

- ### 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, mesoale 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

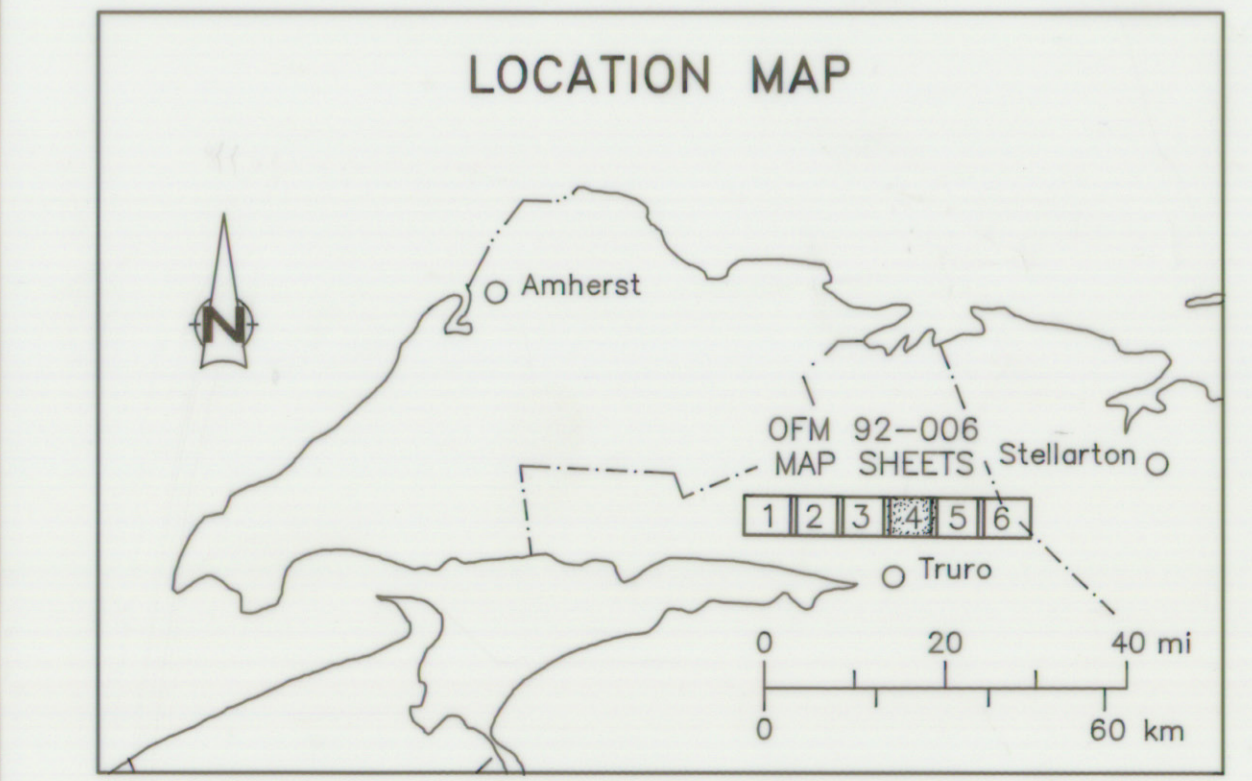
#### MAP NOTES

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	11E/11	11E/11	11E/11	11E/11	11E/11	11E/11	11E/10
T2	R1	R2	S1	S2	T1	T2	R1
11E/05	11E/06	11E/06	11E/06	11E/06	11E/06	11E/06	11E/07
Z4	X3	X4	Y3	Y4	Z3	Z4	X3
11E/05	11E/06	11E/06	11E/06	11E/06	11E/06	11E/06	11E/07
Z2	X2	X2	Y1	Y2	Z1	Z2	X1



Nova Scotia Department of Natural Resources  
 Mines and Energy Branches  
 Open File Map 92-006 (4 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. Lefe, Minister  
 Halifax, Nova Scotia  
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