

**LEGEND**

**CARBONIFEROUS**

**WINDSOR GROUP (undivided)**  
 CW grey limestone, calcareous shale, anhydrite, gypsum, red conglomerate, sandstone and shale

**HORTON GROUP**

CG GRANTMIRE FORMATION: red conglomerate, sandstone, and shale with minor limestone

**DEVONIAN**

Dqpt red to red-brown, fine- to coarse-grained quartz syenite

MCADAM LAKE FORMATION  
 Upper Member  
 DMLUM grey to locally maroon conglomerate, sandstone, and minor carbonaceous shale; Red Bed Lens (DUMr): red shale, siltstone, sandstone, and conglomerate

Lower Member  
 DMLLM green-grey sandstone and siltstone; dark grey to black shale/oil shale and rare impure coal; minor grey conglomerate. Fossil plant fragments common.

**BOISDALE HILLS BELT [part of the Bras d'Or terrane of Barr and Raeside (1989)]**

**LATE NEOPROTEROZOIC**

BOISDALE HILLS PLUTON (ca. 560 Ma) (Barr and Setter, 1986)

ZBHlg pink, medium- to coarse-grained leucogranite

ZBHBgd red, medium grained biotite granodiorite

ZBHBbgd grey to pink, medium grained biotite hornblende granodiorite

ZBHdi grey, fine- to coarse-grained diorite, quartz diorite, and tonalite

BRAS D'OR METAMORPHIC SUITE (Raeside and Barr, 1990)

ZBMS white to grey diopside ± forsterite marble and minor quartzite; grey sillimanite ± andalusite ± cordierite paragneiss

**COXHEATH HILLS BELT [part of the Mira terrane of Barr and Raeside (1989)]**

**ORDOVICIAN(?)**

OMB MCADAMS BROOK FORMATION: grey quartz-rich siltstone and sandstone

**CAMBRIAN**

CM MACNEIL FORMATION: dark grey to black shale, siltstone, and limestone

CMB MACLEAN BROOK FORMATION: grey quartz sandstone, siltstone, and shale

**LATE NEOPROTEROZOIC**

ZCfig COXHEATH HILLS PLUTON (ca. 620 Ma) (Barr et al., 1996) undivided, grey to pink, medium grained granodiorite and dioritic rocks

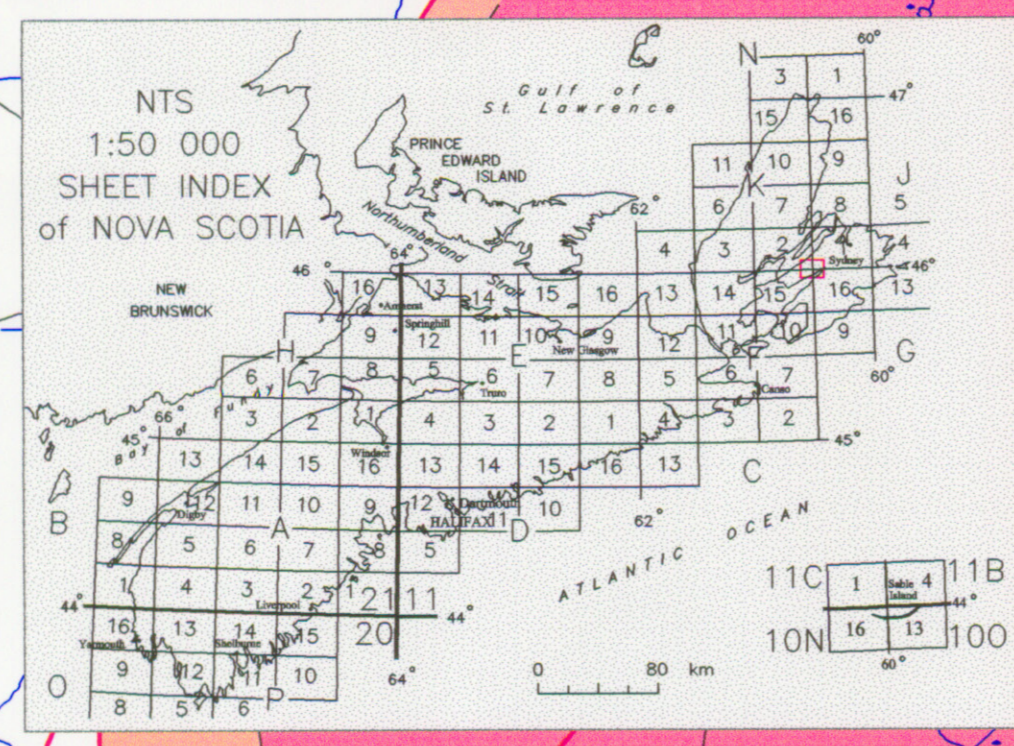
ZSBg SPRUCE BROOK PLUTON (ca. 620 Ma) (Barr et al., 1996) undivided, grey to pink, medium- to coarse-grained monzogranite, granodiorite and dioritic rocks

ZCGr COXHEATH GROUP (ca. 620 Ma) (Barr et al., 1996) pink to buff rhyolitic tuff, lapilli tuff and flows; minor basaltic to dacitic layers/lenses and tuffaceous sedimentary rocks

ZCgb green to grey basaltic flows, tuff, and lapilli tuff; minor rhyolite, dacite, and andesitic lenses

**SYMBOLS**

- Outcrop, area of outcrop, float..... x
  - Bedding (inclined, vertical, tops unknown, overturned)..... /
  - Foliation (inclined, vertical)..... Z
  - Fold hinge..... ↗
  - Geological contact, unconformity..... - - - - -
  - Fault (vertical to steep), thrust..... —▲▲▲
  - Diamond-drill hole (vertical, inclined)..... ●
  - Fossil locality..... ⊕
  - Spore locality..... ⊙
  - Mineral occurrence..... ×
  - Abandoned mine..... ⊗
- Cu- copper, Fe- iron, Pb- lead, Zn- zinc, Ag- silver  
 W- tungsten, os- oil shale, cs- coaly shale  
 occurrence number = K01-016



**REFERENCES**

Barr, S.M. and Raeside, R.P. 1989: Tectonostratigraphic terranes in Cape Breton Island, Nova Scotia: implications for the configuration of the northern Appalachian Orogen; *Geology*, v.17, p. 822-825

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**MAP NOTES**

Base map derived from N.S. digital topographic database, 1:10,000  
 Map projection: Zone 20, UTM NAD 83  
 Approximate angle between magnetic north and grid north 25 degrees

Nova Scotia Department of Natural Resources  
 Minerals and Energy Branch  
**Open File Map ME 1998-14**  
 Geological map of the McAdams Lake area  
 Cape Breton County  
 (Parts of NTS SHEETS 11F/15, 11F/16, 11K/01 and 11K/02)

**NOVA SCOTIA**  
 C.E. White and S.M. Barr  
 Scale 1 : 20 000

Nova Scotia Department of Natural Resources  
 Halifax, Nova Scotia  
 1998