GEOLOGICAL MAP OF NOVA SCOTIA

LEGEND

NORTHERN MAINLAND

TIME SCALE

PHANEROZOIC

FUNDY GROUP

MCCOY BROOK FORMATION (Lm) – red marls, siltstone, basalt

NORTH MOUNTAIN FORMATION (TLnm) – basalt

Undivided LATE TRIASSIC (TL)

BLOMIDON FORMATION (Lb) – red siltstone, quartz wacke

WOLFVILLE FORMATION (Lw) – red quartz wacke, siltstone, conglomerate

PICTOU & STELLARTON GROUPS

Red and grey sandstone, siltstone, shale, conglomerate; coal. Informal rock units - dashed lines

CUMBERLAND GROUP

Undivided CUMBERLAND GROUP (cCu)

cCu1 Upper fine facies: red conglomerate, sandstone, siltstone

cCu2 Upper coarse facies: red conglomerate, sandstone

cCu3 Lower, fine, coal-bearing facies: grey sandstone, shale, coal

cCu4 Lower coarse facies: red conglomerate, shale, sandstone

NEW GLASGOW FORMATION (cNg) – conglomerate, wacke

RIVERSDALE GROUP

PARRSBORO (cPa) & BOSS POINT (cBp) & PORT BUTLER (cPb) FORMATIONS – undivided red siltstone, sandstone, conglomerate

STELLARTON (cSt) & BOLSTER (cBo) FORMATIONS – undivided grey sandstone, wacke, siltstone, shale, coal, black shale, conglomerate, siltstone, shale

* CANSO GROUP

Undivided CANSO GROUP (Cc): LOCHADABRAE (Ccl) & WEST BAY (Cwb) & MABOU (Cm) FORMATIONS – red siltstone, sandstone, conglomerate, wacke, siltstone, conglomerate, shale

WINDSOR GROUP

Undivided WINDSOR GROUP (cWu)

C. N. subzone (cCNz) & CHEDABUCTO FORMATION – sandstone, shale, mudstone, limestone

H. subzone (cHz) & FOREST LAKE FORMATION – shale, mudstone, gypsum, sandstone, conglomerate

A. subzone (cAz) & WINDSOR & BOG MILL BROOK FORMATIONS – gypsum, anhydrite, limestone, dolomite, halite

HORTON GROUP

Undivided HORTON GROUP (cCu)

wacke, siltstone, arkose, mudstone, shale

WOLFE BROOK FORMATION (cCuw) – sandstone, siltstone, conglomerate, shale, limestone

Undifferentiated DEVONO-CARBONIFEROUS (DC): conglomerate, sandstone, wacke, siltstone, argillite, limestone, gypsum, conglomerate in N

DC1 & DC2 – HORTON BLUFF FORMATION (DCu) – black, siltstone, wacke, limestone

DC3 – HAYES BROOK FORMATION (DCu)

DC4 – FOUNTAIN LAKE FORMATION (DCu)

DC5 – WINDSOR BROOK FORMATION (DCu)

DC6 – NUTTBY FORMATION (DCu)

DC7 – FALLS FORMATION (DCu) – red conglomerate, wacke, siltstone

FOUNTAIN LAKE GROUP (mDu): conglomerate, sandstone, wacke, siltstone, argillite, limestone, gypsum, shale, black, coal, red beds, volcanic rocks, rhyolite, basalt, andesite, tuff, breccia

mDu1 – WINDSOR BROOK FORMATION (mDu) – black, siltstone, wacke

mDu2 – NUTTBY BROOK FORMATION (mDu) – conglomerate, sandstone, siltstone, shale, black, limestone

mDu3 – FALLS FORMATION (mDu) – red conglomerate, wacke, siltstone

MURPHY BROOK FORMATION (mDmu) – siltstone, conglomerate, wacke

PORTAPIQUE RIVER (dPr) & ENNISDART (dEn) FORMATIONS – siltstone, sandstone, mudstone, wacke, conglomerate

