

UWI	Well Name
1. 200C010E094N0700	JOINT VENTURE NO.1-C-E/094-N-07
2. 200C010E094N0700	JOINT VENTURE NO.1-C-E/094-N-08
3. 200D075E094N0800	JOE DUNEDIN D-075-E/094-N-08
4. 200D075E094N0200	KMCL SHELL TOAD D-075-K/094-N-02

Table 1. List of wells.

REFERENCES

Geotex Consultants. 1984. Liard River Development, Devils Gorge and Beavercrown projects; unpublished geological maps prepared for BC Hydro, scales 1:10 000 and 1:50 000. P.B. Read, principal compiler.

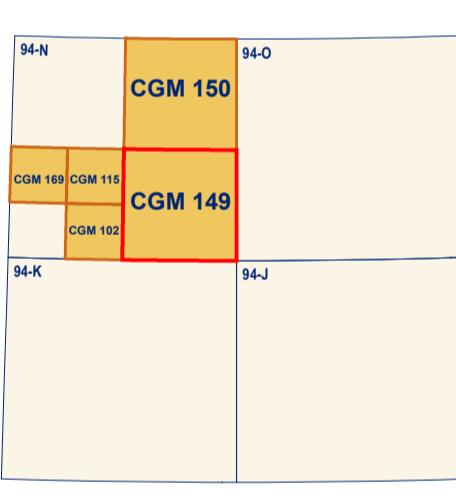
Kindle, E.D. 1944. Geological reconnaissance along Fort Nelson, Liard and Beaver Rivers, northeastern British Columbia, and southeastern Yukon: Geological Survey of Canada, Paper 44-16, 14 p.

Abstract

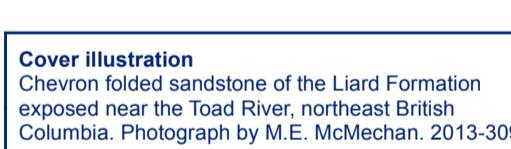
The Toad River southeast map area (NTS 94-N/SE) in western Liard Basin is underlain by a thick Triassic to Cretaceous clastic rock-dominated succession. A prominent eastward thrust belt up-tilted by upper Cretaceous ductile shear zones separates the Sikan and Dunvegan formations marks the west limb of the Liard syncline. To the east, exposure is limited to more isolated areas where the synclinal margin has been truncated. A few discontinuous gentle folds occur. To the west the amount of deformation decreases noticeably toward northwest. In the southwest, the Foothills are characterized by a well developed system of north-south trending, open, and gently faulted by resistant Triassic sandstone of the Liard Formation. North of Liard River only a few gentle north or northwest-trending folds deform Triassic and Lower Cretaceous strata. The synclinal margin to the southern Liard Fold and Thrust Belt. Drilling has shown the prominent Toad River Anticlinorium overlying uplifted Proterozoic and Paleozoic strata.

Résumé

La portion sud-est de la région géographique de Toad River (SNRC 94-N/SE), dans la partie ouest du bassin de Liard, repose sur une épaisse succession à dominante d'étoches détritiques du Trias-Créta. Un escarpement estival marqué par des concrétions résistantes du Crétacé supérieur sépare les formations de Sikan et de Dunvegan délimitant le flanc ouest du synclinorium de Liard. L'exposition est limitée aux cours d'eau plus enclosés et représentent surtout la Formation de Dunvegan. Quelques plis peu développés et discontinus sont présents. À l'ouest, l'importante zone de déformation ductile des foyers se déplace vers le nord. Au sud-ouest, les Foothills sont caractérisés par un terrain bien organisé de plis ouverts et direction nord-ouest mis en évidence de façon systématique par des bancs résistants de grès de la Formation de Liard. Au nord de la rivière Liard, seuls quelques plis ouverts de direction nord ou nord-ouest démontrent la présence de la zone de déformation dans la zone de transition menant à la zone de plissement et de chevauchement de Liard. Des forages ont démontré que l'anticlinorium saillant de Toad River surplombe les unités Proterozoïques et Paléozoïques.



National Topographic System reference and index to adjoining published Geological Survey of Canada maps

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CANADIAN GEOSCIENCE MAP 149

GEOLOGY

TOAD RIVER (SOUTHEAST)

