

UWI	Well Name
1. 200C06094N0900	NEXEN INC. LA JOLIE C-066-K094-N-09
2. 200B037094N0900	SUNCOR WESTAR LA JOLIE B-037-K094-N-09
3. 200D098F094N1000	OAKWOOD JOE ET AL. SCATTER D-098-K094-N-10
4. 200D036H094N1500	AMOCO CHEVRON CROW D-036-H094-N-15
5. 200D016A094N1500	PENN WEST CROW D-016-A094-N-15
6. 200D016A094N1502	DEVON NEC CROW D-016-A094-N-15
7. 200C037094N1600	TALISMAN BEAVER B-037-K094-N-16
8. 200C045K094N1600	PAN AM BEAVER C-045-K094-N-16
9. 200A075K094N1609	TRANSEURO HZ BEAVER D-068-K094-N-16
10. 200C054K094N1607	TRANSEURO HZ BEAVER C-054-K094-N-16
11. 200C027K094N1603	TRANSEURO BEAVER C-027-K094-N-16
12. 200A019K094N1602	TRANSEURO BEAVER B-019-K094-N-16
13. 200D073K094N1606	TRANSEURO BEAVER D-073-K094-N-16
14. 202B019K094N1600	TRANSEURO BEAVER B-A019-K094-N-16
15. 200C074K094N1602	TRANSEURO ET AL BEAVER B-074-K094-N-16
16. 200A036K094N1600	TRANSEURO ET AL BEAVER B-036-K094-N-16
17. 200D083K094N1602	TRANSEURO ET AL BEAVER A-083-K094-N-16
18. 200D064K094N1603	TRANSEURO BEAVER D-064-K094-N-16

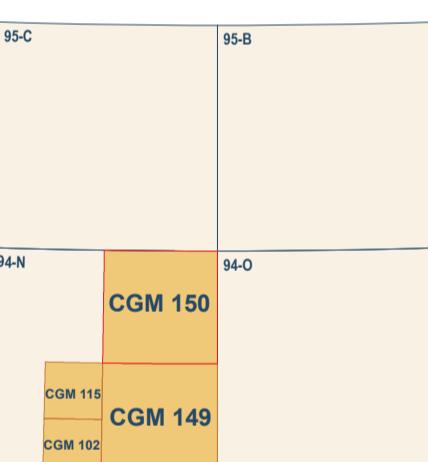
Table 1. List of wells.

Abstract

The Toad River northeast area (NTS 94-N/NE) in western Liard Basin is underlain by a thick Mississippian to Cretaceous clastic-dominated successions deposited in a basin margin setting. Local abrupt changes in the thickness of Permian sandstone-carbonate and chert units indicate episodes of tectonic faulting. A major northeast-trending fold system, the Beaver River Anticline, bounds the basin to the east. The basin margin remained much like the Triassic successions preserved to the southwest. A prominent escarpment capped by Upper Cretaceous Dunvegan sandstone rises above the basin margin in the Liard syncline. To the east, poorly exposed Upper Cretaceous conglomerate, shale, and sandstone outcrop. Gentle folds and thrust faults are common in the west; four prominent, south-plunging anticlines occur near 60°W. Widespread bedrock joints, foliation, the locus of shear structures, and the orientation of their steeper west limb levels. Significant natural gas reserves occur in middle Devonian carbonate beneath the Beaver River Anticline.

Résumé

Le secteur nord-est de la région cartographique de Toad River (SNR 94-N/NE), dans la partie ouest du bassin de Liard, repose sur une épaisse succession du Mississippien au Crétacé dominée par des sédiments déformés par quelques plis de direction nord ou nord-est. Des brusques changements locaux de l'épaisseur d'unités de grès-carbonatés et de cherts indiquent des épisodes de failles tectoniques. Un important plissement, le plissement Beaver River, coupe le bord du bassin à l'est. Une importante escarpe marquée par des falaises en calcaire du Crétacé supérieur, capping le plateau de Dunvegan, domine le bord du bassin. Des déformations superficielles sont courantes dans l'ouest; quatre anticlinaux prononcés à plongement sud sont documentés près de 60°W. Des joints de roche, des foliations, les structures de cisaillement et l'orientation de la bordure ouest sont courantes. Des réserves de gaz naturelles sont présentes dans les strates carbonatées du Dévonien moyen dans les profondeurs de l'Articinal de Beaver River.