Undifferentiated MID-DEVONIAN (mDc): SD – including siltstone, wacke, conglomerate, arkosic

WILSON BROOK (Sw) & BARLTROW (Sb) FORMATIONS – siltstone, shale, wacke, rhyolite; F.c. basalt

ERDEMAN & GLENCOE BROOK FORMATIONS – shale, black, mudstone, sandstone

ARISAIG GROUP (Sa): ARISAIG BROOK & MOUNT ROBERT FORMATIONS – siltstone, shale, black, limestone

BEECHHILL COVE FORMATIONS – siltstone, shale, limestone, mudstone, conglomerate

BEAR BROOK (Sbr) & McGILLIVRAY BROOK & GUNN POINT (Sbma) FORMATIONS – basalt, rhyolite, ignimbrite, felsic tuff, red laterite, siltstone, shale, black, limestone

GUNNING COVE (Sbc) – shale, black, felsic tuff

Plutonic rocks of all ages are shown in alphabetical order and age letter.

KEPPOCH FORMATION (Ck) – rhyolite, felsic tuff

IRON BROOK & McDONALDS BROOK GROUPS

IRON BROOK GROUP (cmO): FERRONA, LITTLE HOLLOW & BUCKFINN FORMATIONS – iron formation, quartzite, felsic & mafic tuff, slate, siltstone, conglomerate, wacke, limestone, dolomite

McDONALDS BROOK GROUP (cmO): GREAVILLE BROOK & WALDEGRAVE COVE FORMATIONS – siltstone, felsic & mafic tuff, red slate, siltstone, sandstone, conglomerate

Undifferentiated HADRYNIAN-CAMBRIAN (H-C): siltstone, slate, volcanic rocks, wacke, argillite, rhyolite, phyllite, sandstone

JEFFERIES (H-J) & WARWICK MOUNTAIN (Hw) FORMATIONS – argillite, felsic tuff, mafic meta-volcanic rocks, rhyolite, basalt, andesite, siltstone, wacke

GEORGEVILLE GROUP (Hgv): JACKSONTOWN COVE, MOSAIC BROOK & MOUNT MAGAZINE FORMATIONS – basalts, felsic & mafic tuffs, wacke, siltstone, shale, conglomerate

BASS RIVER COMPLEX – BASS RIVER & ROCKY HILL FORMATIONS (Hbr): SHARP MOUNTAIN (Hbr1) – felsic tuff, rhyolite, basalt, andesite; SMITH ARM (Hbr2) – felsic tuff, wacke, slate, meta-basalt, rocks, quartzite

MEGUMA GROUP – undivided, metamorphosed to greenschist and amphibolite facies

Undifferentiated HALIFAX FORMATION (COu) – metamorphosed

GOLDENVILLE FORMATION (COv) – metamorphosed

Undifferentiated GOLDENVILLE FORMATION (COuv) – felsic tuff

GOLDENVILLE FORMATION – pervasively injected by granite (COiv)

(Albert Gneiss and migmatite (mu) be metamorphosed equivalent of Meguma Group)

