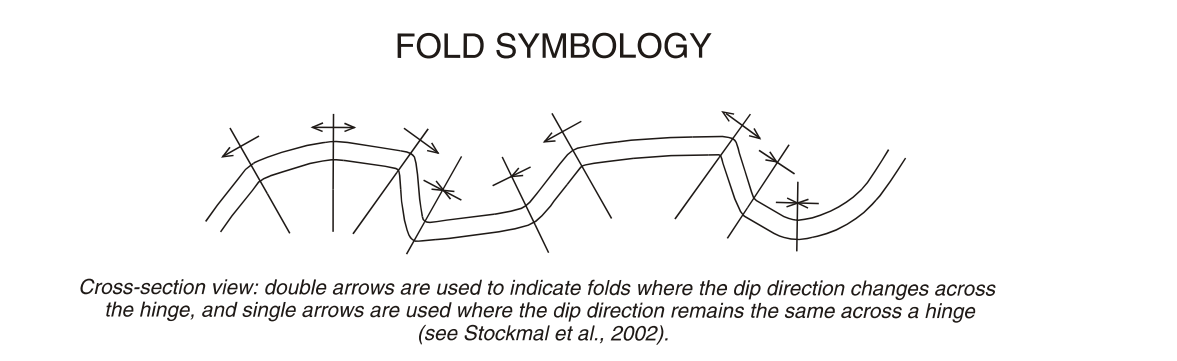


LEGEND

MESOZOIC	CRETACEOUS	
	UPPER CRETACEOUS	
	Kd	DUVEGAN FORMATION: Light grey to buff sandstone, massive or crossbedded; subordinate pebble conglomerate, dark grey silty shale, and coal.
	LOWER CRETACEOUS	
	FORT ST. JOHN GROUP	
	Ksu	SULLY FORMATION: Dark grey shale and siltstone with sideritic concretions; silt content higher in upper part.
	Ksk	SIKANNI FORMATION: Greenish grey sandstone, siltstone, and shale; sandstone is thick bedded, commonly calcareous or glauconitic, typically thinly 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.
	KGr	GARBUTT FORMATION: Grey shale and siltstone with sideritic concretions; minor thin bedded, finely laminated sandstone; may include the Chinkeh Formation where that unit is too thin to map separately.
KCh	CHINKEH FORMATION: Chert-pebble conglomerate overlain by bioturbated quartz arenite with variable chert content, and argillaceous siltstone; woody or plant debris common.	
PALEOZOIC	PERMIAN	
	ISHBEL GROUP	
	PF	FANTASQUE FORMATION: Rusty weathering, dark grey to white, well bedded, argillaceous chert, rhythmically interbedded with minor shale and siliceous siltstone; basal phosphatic breccia or sandstone.
	PT	Tika map unit: Buff weathering, light to medium brown, silty and sandy limestone or dolostone grading into calcareous siltstone and sandstone; thin- to medium-bedded and massive; rectilinear fracture pattern characteristic.
	LOWER CARBONIFEROUS	
	MATTSON FORMATION	
	CM-u	UPPER MEMBER: Grey, fine- to coarse-grained, quartz arenite and sub-chert arenite, fossiliferous limestone, and shale; sandstone commonly shows large-scale crossbedding; fossils in the limestone are commonly silicified; may include Tika map unit.
	CM-m	MIDDLE MEMBER: Grey to buff or brown, poorly to well-indurated, fine-grained quartz arenite interbedded with subordinate siltstone and dark shale; minor coal; sandstone is thick bedded, shows fine- to large-scale crossbedding, and forms living-up packages.
	CM-l	LOWER MEMBER: Greyish-orange weathering, light grey or buff, well-indurated, fine-grained quartz arenite interbedded with siltstone and dark grey shale; minor coal; cross-lamination and trace fossils common; thin- to medium-bedded with coarsening-up packages.
	DEVONIAN AND CARBONIFEROUS	
DCBR	BESA RIVER FORMATION: Dark grey to black shale; sparsely fossiliferous; minor interbedded greyish- to orange weathering sandstone, siltstone, limestone, and lithoclast breccia; scattered sideritic nodules.	

