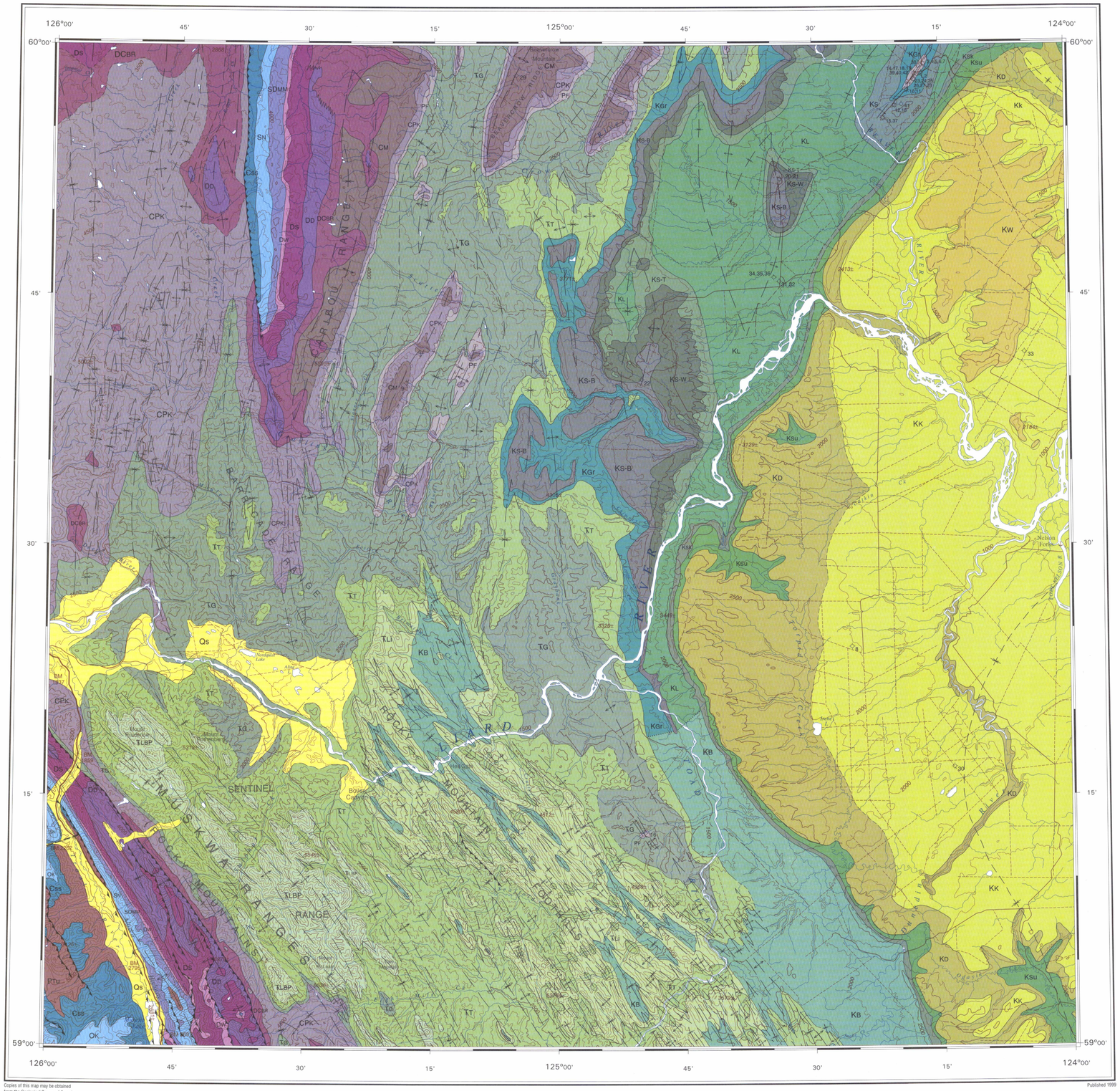
Natural Resources Canada | Ressources naturelles Canada

