



COMPOSITE GEOLOGICAL MAP OF MARION LAKE (94G/3), MOUNT WITHROW (94G/6) AND MINAKER RIVER (94G/11) NORTHEASTERN BRITISH COLUMBIA

Scale 1:50 000 Echelle 1/50 000
 Kilometres 1 2 3 Kilometres
 Universal Transverse Mercator Projection
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- ### LEGEND
- CRETACEOUS**
LOWER CRETACEOUS
FORT ST. JOHN GROUP
Kb BUCKINGHORSE FORMATION - Shale, black with buff weathering albstone and ironstone concretions. Often includes underlying Gething Formation.
Kb-g GETHING FORMATION - Quartz arenite, rusty, and shale, black.
Kc CADOMIN FORMATION - Chert pebble conglomerate and quartz arenite.
- JURASSIC AND CRETACEOUS**
MINNES GROUP
JKM-M MONTEITH FORMATION - Quartz arenite, massive white, or the graded grey, minor shale, black, and argillaceous quartz arenite, and rare chert pebble conglomerate. Commonly includes underlying Fernie Formation, where it is too thin to show at 1:50 000 scale, and may include overlying Gething Formation and/or Cadomin Formation.
JF FERNIE FORMATION - Shale, black rusty and shale, calcareous, grey. Note: this unit is too thin to show at 1:50 000 scale in many places.
- JURASSIC**
TRASSIC
SCHOOL CREEK GROUP
Tb? BOCCOCK FORMATION - Limestone, massive grey cliff forming, fossiliferous;
TbP BALDONCK AND PARONET FORMATIONS - Paronnet Formation: Limestone, grey to brownish grey, massive flaggy, fossiliferous, shaly and shaly, minor silty shale. Baldonck Formation: Limestone, massive light grey cliff forming, fossiliferous.
Tp PARONET FORMATION - Limestone, massive flaggy, fossiliferous, shaly and shaly; abundant Monasteria petriolites and a characteristic Balthasar, Diabasis, brachiopods and trilobite bones are locally preserved.
Td BALDONCK FORMATION - Limestone, massive grey cliff forming, fossiliferous with minor shale; abundant quartz arenite and argillaceous limestone. Rare chert nodules and lenses.
Tc CHARLIE LAKE FORMATION - Siltsstone, calcareous, orange weathering, silty dolomite, silty limestone; minor limestone, argillite shale, quartz arenite, and carbonate breccia.
Tl LIARD FORMATION (Halfway Fin - subsurface) - Quartz arenite, massive, buff bedded, forming more scale than units; interstratified with meta-sable calcareous quartz arenite and limestone.
Tgt TOAD - GRAYLING FORMATION (Big and Montney Fms. subsurface) - Shale, calcareous, brown-grey weathering, interbedded with units of silty, brown weathering fine grained limestone. More calcareous in the upper part. More phosphatic in the lower part.
- CARBONIFEROUS**
STODDART GROUP
CSG STODDART GROUP: (may include Fanteque Formation) - Black massive chert and recessive shale.
CRD RUNDLE GROUP
PROPHECY AND DEBOLT FORMATIONS - Limestone, beds < 1 m thick, chert nodules, brown weathering fine grained limestone. Equivalent to Prophet Formation units B and C to the northeast.

- ### MAP SYMBOLS
- Geological boundary (dashed, approximate, assumed)
- LOCAL STRUCTURES**
FLYWAY STRUCTURES
 Bedding top (arrow shaded, overturned, vertical, horizontal)
 Cleavage or foliation (dashed)
- REGIONAL STRUCTURES**
 Thrust fault (bevel indicates dip direction; defined, approximate, assumed)
 Fault (arrow not defined)
 Anticline (dashed, approximate, assumed)
 Archlike (bevel in same direction, arrow on arrowhead indicates approximate, assumed)
 Syncline (bevel in opposite direction, arrow on arrowhead indicates approximate, assumed)
 Syncline (dashed, approximate, assumed)
 Overturned anticline (dashed, approximate, assumed)
 Overturned syncline (dashed, approximate, assumed)
- OTHERS**
 Fault locality
 Well (any position; gas indicated underground, untested)
 Gas field boundary

LIST OF WELLS - 94G/11

UWID	FULL NAME	REG. RELEASE	SURFACE LOCATION (6 digits Northings)
1 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986
2 20000000000000	HOWE ET AL. SHANLEY A. 001-10084-01	20 Jun 1982	48986 48986
3 20000000000000	POCKETKNIFE, SHANLEY C. 001-10084-01	20 Jun 1982	48986 48986
4 20000000000000	POCKETKNIFE, SHANLEY C. 001-10084-01	20 Jun 1982	48986 48986

LIST OF WELLS - 94G/06

UWID	FULL NAME	REG. RELEASE	SURFACE LOCATION (6 digits Northings)
1 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986
2 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986
3 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986
4 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986

LIST OF WELLS - 94G/03

UWID	FULL NAME	REG. RELEASE	SURFACE LOCATION (6 digits Northings)
1 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986
2 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986
3 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986
4 20000000000000	SHANLEY, MARION R. 001-10084-01	20 Jun 1982	48986 48986

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Geological cartography by S.J. Hinds
 Any redaction or additional geological information from the user would be welcomed by the Geological Survey of Canada
 Base maps at the same scale published by Survey and Mapping Branch in 1971

- #### NOTES:
- Base map and geology have been transformed from NAD27 (North American Datum 1877) to NAD83.
 - Pembin Fanteque Formation is normally present beneath the sub-Triassic unconformity, but is too thin to map at this scale.

Copies of this map are available from:
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94G/12	94G/11	94G/10
Richard Creek	Minaker	Trush
94G/05	94G/04	94G/07
Marion Lake	Mount Withrow	Cypress Creek
94G/08	94G/09	94G/02
Mount McArthur	Marion Lake	Pink Mountain
94G/01	94G/03	94G/06

OPEN FILE
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 3879
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 OTTAWA
 DEC 2000

NATIONAL TOPONYMIC OFFICE (NTO) AND NAD83
 2000 Composite geological map of Marion Lake (94G/3), Mount Withrow (94G/6) and Minaker River (94G/11), northeastern British Columbia. Geological Survey of Canada Open File 3879, 1:50,000 scale.

