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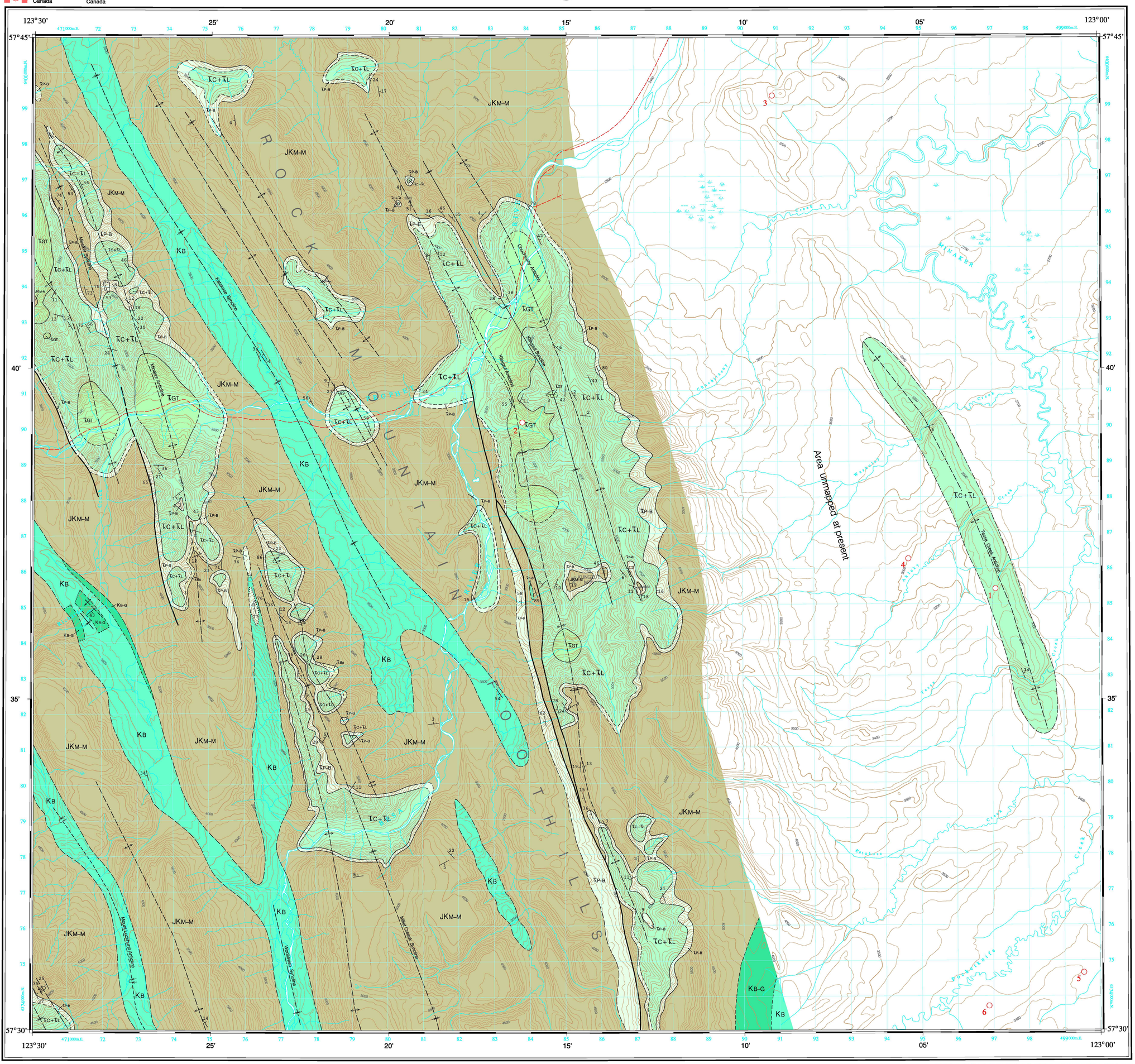
GEOLOGICAL SURVEY OF CANADA | COMMISSION GÉOLOGIQUE DU CANADA



LEGEND

MESOZOIC

CRETACEOUS
LOWER CRETACEOUS
FORT ST. JOHN GROUP

KB — **BUCKINGHORSE FORMATION** - *Shale, black, scattered brown weathering sideritic nodules common in middle and upper parts; and minor sandstone.*

BULLHEAD GROUP

KB-G — **GETHING FORMATION** - *Quartz arenite, rusty; and shale, black.*

JURASSIC AND CRETACEOUS
MINNES GROUP

JKM–M? — **MONTIETH FORMATION** - *Quartz arenite, massive white, or fine grained grey; minor shale, black; and argillaceous quartz arenite; and rare chert pebble conglomerate. Commonly includes underlying Fernie Fm., where it is too thin to show at 1:50 000 scale, and may include overlying Gething Fm. and/or Cadomin Fm.*

TRIASSIC
SCHOOLER CREEK GROUP

TBo — **BOCOCK FORMATION** - *Limestone, massive grey cliff forming, fossiliferous; with minor shale; siltstone; quartz arenite; and argillaceous limestone.*