GEOLOGICAL SURVEY OF CANADA | COMMISSION GÉOLOGIQUE DU CANADA



LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

Qs — *Till, alluvium, colluvium, lake silts*

CRETACEOUS
UPPER CRETACEOUS

Kw — *WAPITI FORMATION* (Maastrichtian): *sandstone, mudstone, coal*

Kk — *KOTANEELEE FORMATION* (Santonian and Campanian): *dark marine shale and siltstone, sandstone; minor conglomerate*

KD — *DUNVEGAN FORMATION* (Cenomanian): *carbonaceous sandstone, massive conglomerate, dark shale*

UPPER AND LOWER CRETACEOUS

Ksu — *SULLY FORMATION* (Albian and Cenomanian): *dark grey sideritic shale*

LOWER CRETACEOUS
FORT ST. JOHN GROUP (Kg-Ksk)

Ksk — *SIKANNI FORMATION: grey sandstone, siltstone, shale*

KL — *LEPINE FORMATION: sideritic, rusty weathering shale*

KS — *SCATTER FORMATION, undivided*

KS-T — *SCATTER FORMATION* (Ks-B-Ks-T) *Tussock Member: grey sandstone, siltstone, shale*

KS-W — *Wildhorn Member: concretionary shale*

KS-B — *Bulwell Member: glauconitic sandstone and siltstone*

KB — *BUCKINGHORSE FORMATION: dark marine shale and siltstone*

KGr — *GARBUTT FORMATION: sideritic, rusty weathering shale*

MESOZOIC

TRIASSIC
UPPER TRIASSIC

TLBP — *LUDINGTON, BALDONNEL AND PARDONET FORMATIONS: dolomitic siltstone, light grey limestone, dark grey limestone*

MIDDLE AND UPPER TRIASSIC

TLI — *LIARD FORMATION: orange-brown dolomite and calcareous sandstone, siltstone; minor limestone*

LOWER AND MIDDLE TRIASSIC

TT — *TOAD FORMATION: dark grey calcareous siltstone and shale; minor fine grained sandstone*

TG — *GRAYLING FORMATION: silver grey, locally calcareous shale; basal fine grained sandstone*

PERMIAN

PF — *FANTASQUE FORMATION: dark grey chert*

CARBONIFEROUS AND PERMIAN

CPK — *KINDLE FORMATION: grey brown, fine grained calcareous sandstone, siltstone, dark grey shale; includes correlatives of Mattson Formation, Stoddard Group and Fantasque Formation*

CARBONIFEROUS
LOWER CARBONIFEROUS

CM — *MATTSON FORMATION: fine and medium grained quartzose sandstone, shale*

DEVONIAN AND CARBONIFEROUS
UPPER DEVONIAN TO LOWER CARBONIFEROUS

DCBR — *BESA RIVER FORMATION: dark grey, pyritic, siliceous shale; minor siltstone*

DEVONIAN
MIDDLE DEVONIAN

DD — *DUNEDIN FORMATION: medium grey, well bedded, fine grained limestone; minor calcarenite*

LOWER AND MIDDLE DEVONIAN

DS — *STONE FORMATION: light grey, very finely crystalline dolomite, dolomite breccia*

LOWER DEVONIAN

DW — *WOKKPASH FORMATION: yellow weathering, fine grained sandstone, dolomite, siltstone; minor solution breccia*

SILURIAN AND DEVONIAN
UPPER SILURIAN AND LOWER DEVONIAN

SDMM — *MUNCHO-McCONNELL FORMATION: medium grey, finely crystalline dolomite; minor shale and sandstone*

SILURIAN
LOWER SILURIAN

SN — *NONDA FORMATION: dark grey, medium crystalline, cherty dolomite; minor white orthoquartzite*

ORDOVICIAN
LOWER ORDOVICIAN

OK — *KECHIKA GROUP: light grey limestone, argillaceous limestone*

CAMBRIAN
LOWER AND (?)MIDDLE CAMBRIAN

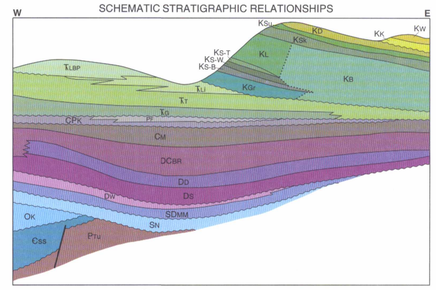
Ess — *red weathering, coarse conglomerate, sandstone; minor limestone*