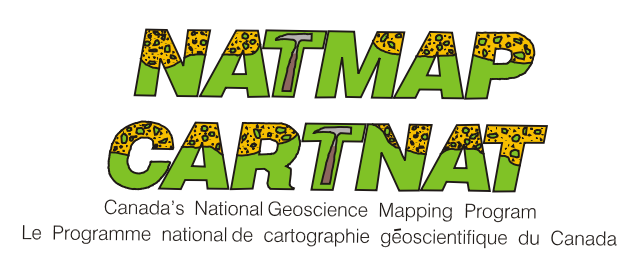
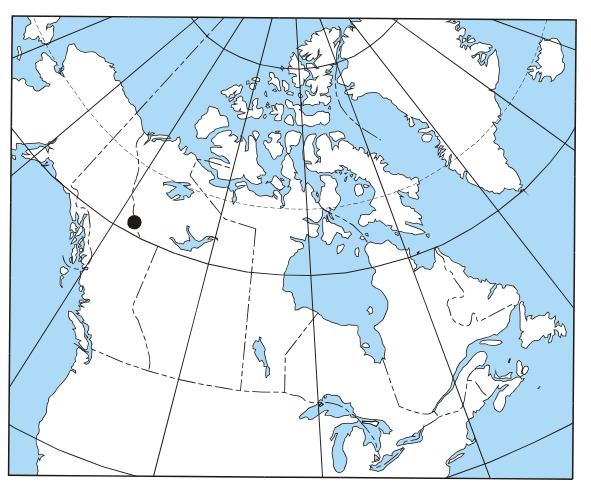
MAP SYMBOLS

Geological boundary (defined, approximate, assumed)	
Outcrop stations	
Outcrop; remote observation	
Bedding (vertical, horizontal, inclined, overturned, estimated)	
Crossbedding (dip direction and dip; uncorrected)	
Joints	
Fractures	
Anticline (defined, approximate, assumed)	
Syncline (defined, approximate, assumed)	
Overturned anticline (defined, approximate, assumed)	
Overturned syncline (defined, approximate, assumed)	
Anticlinal kink fold - (defined, approximate, assumed) (See diagram below)	
Synclinal kink fold - (defined, approximate, assumed) (See diagram below)	
Overturned anticlinal kink - limbs dip in opposite direction (certain, approximate, assumed)	
Overturned synclinal kink - limbs dip in opposite direction (certain, approximate, assumed)	
Fault, thrust (approximate, assumed)	
Fault, unknown type (defined, approximate) (U on upthrown side, D on downthrown side)	
Map unit labels (on map, in GIS data files)	DCBR DvCb-BR



References:
 1. Stockmal, G.S., Kubi, 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, pp.145-155.

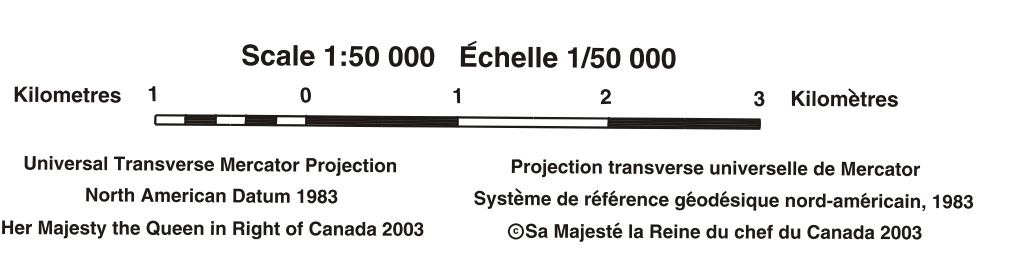
THIS MAP IS A PRODUCT OF THE CENTRAL FORELAND NATMAP PROJECT
 Any revisions or additional geological information from the user would be welcomed by the Geological Survey of Canada
 Base map at the same scale published Surveys and Mapping Branch in 1971



GEOLOGY

CHINKEH CREEK (95C/9)

NORTHWEST TERRITORIES - YUKON TERRITORY



95C/15 Dendale Lake	95C/16 Etanda Lakes	95B/13 Sawmill Mountain
95C/10 Tika Creek	95C/9 Chinkeh Creek	95B/12 Mount Flett
95C/7 Brown Lake	95C/8 Babiche Mountain	95B/5 Fisherman Lake

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