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

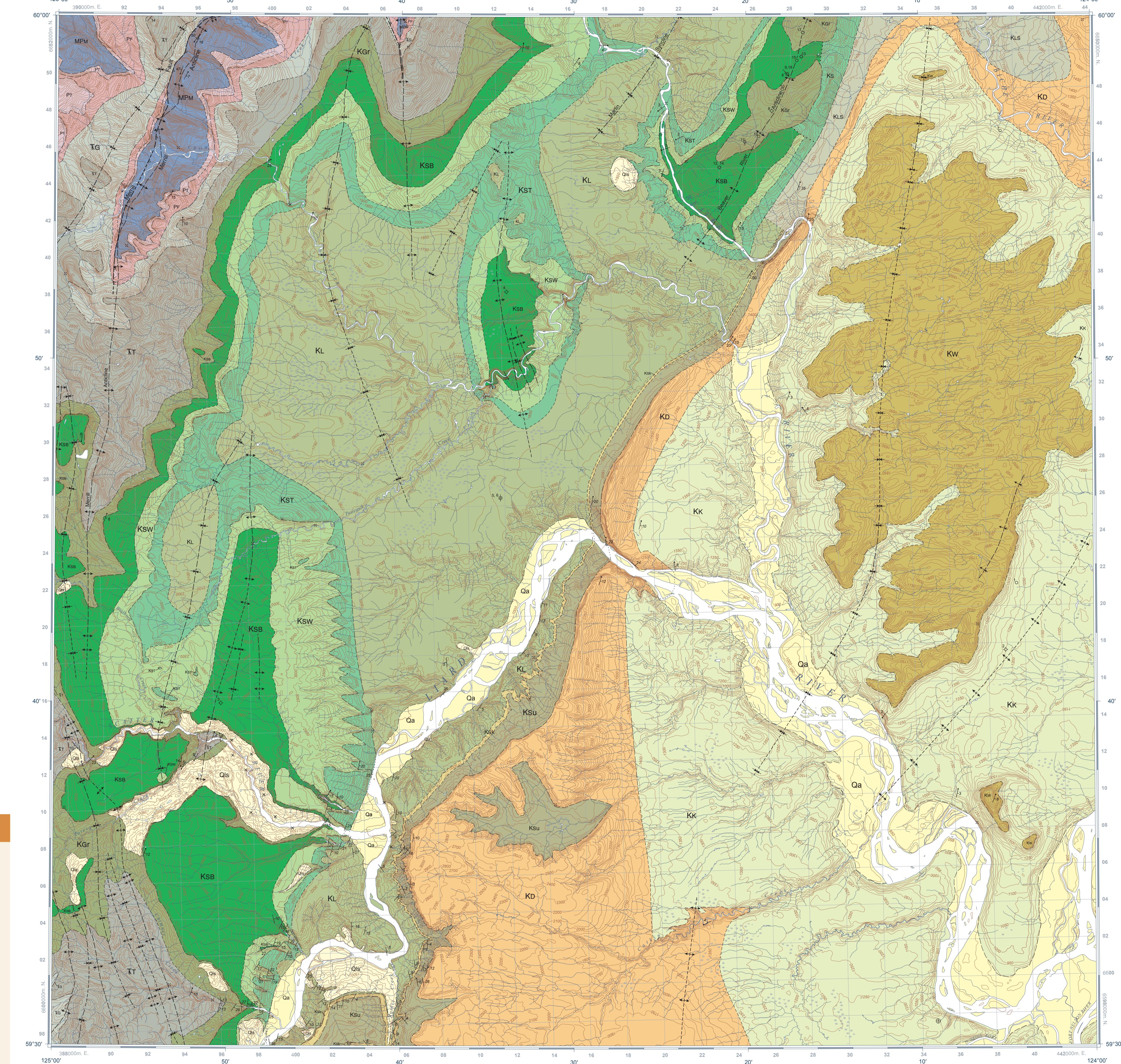
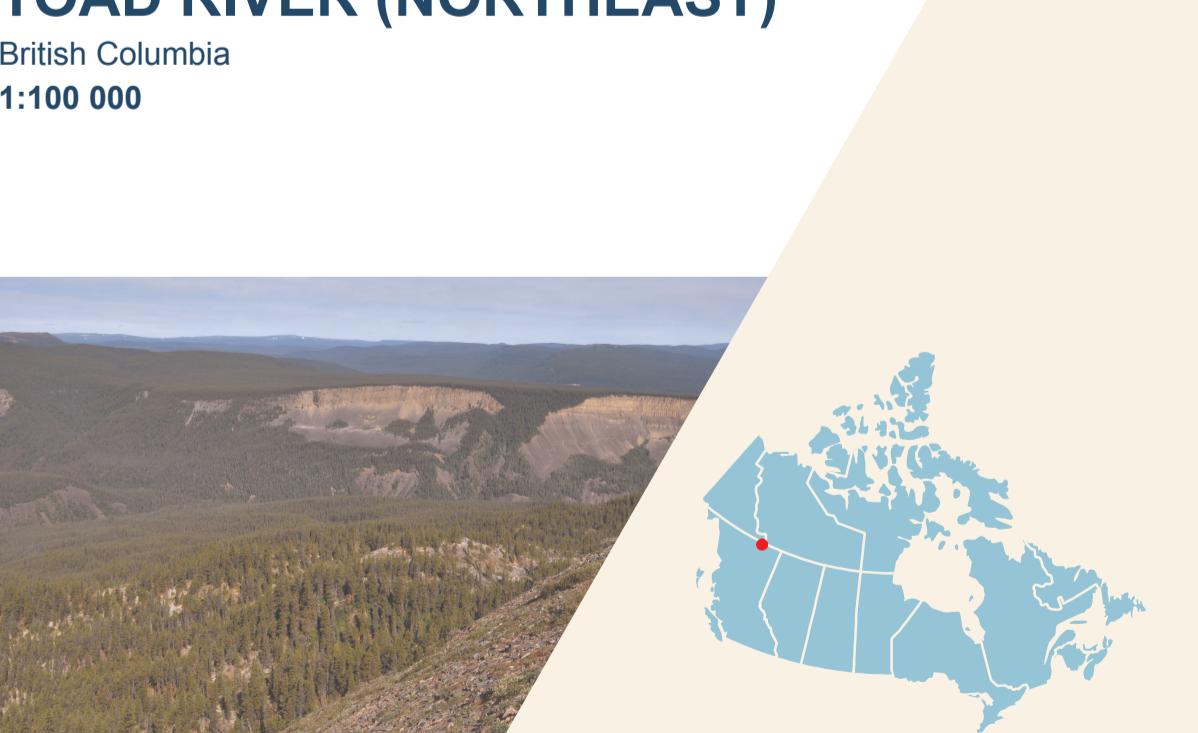
Cover illustration
Gentle folds outlined by resistant sandstone cliffs of the Scatter Formation (Bulwell Member) above Toreva Creek, northeast British Columbia.
Photograph by M.E. McMechan, 2013-259