MOUNT THOM COMPLEX

Pmt – gneiss, amphibolite, schist, granite gneiss

Displacement direction: Right, if known, indicated; Horizontal; Vertical

Geological boundary

Fault

Normal fault, downthrow indicated

Thrust fault

Reverse or thrust fault

OPEN FILE MAP 88-031

TILL GEOCHEMISTRY OF NORTHERN MAINLAND NOVA SCOTIA CLAY FRACTION ANALYSES

Map 12 - 1988

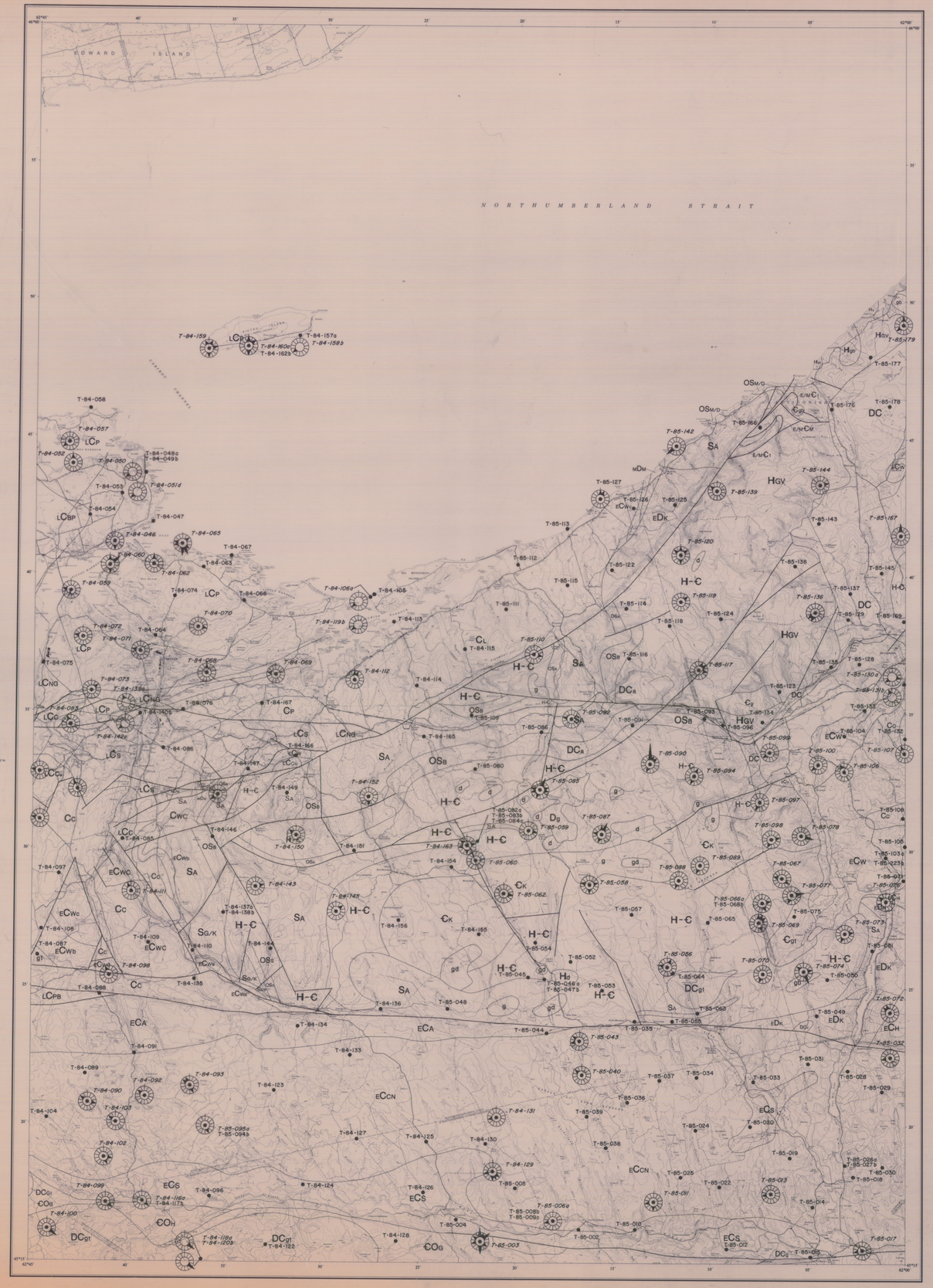
R.G. TURNER and R.R. STEA

NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY

Honourable Ken Streatch, Minister

John J. Laffin, P. Eng., FEIC, Deputy Minister

SCALE 1:100,000


EDWARD ISLAND
NORTHUMBERLAND STRAIT
CUMBERLAND CHANNEL
H-C
Hgv
DC
SA
OSs
LCp
Cc
ECwc
ECN
ECN
ECs
ECa
ECh
ECk
eDk
DCa
DCgt
COh
COg
Cp
Cc
Cwc
Cc
Cc
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