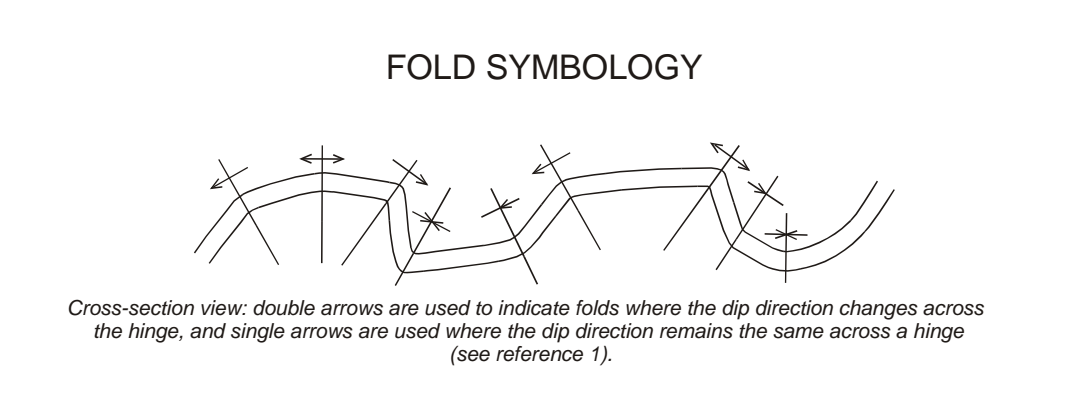


LEGEND

MESOZOIC	CRETACEOUS	
	LOWER CRETACEOUS	
	Ksu	FORT ST. JOHN GROUP SULLY FORMATION: Dark grey shale and siltstone with sideritic concretions; silt content higher in upper part.
	Ksa	SIKANI FORMATION: Greenish grey sandstone, siltstone, and shale; sandstone is thick-bedded; commonly calcareous or glauconitic; typically easily laminated and cross-laminated.
	KL	LEFINE FORMATION: Dark grey mudstone with concretions, silty 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.
	KCo	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	
	Tt	DIABER GROUP TOAD 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, spiculate 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.
PALEOZOIC	LOWER CARBONIFEROUS	
	MATTSON FORMATION	
	CM-u	UPPER MEMBER: Light to medium grey, fine- to coarse-grained, locally calcareous to 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	BESA 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 3000676030124000	PAN AM KOTANELEE O-67	19 Nov 1968	433957, 6701943
2 3000606020124150	PAN AM SHELL MERRILL YT L-60	24 Jan 1969	420758, 6688465

References:
1. Stockmal, G.S., Kubi, T.E., Currie, L.D., and McDonough, M.R., 2002. Map symbology and analysis of box and polycrinal 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. Khutskely, 2000-2002;
L.D. Currie, T.E. Kubi, 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 2 3 / Kilomètres

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2003

95C10 Tika Creek	95C9 Chinkeh Creek	95B12 Mount Pielt
95C7 Brown Lake	GSC OF 3843 95C8 Babiche Mountain	95B5 Fisherman Lake
GSC OF 4287 95C2 Mount Merrill	GSC OF 1563 95C1 Mount Martin	GSC OF 4181 95B4 Betalama Lake
GSC OF 4264	GSC OF 3402	