



LEGEND 96E

QUATERNARY	
Qa	Alluvium, largely gravel
CRETACEOUS	
UPPER CRETACEOUS	
Ka	Unnamed: sandstone, cherty; pebbles conglomerate; shale, black
Ke	THEOUP FORMATION: sandstone; shale; marine
LOWER AND UPPER CRETACEOUS	
K	Cretaceous undivided
DEVONIAN	
UPPER DEVONIAN	
D1	INFERRAL FORMATION: shale; sandstone; minor limestone; marine
D2	CANOE FORMATION: shale, black; siliceous; bituminous; marine
MIDDLE DEVONIAN	
D3	BARWATS FORMATION: limestone, largely lacustral; fossiliferous; local shale interbeds in lower part; marine
D4	HARE INDIAN FORMATION: shale; minor siltstone and limestone; marine
D5	HARE FORMATION: limestone, fossiliferous; minor shale; marine
LOWER DEVONIAN	
D6	HEAR ROCK FORMATION: dolomite; dolomite calcarenite; calcarenite; calcarenite; locally minor limestone; locally minor siltstone
ORONOVIAN AND SILURIAN	
UPPER OROVIAN AND LOWER SILURIAN	
O1	WENTWORTH FORMATION: dolomite, fossiliferous; siliceous; minor chert; marine
CAMBRIAN AND ORONOVIAN	
UPPER CAMBRIAN AND LOWER OROVIAN	
C1	FRANKLIN MOUNTAIN FORMATION: undifferentiated
CAMBRIAN	
UPPER CAMBRIAN	
C2	LAGRANGE FORMATION: red beds (shale, siltstone, sandstone); salt; subdolomite; gypsum; dolomite; marine
LOWER AND MIDDLE CAMBRIAN	
C3	WENTWORTH FORMATION: shale; thin-bedded limestone; sandstone; siltstone; marine
PROTEROZOIC	
SILURIAN (?)	
S1	Upper division: quartzite; dolomite; shale; marine and (?) metamorphic; (?) lower division: mainly quartzite; minor shale and dolomite; marine and (?) metamorphic
S2	TRICHOITE FORMATION: shale; sandstone; dolomite; marine; gabbro sills

Shallow borehole sample X
 Geological boundary (defined, approximate, assumed) - - - - -
 Geological marker - - - - -
 Folding (anticline) - - - - -
 Photogeological strike and dip - - - - -
 Fault, normal (defined, assumed, solid dip on downthrown side) - - - - -
 Fault, sense of displacement unknown (defined, assumed) - - - - -
 Fault with strike slip component (defined, assumed) - - - - -
 Fault, thrust or reverse (defined, assumed, teeth on upthrust side) - - - - -
 Lineament - - - - -
 Anticline, trace of axial plane (defined, approximate, arrow indicates plunging) - - - - -
 Anticline, approximate (short arrow indicates steeply plunging) - - - - -
 Syncline, trace of axial plane (defined, approximate, arrow indicates plunging) - - - - -
 Syncline, approximate (short arrow indicates steeply plunging) - - - - -
 Ground observation (mapping station) - - - - -
 Surveying well - - - - -
 Stratigraphic section, locus of measurement (numbers refer to internal numbering system) (studied by: W.S. Macdonald, M.A. K.A. Macgown, M.C. J. Verah, F.B. ...)

Geological compilation by G.C. Cook and J.D. Aikins (1955); based on studies of vertical aerial photographs and air and ground observations by J.D. Aikins, M.C. Verah, F.B. Bellucci, G.C. Cook, W.S. Macdonald, H.K. Macgown, J.L. Fisher, and C.J. Verah (1968, 1969, 1970, 1975) and published and unpublished geological reports.

norman wells