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CANADIAN GEOSCIENCE MAP 150**GEOLGY****TOAD RIVER (NORTHEAST)**

British Columbia

1:100 000



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. Ferri (2007–2012).

E.D. Kite (2007–2012).

D.J. Stell (2007–2012).

F. Ferri (2007–2012).

and unpublished geological map compilations by Geotex Consultants (1984). P.B. Read, principal compiler for the area, provided geological information from aerial photographs and high resolution orthorectified satellite images by M.E. McMechan.

Geomatics and cartography by T. Konopelko

GEOLOGY

TOAD RIVER (NORTHEAST)

British Columbia

1:100 000

2 0 2 4 6 8 km

Base map at the scale of 1:50 000 from Natural Resources Canada, with modifications. Elevations in feet above mean sea level

Inset map of the Geological Survey of Canada, under the auspices of the Yukon Sedimentary Basins project as part of Natural Resources Canada's Geomapping for Energy and Minerals (GEM) program, and the British Columbia Ministry of Energy, Mines and Natural Resources, Energy, Mines and Strategic Initiatives Branch.

Map projection: Universal Transverse Mercator, Zone 10

North American Datum 1983

Data may include additional observations not shown on this map. Documentation accompanying the data. Additional descriptive notes and references are included in the map information document.

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Geology

TOAD RIVER (NORTHEAST)

British Columbia

1:100 000

2 0 2 4 6 8 km

Mean magnetic declination: 2013–2019E, increasing 22 annually. Readings vary from 20°30'E in the SE corner to 21°10'E in the NW corner of the map.

The Geological Survey of Canada welcomes corrections or additions for scientific application users.

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