

LEGEND

CRETACEOUS

LOWER CRETACEOUS

FORT ST. JOHN GROUP

KSu SULLY FORMATION: Dark grey shale and siltstone with sideritic concretions; silt content higher in upper part.

KSk SIKANI FORMATION: Greenish grey sandstone, siltstone, and shale; sandstone is thick-bedded, commonly calcareous or glauconitic, typically finely laminated and cross-laminated.

KL LEPINE FORMATION: Dark grey mudstone with concretions, silt shale, and black fissile shale; lower part of unit abundantly fossiliferous.

KSc SCATTER FORMATION: Resistant, greenish-grey, glauconitic, laminated sandstone; medium- to thick-bedded, silty, concretionary mudstone common in middle part of unit.

KGr GARBUTT FORMATION: Grey shale and siltstone with sideritic concretions; minor thin-bedded, finely laminated sandstone.

KCh CHINKEH FORMATION: Chert-pebble conglomerate overlain by bioturbated quartz arenite with variable chert content, and argillaceous siltstone; woody or plant debris common.

TRIASSIC

DIABER GROUP

TD DIABER FORMATION: Grey, red, and green shale interbedded with thin- to thick-bedded brown sandstone; locally calcareous or phosphatic; may include the Grayling Formation at the base.

PERMIAN

ISHBEL GROUP

PF FANTASQUE FORMATION: Dark grey to white, well bedded, spiculitic chert; rusty weathering; rhythmically interbedded with minor shale and siliceous siltstone.

PT Tika map unit: Buff weathering, light to medium brown, silty and sandy limestone or dolomite grading into calcareous siltstone and sandstone; subordinate lithoclast breccia and shale; medium-bedded, massive to cross-laminated; sparsely fossiliferous; characteristic rectilinear fracture pattern.

LOWER CARBONIFEROUS

MATTSON FORMATION

CM-u UPPER MEMBER: Light to medium grey, fine- to coarse-grained, locally calcareous or dolomitic quartz arenite and sub-chert-arenite; subordinate fossiliferous limestone, dolomite, and grey to green shale; sandstone commonly shows large-scale crossbedding; fossils in the limestone are commonly silicified.

CM-m MIDDLE MEMBER: Grey to buff to brown, poorly- to well-indurated, fine-grained quartz arenite with subordinate siltstone and dark shale; minor coal and sandy dolomite; sandstone shows fine- to large-scale crossbedding; typically forms sharp-based, thick-bedded, fining-up sequences.

CM-l LOWER MEMBER: Greyish-orange weathering, light grey or buff, well-indurated, fine- to very fine-grained quartz arenite interbedded with siltstone and dark grey shale; minor coal, dolomite, and lithoclast breccia; cross-laminated and trace fossils common; typically thin- to medium-bedded with coarsening-up sequences.

DEVONIAN AND CARBONIFEROUS

DCBR BESSA RIVER FORMATION: Dark grey to black shale; locally weathers buff; sparsely fossiliferous; minor interbedded greyish-orange weathering sandstone, siltstone.

MAP SYMBOLS

Geological boundary (defined, approximate, assumed)

Outcrop stations

Outcrop; remote observation

Bedding (inclined, vertical, horizontal, overturned, estimated)

Crossbedding (dip direction and dip; uncorrected)

Joint (inclined)

Anticline (defined, approximate, assumed)

Syncline (defined, approximate, assumed)

Overturned anticline (defined, approximate, assumed)

Anticlinal kink fold - (defined, approximate, assumed) (See diagram below)

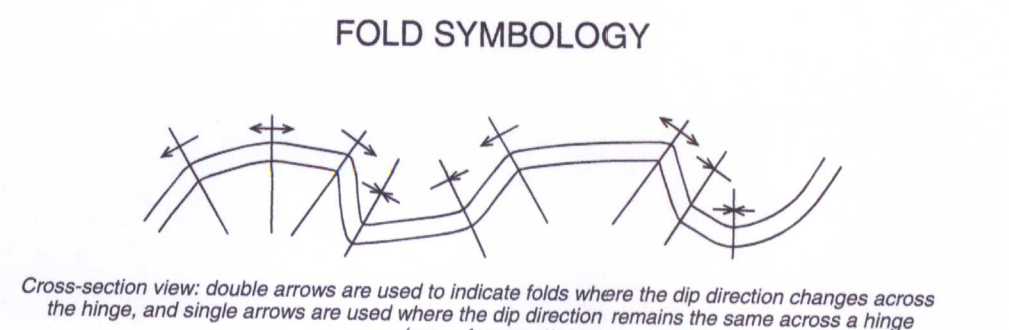
Synclinal kink fold - (defined, approximate, assumed) (See diagram below)