PALEOZOIC

MESOPROTEROZOIC (HELIKIAN)

PTU — *TUCHODI FORMATION: dolomite, dolomitic siltstone, sandstone, shale*

SCHEMATIC STRATIGRAPHIC RELATIONSHIPS



Unconformity

Geological boundary (defined, approximate, assumed)
Geological boundary (projected under cover)
Fault (displacement unknown; assumed)
Thrust fault (teeth indicate upthrust side; defined)
Thrust fault (teeth indicate upthrust side; projected under cover)
Anticline (approximate, assumed)
Syncline (approximate, assumed)
Line of nomenclature change
Gas well (producer, abandoned)
Water disposal well

SCHEDULE OF WELLS

	WELL ID	WELL NAME	SPUD DATE	SURFACE LOCATION	
1.	200D064K094N1600	MAYAN BEAVER D- 064-K/094-N-16	1/30/58	59.9703	124.2845
2.	200D064K094N1602	MAYAN BEAVER D- 064-K/094-N-16	1/30/58	59.9703	124.2845
3.	200D073K094N1600	MAYAN BEAVER D- 073-K/094-N-16	1/23/61	59.9808	124.2781
4.	200D073K094N1602	MAYAN BEAVER D- 073-K/094-N-16	1/23/61	59.9808	124.2781
5.	200D073K094N1603	MAYAN BEAVER D- 073-K/094-N-16	1/23/61	59.9808	124.2781
6.	200D073K094N1604	MAYAN BEAVER D- 073-K/094-N-16	1/23/61	59.9808	124.2781
7.	200D073K094N1605	MAYAN BEAVER D- 073-K/094-N-16	1/23/61	59.9808	124.2781
8.	200D075E094N0800	IOE DUNEDIN D- 075-E/094-N-08	13/22/63	59.3996	124.4257
9.	200D095F094N1100	SHELL E GRAYLING D- 095-F/094-N-11	2/4/64	59.6630	125.3024
10.	200C045K094N1600	PAN AM BEAVER C- 045-K/094-N-16	3/12/67	59.9550	124.3102
11.	200C045K094N1602	PAN AM BEAVER C- 045-K/094-N-16	3/12/67	59.9550	124.3102
12.	200C027K094N1600	MAYAN BEAVER C- 027-K/094-N-16	3/15/68	59.9394	124.3331
13.	200C027K094N1602	MAYAN BEAVER C- 027-K/094-N-16	3/15/68	59.9394	124.3331
14.	202D064K094N1600	MAYAN BEAVER D- A064-K/094-N-16	7/11/69	59.9723	124.2918
15.	200B019K094N1600	MAYAN BEAVER B- 019-K/094-N-16	9/10/69	59.9270	124.3577
16.	200D057K094N0200	KMCL SHELL TOAD D- 057-K/094-N-02	1/15/70	59.2140	124.8311
17.	202D064K094N1602	MAYAN BEAVER D- A064-K/094-N-16	11/5/70	59.9723	124.2918
18.	202D064K094N1603	MAYAN BEAVER D- A064-K/094-N-16	11/5/70	59.9723	124.2918
19.	202D064K094N1604	MAYAN BEAVER D- A064-K/094-N-16	11/5/70	59.9723	124.2918
20.	200D036H094N1500	AMOCO CHEVRON CROW D- 036-H/094-N-15	2/2/71	59.8666	124.5639
21.	200D036H094N1502	AMOCO CHEVRON CROW D- 036-H/094-N-15	2/2/71	59.8666	124.5639
22.	200D098F094N1000	OAKWOOD IOE ET AL SCATTER D- 098-F/094-N-10	2/23/73	59.6665	124.8579
23.	200C054K094N1600	AMOCO BEAVER C- 054-K/094-N-16	3/28/74	59.9666	124.2966
24.	200C054K094N1602	AMOCO BEAVER C- 054-K/094-N-16	3/28/74	59.9666	124.2966
25.	200C054K094N1603	AMOCO BEAVER C- 054-K/094-N-16	3/28/74	59.9666	124.2966
26.	200C054K094N1604	AMOCO BEAVER C- 054-K/094-N-16	3/28/74	59.9666	124.2966
27.	200C054K094N1605	AMOCO BEAVER C- 054-K/094-N-16	3/28/74	59.9666	124.2966
28.	200C054K094N1606	AMOCO BEAVER C- 054-K/094-N-16	3/28/74	59.9666	124.2966
29.	200B067I094N1400	TPOC CLARK BEAVERCROW B- 067-I/094-N-14	1/2/75	59.9705	125.0872
30.	200A039B094N0800	PETROY ET AL DUNEDIN A- 039-B/094-N-08	1/9/79	59.2788	124.2282
31.	200D016A094N1500	PENN WEST CROW D- 016-A/094-N-15	2/4/79	59.7657	124.5678
32.	200D016A094N1502	PENN WEST CROW D- 016-A/094-N-15	2/4/79	59.7657	124.5678
33.	200B037I094N0900	PCI WESTAR LA JOLIE B- 037-I/094-N-09	1/10/86	59.6923	124.0833
34.	200C016A094N1500	AO&G PCI CROW C- 016-A/094-N-15	3/14/89	59.7665	124.5693
35.	200C016A094N1502	AO&G PCI CROW C- 016-A/094-N-15	3/14/89	59.7665	124.5693
36.	200D016A094N1503	AO&G PCI CROW C- 016-A/094-N-15	3/14/89	59.7665	124.5693
37.	200B019K094N1602	MAYAN BEAVER B- 019-K/094-N-16	4/14/89	59.9270	124.3577
38.	200D064K094N1603	MAYAN BEAVER D- 064-K/094-N-16	6/21/89	59.9732	124.2906
39.	202D064K094N1605	MAYAN BEAVER D- A064-K/094-N-16	2/26/90	59.9723	124.2918
40.	202D064K094N1606	MAYAN BEAVER D- A064-K/094-N-16	1/23/91	59.9723	124.2918
41.	200C027K094N1603	MAYAN BEAVER C- 027-K/094-N-16	1/9/92	59.9394	124.3269
42.	202D064K094N1607	MAYAN BEAVER D- A064-K/094-N-16	1/22/92	59.9723	124.2918

