

### LEGEND

**STELLARTON GROUP**  
 LCs undivided; grey, red and mottled shale and sandstone with associated minor conglomerate and coal seams; mapped only north of the Hollow Fault

**CANSO GROUP**  
 eCc reddish-brown sandstone and shale (eCc) with intercalated grey banded shale and mudstone (eCc-sm); probable equivalent of the Hastings Formation in the Antigonish area

**WINDSOR GROUP**  
 eCcv **CHURCHVILLE FORMATION** sandstone, shale and mudstone in numerous small-scale fining-upward cycles, typically reddish-brown to maroon in colour; intercalated sheets of limestone and associated grey fossiliferous mudstone and shale characteristic and assigned member status: (MQ) MacLean Quarry Member, (MB) McLellan Brook Member, (WB) West Branch Member, (EB) East Branch Member  
 eCfl **FORBES LAKE FORMATION** shale, mudstone and paraconglomerate with minor limestone; maroon to pale greyish-red colour is typical; (FL-C) conglomerate and sandstone, restricted to the McLellan Brook area (stippled pattern) and considered a proximal facies of the formation, and (FL-S) Sunnybrae Member (oolitic and algal limestone)

disconformity, possible regional unconformity

eCb **BRIDGEVILLE FORMATION** gypsum and anhydrite, smoky grey-brown in colour, finely crystalline, in part thinly interbedded with limestone and dolostone  
 eChb **HOLMES BROOK FORMATION** limestone, less commonly dolostone, in part laminated, peloidal and oolitic, thinly stratified; varies to thickly-bedded or massive algal-bound limestone, sparsely fossiliferous, becoming argillaceous and more thinly bedded towards the top; the formation lies with angular unconformity upon pre-Carboniferous rocks

**HORTON GROUP**  
 eCh undivided; medium to dark grey shale, siltstone and fine-grained sandstone; noted in the map area only south of the Chedabucto Fault

Du undivided; mainly pale reddish-brown conglomerate with associated felsic tuff in the Stewart Brook - McLellan Brook area, and mafic volcanic flows in the McGregor Mountain area; possibly equivalent in part to the McAras Brook and/or Fisset Brook Formations

H-S undivided; mainly grey sparsely fossiliferous and bioturbated siltstones of Silurian age; includes mafic volcanic rocks of possible Hadrynian age in the upper reaches of Stewart Brook and coarsely pyroclastic volcanic rocks of unknown age in the bed of McLellan Brook near Kirkmont; unit includes volcanic and sedimentary rocks of possible Ordovician age in the Black Rock - Sunnybrae area

### SYMBOLS

Rock outcrop limestone, dolostone; commonly fossiliferous . . . . . □  
 gypsum, anhydrite . . . . . △  
 terrigenous sedimentary rocks . . . . . X  
 volcanic rocks . . . . . V

Bedding; horizontal, inclined, vertical, overturned, tops unknown . . . . . + / / / /

Geological boundary, approximate . . . . . - - - - -  
 Fault, approximate . . . . . - - - - -  
 Anticline and syncline . . . . . < - - - - >

Fossil locality cited in text . . . . . ⊕  
 Spore locality, GSC Number . . . . . ⊙ D1715  
 Diamond-drill hole . . . . . ●  
 Principal reference section . . . . . ●  
 Water-well used to locate geological boundary . . . . . ⊕  
 Sink-hole in gypsum . . . . . ⊕  
 Mine or quarry; abandoned ls-limestone . . . . . ⊕  
 Mineral prospect: Pb-lead, Zn-zinc, Ba-barite, gyp-gypsum, Cu-Copper . . . . . ⊕  
 Contour Intervals 50 Feet.  
 Geology by P.S. Giles, 1977, 1978

To accompany Nova Scotia Department of Mines and Energy Paper 82-3 by Peter S. Giles

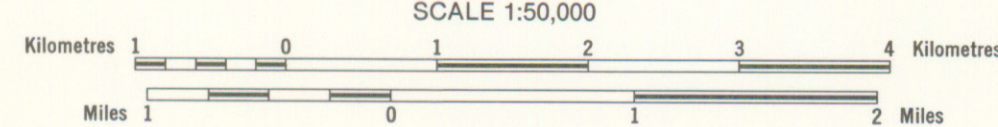
JOINT PROJECT  
 NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY  
 AND  
 CANADA DEPARTMENT OF REGIONAL ECONOMIC EXPANSION

PROVINCE OF NOVA SCOTIA,  
 DEPARTMENT OF MINES AND ENERGY

HON. RON BARKHOUSE, MINISTER  
 JOHN J. LAFFIN, P. ENG., DEPUTY MINISTER

GEOLOGICAL MAP  
 OF THE  
**EUREKA AREA**  
 CENTRAL NOVA SCOTIA

P. S. Giles  
 1982  
 SCALE 1:50,000



Map 82-3