Overturned syncline - limbs dip in opposite direction (defined, approximate, assumed)

Fault, thrust (defined, approximate)

Fault, unknown type (defined, approximate) (U on upthrown side, D on downthrown side if known)

Wells (dry and abandoned)



LIST OF WELLS

UWID	FULL NAME	SPUD DATE	SURFACE LOCATION (Easting, Northing)
1 300676530124000	PAN AM KOTANEELEE O-67	19 Nov 1968	433957, 6701843
2 300680620124150	PAN AM SHELL MERRILL YT L-60	24 Jan 1969	420758, 6688465

References:

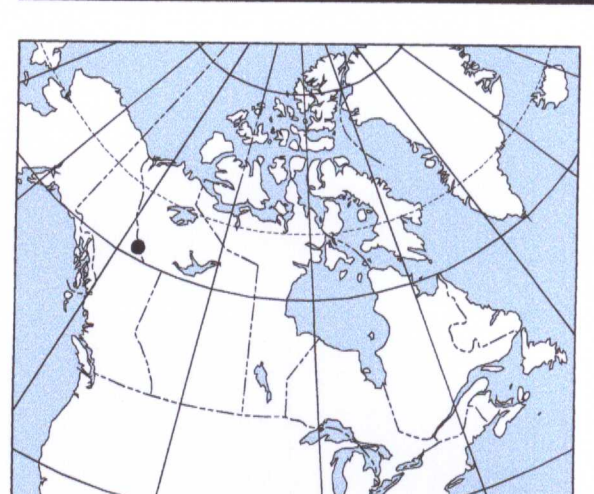
1. Stockmal, G.S., Kubli, T.E., Currie, L.D., and McDonough, M.R., 2002: Map symbology and analysis of box and polycylindrical folds, with examples from the Rocky Mountain Foothills of northeastern British Columbia and the Liard Ranges of southeastern Yukon Territory and southwestern Northwest Territories; *Canadian Journal of Earth Sciences*, vol. 39, p.145-155.

NOTES:

1. Bedding orientations are shown at station locations; crossbedding and joint orientations are shown slightly offset from stations for clarity.

2. Slumping of large sections of bedrock may locally influence structure orientations and lead to minor variations in strike and dip.

Geological compilation by K.M. Falls and L.S. Lane, 2002
 Geology by K.M. Falls, L.S. Lane, and A.K. Khudoley, 2000-2002;
 L.D. Currie, T.E. Kubli, M.P. Cecile, and M.R. McDonough, 1995-1997;
 based on fieldwork and studies of vertical air photographs.
THIS MAP IS A PRODUCT OF THE CENTRAL FORELAND NATMAP PROJECT
 Geological cartography by S.J. Hinds, Geological Survey of Canada
 Any revisions or additional geological information from the user would be welcomed by the Geological Survey of Canada
 Base map at the same scale published by Surveys and Mapping Branch in 1971



NATMAP CARTNAT
 Canada's National Geoscience Mapping Program
 Le Programme national de cartographie géoscientifique du Canada

GEOLOGY
BABICHE MOUNTAIN (95C/8)
 YUKON AND NORTHWEST TERRITORIES

Scale 1:50 000 Échelle 1/50 000

Kilometres 1 0 2 3 Kilomètres

Universal Transverse Mercator Projection / Projection transverse universelle de Mercator
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OPEN FILE DOSSIER PUBLIC 1563

GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA
 2003

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 Les dossiers publics sont des produits qui n'ont pas été soumis au processus officiel de publication de la CGC.

95C/10	95C/9	95B/12
Tika Creek	Chinkeh Creek	Mount Flett
	GSC OF 3643	
95C/7	95C/8	95B/6
Brown Lake	Babiche Mountain	Fisherman Lake
GSC OF 4267	GSC OF 1563	GSC OF 4161
95C/2	95C/1	95B/4
Mount Merrill	Mount Marin	Betalmee Lake
GSC OF 4264	GSC OF 3402	

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

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 2003: Geology, Babiche Mountain (95C/8), Yukon and Northwest Territories; Geological Survey of Canada, Open File 1563, scale 1:50,000.