



LEGEND

- LITHOFACIES ASSEMBLAGES**
- Granule to cobble conglomerate, red, with subordinate poorly sorted red sandstone and sandy mudrock.
 - Pebble (occasional granule) to cobble conglomerate, green-grey, occasionally chloritic matrix.
 - Grey quartz granule conglomerate with grey, fine- to medium-grained sandstone, and grey mudstone. Rare thin <0.5 m thick coals.
 - Fine- to coarse-grained grey and red sandstone with subordinate red mudstone. Sandstones are generally greater than 4 m thick.
 - Red mudrock with subordinate to equal amounts of red and occasionally grey, very-fine grained sandstone.
 - Grey, fine- to medium-grained sandstone and grey with subordinate red mudstone, rare pelecypod-bearing limestone, rare to occasional coal, rare cannel coal.

GEOLOGICAL SYMBOLS

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- Bedding (horizontal, vertical, overturned, younging direction known, younging direction unknown)
 - Fault surface in outcrop with rake of slip in plane
 - Strike consistent (dip direction variable)
 - dip direction consistent (dip variable (listric))
 - Vertical
 - Fault, mesoscale and regional (defined, approximate)
 - Unconformity (defined, assumed)
 - Anticline (broad arrow indicates plunge; regional)
 - Syncline (broad arrow indicates plunge; regional)
 - Rock outcrop (outcrop, area of outcrop, granite outcrop)
 - Diamond-drill hole (Nova Scotia Department of Mines and Energy (NSDME))
 - Occurrence, coal
 - Palynology samples
 - Early, Middle, Late, WESTPHALIAN; b or c
 - Seismic line (Curragh Resources, 1990)
 - Mine coal (abandoned)

MAP SYMBOLS

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- Roads (highway, secondary)
 - Railway
 - Waterways
 - Power transmission lines
 - County boundary
 - Reserve, park, Department of National Defence (DND) boundary
 - 1000 metre grid tick

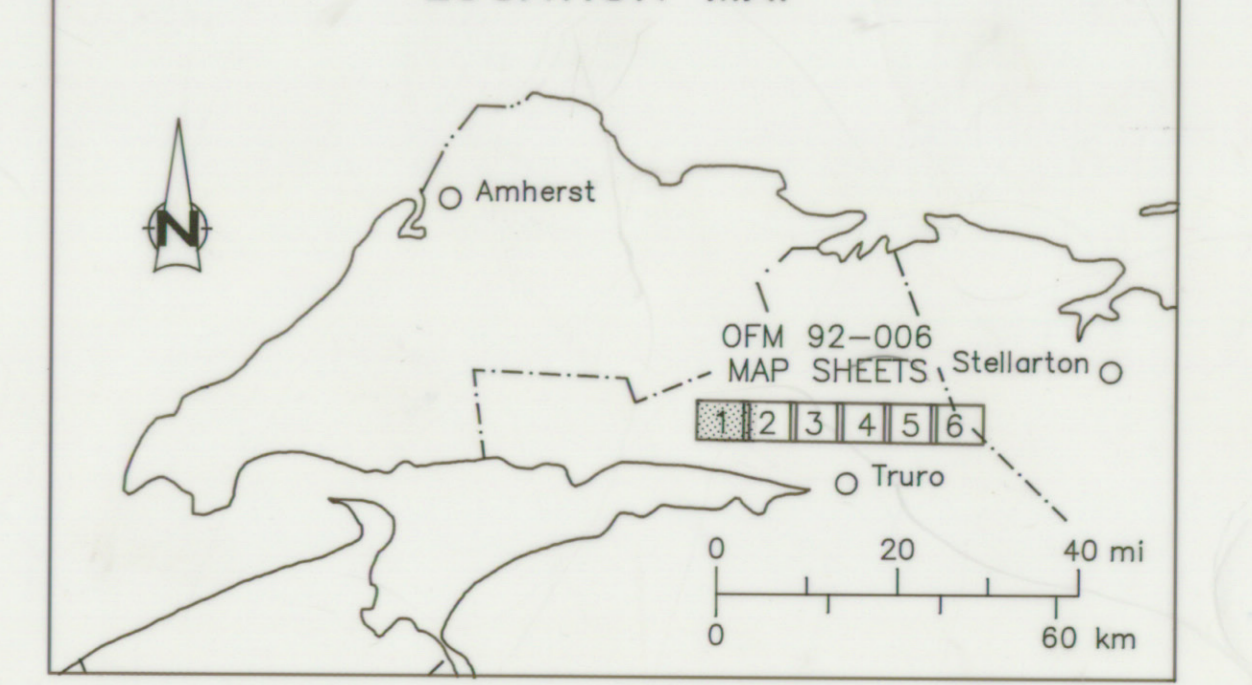
MAP NOTES

Planimetric base derived from Land Registration and Information Service (LRIS) 1:10 000 Orthophoto Maps, circa 1975 (see index map for sheet references).
 Grid shown is based on the Nova Scotia 3° M.T.M. Projection.

LRIS INDEX

11E/12 T2	11E/11 R1	11E/11 R2	11E/11 S1	11E/11 S2	11E/11 T1	11E/11 T2	11E/10 R1
11E/05 Z4	11E/06 X3	11E/06 X4	11E/06 Y4	11E/06 Z3	11E/06 Z4	11E/06 Z4	11E/07 X3
11E/05 Z2	11E/06 X2	11E/06 X2	11E/06 Y1	11E/06 Y2	11E/06 Z1	11E/06 Z2	11E/07 X1

LOCATION MAP



Nova Scotia Department of Natural Resources
 Mines and Energy Branches
 Open File Map 92-006 (1 of 6)

**GEOLOGY OF THE
 DEBERT-KEMPTOWN COALFIELD
 NOVA SCOTIA**

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 Scale 1:10 000
 Nova Scotia Department of Natural Resources
 Honourable John G. Leefe, Minister
 Halifax, Nova Scotia
 1992