin
- *disconformity*
- ECH — Undivided *HORTON BLUFF AND CHEVERIE FORMATIONS* (ECh): sandstone, conglomeratic sandstone, and minor shale, with a basal cobble conglomerate; includes minor coal in thin beds
- *angular unconformity*
- **MEGUMA GROUP**
- COM — *HALIFAX AND GOLDENVILLE FORMATIONS*: slate, meta-siltstone, meta-greywacke

SYMBOLS

- Rock outcrop: limestone, dolostone; commonly fossiliferous; gypsum, anhydrite; terrigenous sedimentary rocks
- Bedding; horizontal, inclined, vertical, overturned, tops unknown
- Geological boundary; approximate, dotted beneath Mesozoic cover
- Fault; approximate, dotted beneath Mesozoic cover
- Interpreted limit of the Horton Group, present on patterned side of line
- Thrust fault, barbs point down-dip
- Anticline and syncline
- Antiform and synform
- Anticline and syncline, overturned
- Asymmetric synformal anticline
- Fossil locality cited in text
- Spore locality
- Diamond-drill hole
- Principal reference section
- Mine or quarry; Pb-lead, Zn-zinc, Au-gold, gyp-gypsum, le-limestone, cl-clay, sh-shale, SiO_2-silica sand
- Mine, abandoned
- Placer deposit, abandoned
- Mineral prospect; Pb-lead, Zn-zinc, Ba-barite

Contour Interval 50 Feet.

Topographic symbols after National Topographic Series 1:50 000 maps published by Surveys and Mapping Branch, Canada Department of Energy, Mines and Resources.

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GEOLOGICAL MAP OF THE SHUBENACADIE AND MUSQUODOBOIT BASINS CENTRAL NOVA SCOTIA

P. S. Giles and R. C. Boehner
1982

PROVINCE OF NOVA SCOTIA, DEPARTMENT OF MINES AND ENERGY

HON. RON BARKHOUSE, MINISTER

JOHN J. LAFFIN, P.ENG., DEPUTY MINISTER

JOINT PROJECT
NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY
AND
CANADA DEPARTMENT OF REGIONAL ECONOMIC EXPANSION

SCALE 1:50 000

Kilometres 0 1 2 3 4 Kilometres

Miles 0 1 2 3 Miles

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