British Columbia

1:100 000

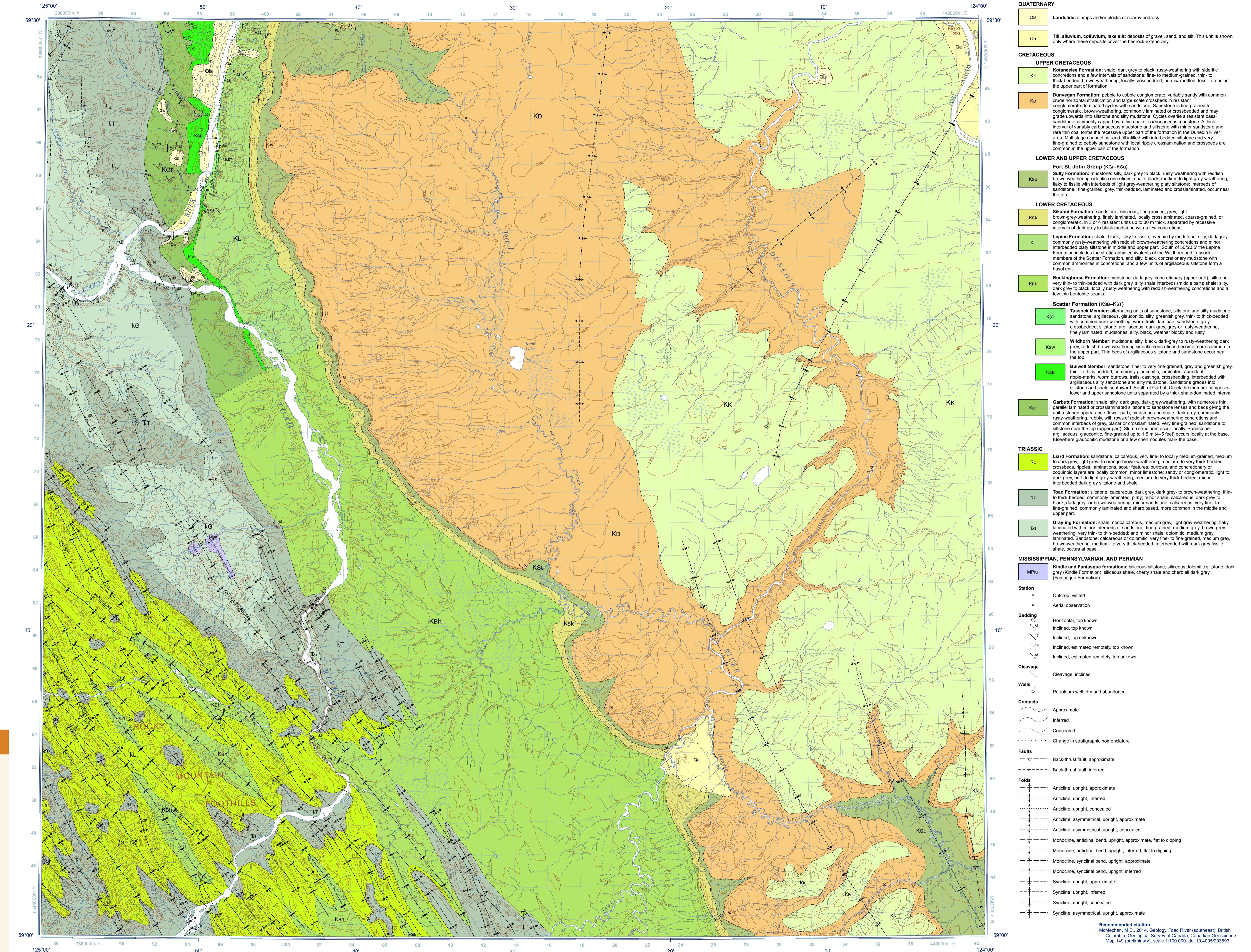


Preliminary

Canadian Geoscience Maps



Canada



Author: M.E. McMechan

Geology by M.E. McMechan based on ground and aerial observations by M.E. McMechan (2011-2012), ground observations by F. Fern (2011-2012), J.F. Psutka (1982) and D.M.S. Jowett (2008), and unpublished geological maps and reports from the Geological Survey of Canada (1984). P.B. Read, principal compiler for the area along the Liard River, and studies of vertical air photographs and high resolution orthorectified satellite images by M.E. McMechan.

Geomatics and cartography by T. Konopelko and M. Le

CANADIAN GEOSCIENCE MAP 149
GEOLOGY
TOAD RIVER (SOUTHEAST)

British Columbia

1:100 000

2 0 2 4 6 8 km

Initiative of the Geological Survey of Canada, conducted under the auspices of the Yukon Terrane Basal Project as part of Natural Resources Canada's program for Energy and Minerals (GEM) program and the British Columbia Ministry of Natural Gas Development, Geoscience and Strategic Initiatives Branch.

Mean magnetic declination 2014: 20°18'E, decreasing 21' annually. Readings vary from 20° 07'E in the SE corner to 20° 28'E in the NW corner of the map.

The Geological Survey of Canada welcomes corrections or additional information from users. Data may include additional observations not portrayed on this map. See documentation accompanying the data. Additional descriptive notes and references are included in the map information document.

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Preliminary publications in this series have not been scientifically edited.

CANADIAN GEOSCIENCE MAP 149
GEOLOGY
TOAD RIVER (SOUTHEAST)
British ColumbiaRecommended station
McMechan, M.E., 2014. Geology, Toad River (southeast), British Columbia; Geological Survey of Canada, Canadian Geoscience Map 149 (preliminary), scale 1:100 000, doi:10.4095/293693