



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

- 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

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

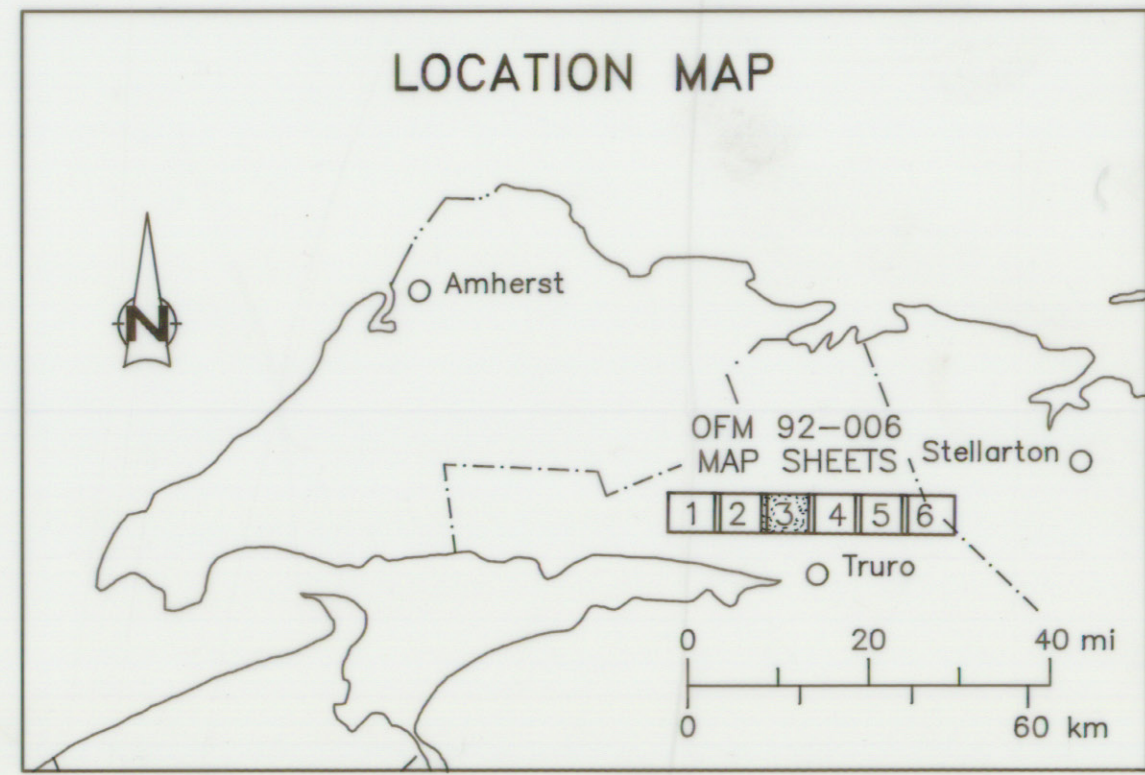
MAP NOTES

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 Y3	11E/06 Y4	11E/06 Z3	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



Nova Scotia Department of Natural Resources  
Mines and Energy Branches  
Open File Map 92-006 (3 of 6)

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

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Scale 1:10 000

0 500 1000 metres

Nova Scotia Department of Natural Resources  
Honourable John G. Leefe, Minister  
Halifax, Nova Scotia  
1992