

### 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  $0.5\text{ m}$  thick coals.
- Fine- to coarse-grained grey and red sandstone with subordinate red mudstone. Sandstones are generally greater than  $4\text{ m}$  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 (istric)) . . . . .
- 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 . . . . .

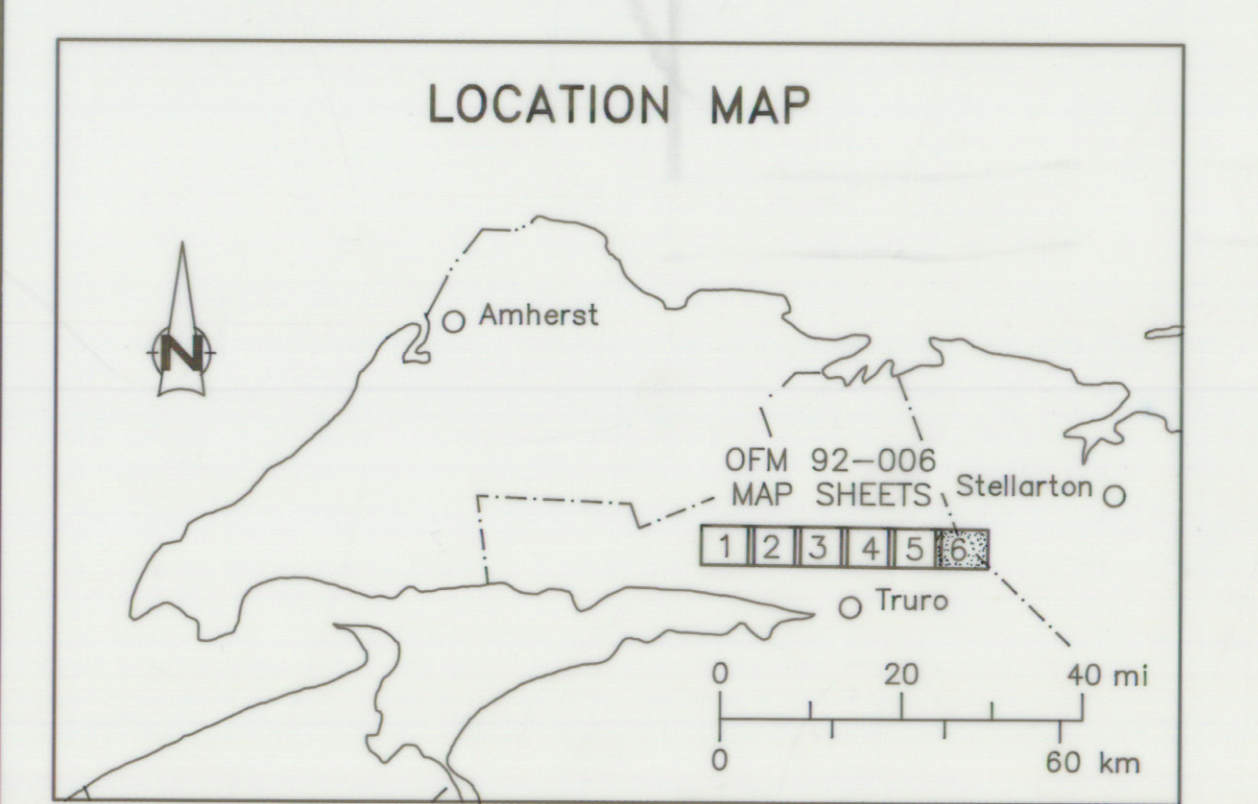
#### MAP NOTES

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 (6 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

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