GEOLOGICAL SURVEY OF CANADA — COMMISSION GÉOLOGIQUE DU CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

39 Kilometres | 45 Kilometres | 42 Kilometres | 60 Kilometres | 21 Kilometres | 89 Kilometres | 14 Kilometres | 27 Kilometres | 16 Kilometres | To A-42 (64 kilometres)

G-31
Inexco Porcupine Y.T. G-31

B-62
Socony North Cath. Y.T. B-62

N-53
W.M. North Hope Y.T. N-53

D-61
Chevron North Parkin Y.T. D-61

N-05
Socony South Tuttle Y.T. N-05

N-25
Gulf Caribou Y.T. N-25

H-71
Mobil Peel Y.T. H-71

I-21
Shell Peel River Y.T. I-21

M-69
Shell Peel River Y.T. M-69

Mount Burgess
(Type section of Ogilvie Formation)

FORD LAKE SHALE
CANOL FM.?
ROAD RIVER FORMATION (upper Ogilvie equivalent)
Arnica-Road River transitional unit
PEEL FORMATION
"Recessive medium and thin bedded light grey weathering limestone unit."
Ramparts-forming limestone unit
Type section of the "Ogilvie Formation"
Givetian "post-Hume" age
Eifelian "Hume" age
"Gossage"
"Middle Ordovician and older?"
"red sandy calcareous shale"
"chert pebble conglomerate in green shale and red-brown shale"
IMPERIAL FORMATION
CANOL FORMATION
OGILVIE FORMATION (upper part)
LANDRY FORMATION
ARNICA FORMATION
TATSIETA FORMATION
PEEL FORMATION
Reef
Reef
Hume equivalent
Arnica-Landry equivalent
Tatsieta equivalent
Peel equivalent
ROAD RIVER FM.
Mount Kindle - Road River transitional unit
Echinoderm mid-Emsian date Early Devonian) to early Eifelian date (Middle Devonian) probable (Uyeno Fm. in Jeletzky 1977)
Microscopic determination (B.S. Norford per comm. Feb. 1979) see also Norford et al., 1977, p.23)
HORN RIVER FORMATION
Hume Formation transitional
Arnica-Landry transitional
Peel Formation transitional
Bluefish Member
transitional
DATUM
T.D. 8 720 ft.
T.D. 7 016 ft.
T.D. 14 043 ft.
T.D. 11 000 ft.
T.D. 11 527 ft.
T.D. 11 812 ft.
T.D. 11 129 ft.
T.D. 6 800 ft.
T.D. 10 737 ft.
To A-42 (6 916)
To A-42 (7 061)
To A-42 (7 088)
To A-42 (8 564)
To A-42 (9 963)
To A-42 (9 596)
To A-42 (10 269)
Anticline Figure 27b

LEGEND

Shale
Black shale
Sandstone
Conglomeratic sandstone
Siltstone
Limestone
Dolomite
Pale chert
Dark chert
Silicified (argillite, orthoquartzite etc.)
Black argillite
No sample available
Samples not described

ACCESSORIES

Shale	sh
Sandstone	ss
Siltstone	slst
Limestone	ls
Dolomite	D
Anhydrite	an
Salt	sa
Orthoquartzite	oq
Fossiliferous	F
Calcite	ca
Quartz	q
Glauconite	gl
Micaceous	m
Porosity	p
Pyrite	py
Kaolinite	kl
Pale chert	△
Dark chert	▲
Oolitic chert	⧋
Oolite	●
Pelletal	○
Paleontological dating (for detail, see Appendix I)	(F)
Approximate feet	±300
Finely crystalline	fx
Medium crystalline	mx
Coarsely crystalline	cx

COLOURS

Green	G (G)
Purple	P (P)
Red	R (R)
Yellow	Y (Y)
Brown	B (B)

Note: Brackets indicate minor amounts

MAXIMUM SAND GRAIN SIZE

Fine	f
Very fine	vf
Coarse	co
Very coarse	vco

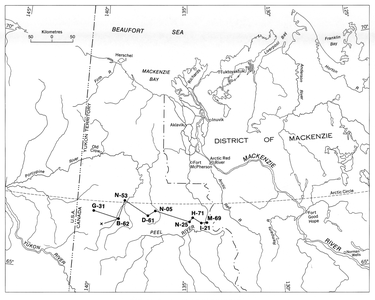
Unconformity	
Formational boundary	
Member boundary	
Facies change	
Lithofacies, present in minor amounts, as shown by the appropriate code letters	▲ sh
Paleontological Report (Appendix I)	(6.JAM.1975)
Well History Report	(IMAR-F-48-1973)

Note: All logs predate metrication, therefore all depths are indicated in feet

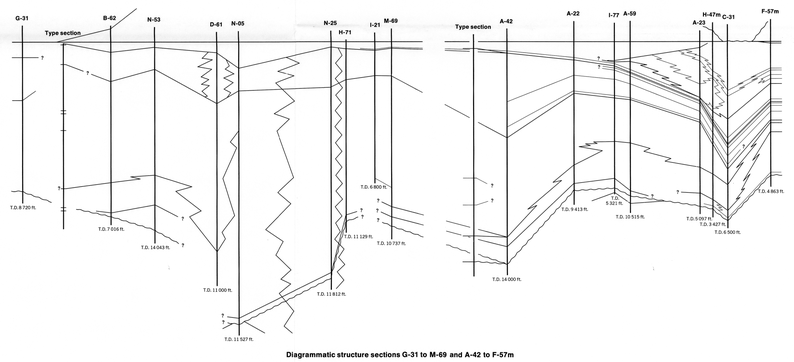
Geology by D.C. Pugh, 1975-77

To accompany GSC Memoir 401 by D.C. Pugh

Drafting by S.D. Orzeck, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada



Index map showing location of columnar sections



Diagrammatic structure sections G-31 to M-69 and A-42 to F-57m

Figure 27a. Devonian stratigraphic cross-section G-31 to M-69

Printed by the Surveys and Mapping Branch. Published, 1983

Figure 27a
Memoir 401

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