Wells listed in order of spud date

Geological compilation by G.C. Taylor and D.F. Stott, 1979

Geology by G.C. Taylor, D.F. Stott, E.W. Bamber, R.T. Bell and B.S. Norford; 1963-1965

Digital cartography by the Geological Survey of Canada (Calgary)

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Digital base map at the scale of 1:250 000 from Geomatics Canada, Natural Resources Canada, modified for publication by the Geological Survey of Canada

Mean magnetic declination 1999, 26°46' East, decreasing 12.3' annually. Readings vary from 26°11' East in the SE corner to 27°16' East in the NW corner of the map

Elevations in feet above mean sea level

ESIC CIST
JUL 29 1999
Earth Sciences Sector | Secteur des sciences de la Terre

MAP LIBRARY / CARTOTHÈQUE

1955A

Recommended citation:
Taylor, G.C. and Stott, D.F. (compilers)
1999: Geology, Toad River, British Columbia; Geological Survey of Canada, Map 1955A, scale 1:250 000.

Published 1999

Copies of this map may be obtained from the Geological Survey of Canada:
601 Booth Street, Ottawa, Ontario K1A 0E8
3303-33rd Street, N.W., Calgary, Alberta T2L 2A7
101-605 Robson Street, Vancouver, B.C. V6B 5J3

LOCATION MAP

MAP 1955A

GEOLOGY

TOAD RIVER

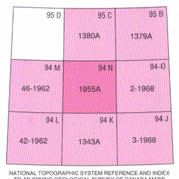
BRITISH COLUMBIA

Scale 1:250 000 - Échelle 1/250 000

Kilometres 5 0 5 10 15 20 Kilometres

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



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

Canada

This map has been produced from a scanned version of the original map
Reproduction par numérisation d'une carte sur papier