TP-B — **BALDONNEL AND PARDONNET FORMATIONS** - *Pardonnet Formation: Limestone, recessive flaggy,fossiliferous, shaly and silty; abundant Monotid pelecypods are a characteristic feature; bivalves, brachiopods and ichthyosaur bones are locally preserved. Baldonnel Formation: Limestone, massive grey cliff forming, fossiliferous; with minor shale; siltstone; quartz arenite; and argillaceous limestone.*

TC+TL — **CHARLIE LAKE AND LIARD FORMATIONS** - *Charlie Lake Fm.: Siltstone, calcareous, orange weathering; minor limestone; shale; quartz arenite; and breccia. Liard Fm. (Halfway Fm - subsurface): Quartz arenite, massive, thick bedded, forming metre scale thick units; interstratified with metre scale calcareous quartz arenite and limestone.*

DIABER GROUP

TGT — **TOAD - GRAYLING FORMATION (Doig and Monteney Fms. subsurface)** *Shale, calcareous, brown-grey weathering, laminated with units of very shaly, brown weathering fine grained limestone. More calcareous in the upper part. More phosphatic in the lower part.*

PALEOZOIC

CARBONIFEROUS
RUNDLE GROUP

Cp — **PROPHET FORMATION** - *Chert, grey, light grey, black; and shale, brownish black; units of grey limestone towards top. May include Stoddart Group, and/or chert of the overlying Fantasque Fm.*

MAP SYMBOLS

Outcrop (small, large, scattered, debris)
Geological boundary (defined, approximate, assumed)
Geological boundary (assumed projection under younger deposits)

LOCAL STRUCTURES
PLANAR STRUCTURES
Bedding, tops known (inclined, overturned, vertical, horizontal)
Fold axial plane (inclined)
Joint (inclined)

LINEAR STRUCTURES
Fold axis (anticline, syncline, Z-fold, S-fold, M-fold)

REGIONAL STRUCTURES
Thrust fault (teeth indicate dip direction; defined, approximate, assumed)
Thrust fault (assumed projection under cover of younger deposits)

Anticline (defined, approximate, assumed)
Syncline (defined, approximate, assumed)
Overturned anticline (defined, approximate, assumed)
Overturned syncline (defined, approximate, assumed)

OTHERS
Well (unknown status)
Fossil locality (F)
Glacial erratic locality (E)

LIST OF WELLS

	UWID	FULL NAME	RIG RELEASE	SURFACE LOCATION (Easting, Northing)
1	200B034H094G1100	SINCLAIR MINAKER B- 034-H/094-G-11	25 Jan 1959	497090 6385422
2	200B082F094G1100	SHELL HUDSONS BAY KLINGZUT B- 082-F/094-G-11	15 Jan 1968	483846 6390125
3	200A083J094G1100	HOME ET AL MINAKER A- 083-J/094-G-11	08 Dec 1972	490881 6399264
4	200A048H094G1100	REMINGTON ET AL W MINAKER A- 048-H/094-G-11	20 Jan 1989	494650 6386271
5	200C011A094G1100	HUSKY MOBIL POCKETKNIFE C- 011-A/094-G-11	18 Sep 1993	499534 6374657
6	200D005A094G1100	RANGER NJMAC POCKETKNIFE D- 005-A/094-G-11	20 Dec 1993	496872 6373721

Geology by A. K. Khudoley, based on fieldwork conducted during 1998.

THIS MAP IS A PRODUCT OF THE CENTRAL FORELAND NATMAP PROJECT

REFERENCES

Cecile, M.P. (compiler) 1997: Geology Sikanni Chief River area, parts of NTS eets 94G3 (Marion Lake), 94G6 (Mount Withrow). Geological Survey of Canada Open File 3471, 1:50,000.

Taylor, G.C. 1979: Trutch and Ware (east half) map areas, Geologil Survey of Canada Open File 606, scale 1:125,000, 2 sheets.

Taylor, G.C., and Stott, D.F. 1997: Geology, Toad River (94N), Peace River District, British Columbia, Geological Survey of Canada Open File 3598, scale 1:250,000, 1 sheet.

Geological cartography by S.J. Hinds

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

UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 10

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1983
Transverse Mercador Projection

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

Canada

PRELIMINARY GEOLOGY

MINAKER RIVER

PEACE RIVER DISTRICT
BRITISH COLUMBIA

Scale 1:50 000 Échelle 1/50 000

Kilometres 1 0 1 2 3 Kilomètres

Universal Transverse Mercator Projection
© Her Majesty the Queen in Right of Canada, 1999

Projection transverse universelle de Mercator
© Sa Majesté la Reine du chef du Canada, 1999

OPEN FILE
DOSSIER PUBLIC
3735
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA
JUNE 1999

Although every effort has been made to ensure accuracy, this Open File Report has not been edited for conformity with Geological Survey of Canada standards.

94G/13 Kluachesi Lake	94G/14 Bunch Creek	94G/15 Bougie Creek
94G/12 Richards Creek GSC OF 3733	94G/11 Minaker River GSC OF 3735	94G/10 Trutch
94G/05 Redfern Lake GSC OF 3734	94G/06 Mount Withrow GSC OF 3737	94G/07 Buckinghorse River

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

NOTES:

Base map and geology have been transformed from NAD27 (North American Datum 1927) to NAD83.

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Recommended citation:
Khudoley A. K.,
1999: Preliminary Geology of the Minaker River map area (94G/11), Geological Survey of Canada Open File 3735, scale 1:50 000