407,000E

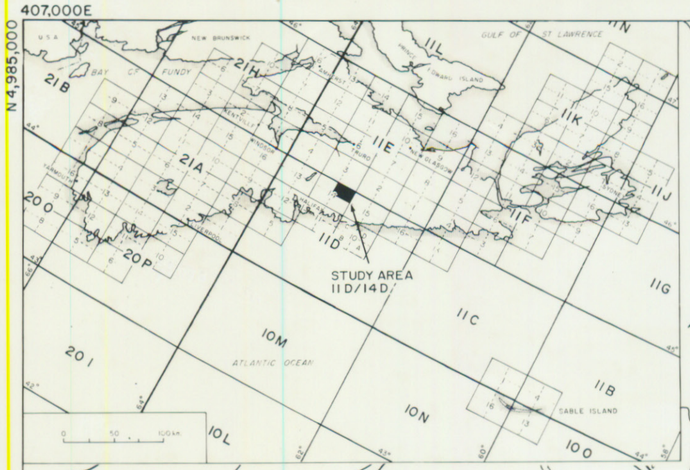
† MIDDLE MUSQUODOBOIT (R.R.224)

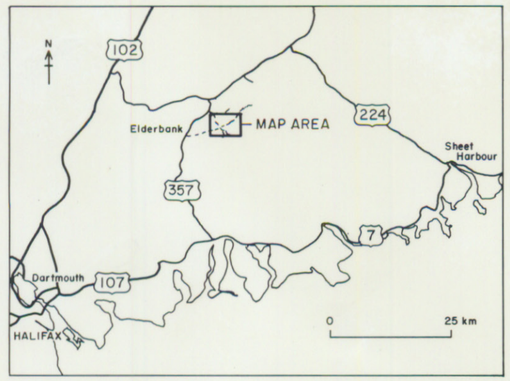
411,000 E

N 4,985,000

† ELDERBANK (R.R.357)

N 4,981,000





ECGO

ECEB

ECCC

€OM

ECGR

ECMG

Little River

C.N.R. (abandoned)

Quarry

Bk.

Higgins L.

MUR-90-18

MUR-90-17

MUR-90-16

MUR-90-15

MUR-90-14

MUR-90-7

MG-70

MUR-90-12

MUR-90-13

MUR-90-4

MUR-90-8

MUR-90-6

MUR-90-11

MUR-90-10

MUR-90-9

MG-43

MUR-90-3

MUR-90-1

MUR-90-5

MUR-90-2

MG-42

30

40

50

70

90

LEGEND

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

ECEB *ELDERBANK FORMATION:* limestone, dolostone, conglomeratic sandstone and grey siltstone; very minor gypsum and anhydrite; cyclic repetition of these rock units is characteristic

disconformity

ECCC *CARROLLS CORNER FORMATION:* anhydrite, gypsum, with minor dolostone and mudstone in thin beds; includes undifferentiated shale and mudstone breccia with minor gypsum and anhydrite in proximity to the faulted northern margin of the Shubenacadie Basin

ECMG *MEAGHERS GRANT FORMATION:* sandstone, siltstone and dark grey, locally dolomitic shale; also arenaceous oolitic and stromatolitic dolostone; numerous interbeds of gypsum or anhydrite occur in the transition zone with the Carrolls Corner Fm.; thinly intercalated red-brown to maroon sandstone, sandy shale and limestone commonly present, at or near top, and termed the Lindsay Brook Marker Beds

ECGR *GAYS RIVER FORMATION:* dolostone, minor limestone, thinly bedded, argillaceous and bituminous, locally thickly bedded and highly fossiliferous in moundshaped deposits resting upon pre-Carboniferous rocks

angular unconformity

MEGUMA GROUP

€OM *HALIFAX AND GOLDENVILLE FORMATIONS:* slate, metasiltstone, metagreywacke

Geology modified after Giles and Boehner, 1982

SYMBOLS

Drillhole location MUR-90-5

Geological contact (approx.) ....

Building .....

Topographic Contour (10 m interval) ... 50

NSDME OFR 90-022

GYPSUM IN THE MURCHYVILLE AREA

(11D/14D), HALIFAX COUNTY

Gordon Adams

Scale 1:10 000

0 400 800

metres

Base Map derived from L.R.I.S. 1:10 000 Othrophoto Maps 11D/14-Y4 and 11D/14-Z3, 1977. Grid shown is based on the Nova Scotia 3° M T M Projection. All elevations are above Canadian Geodetic Datum.

Figure 2. Geology map of the Murchyville area, Halifax County (11D/14D), locating diamond-drill holes MUR-90-1 to MUR-90-18, MG-42, -43 and -70, scale 1:10 000.