has not been edited for conformity with

Geological Survey of Canada standards.

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX

TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

KB-G GETHING FORMATION - Quartz arenite, rusty; and shale, black. BEATTIE PEAKS FORMATION - interbedded fine-grained sandstone and shale (marine, may possibly include Monach Formation equivalents) 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 Formation, where it is too thin to show at 1:50 000 scale, and may include overlying Gething Formation and/or Cadomin Formation. 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. PARDONET FORMATION - Limestone, recessive flaggy, fossiliferous, shaly and silty; abundant Monotid pelecypods are a characteristic feature; bivalves, brachiopods and ichtheosaur bones are locally preserved. BALDONNEL FORMATION - Limestone, massive grey cliff forming, fossiliferous; with minor shale; siltstone; quartz arenite; and argillaceous limestone. Rare chert nodules and lenses. CHARLIE LAKE FORMATION - Siltstone, calcareous, orange weathering, dolomite, silty dolomite, silty limestone; minor limestone, argillite shale, LIARD FORMATION (Halfway Fm - subsurface) - Quartz arenite, massive, thick bedded, forming metre scale thick units; interstratified with metre TOAD - GRAYLING FORMATION (Doig and Monteney Fms. subsurface) Shale, calcareous, brown-grey weathering, interbedded with units of shaly, brown weathering fine grained limestone. More calcareous in the upper part. More phosphatic in the lower part.

				RIG	SURFACE LOCATION
	UWID		FULL NAME	RELEASE	(Easting, Northing)
	· · · · · ·				,
	200C098L094G0300	SOBC HB	TRIMBLE C- 098-L/094-G-03	19 Jan 1962	471439 6345310
)	200D073I094G0300	RANGER	SIKANNI D- 073-I/094-G-03	01 Aug 1982	498274 6343237
1	200A0321094G0300	RANGER	SIKANNI A- 032-I/094-G-03	30 Oct 1982	499110 6339011
Ĺ	200D053l094G0300	RANGER	SIKANNI D- 053-I/094-G-03	08 Aug 1983	498285 6341317
,	200C093I094G0300	RANGER	SIKANNI A- 094-I/094-G-03	18 Jul 1985	497707 6344751
3	200C054G094G0300	REMINGTON	MARION C- 054-G/094-G-03	19 Dec 1986	489558 6331950
,	200C041I094G0300	RANGER	SIKANNI C- 041-I/094-G-03	20 Feb 1989	499285 6340276
3	200A063H094G0300	HUSKY	SIKANNI A- 063-H/094-G-03	01 Feb 1993	498233 6332562
)	200A095H094G0300	RANGER	SIKANNI D- 094-H/094-G-03	24 Jan 1994	497650 6335819
0	200D055H094G0300	HUSKY	SIKANNI D- 055-H/094-G-03	30 Jan 1994	496692 6332106
1	200B062I094G0300	RANGER	SIKANNI D- 052-I/094-G-03	21 Aug 1994	498930 6341495
2	200C045L094G0302	AMOCO	W SIKANNI D- 046-L/094-G-03	13 Nov 1994	473224 6340213
3	200A057H094G0300	RANGER NUM	MAC SIKANNI A- 057-H/094-G-03	27 Jan 1995	495227 6331702
4	200C0061094G0300	RANGER	SIKANNI D- 005-I/094-G-03	28 Jun 1995	496737 6336465
5	200C054J094G0300	HUSKY	SIKANNI C- 053-J/094-G-03	23 Feb 1997	490215 6341205
6	200B041H094G0300	KAISER	SIKANNI D- 041-H/094-G-03	25 Jul 1997	499722 6330937

Geology by M.P. Cecile, based on fieldwork conducted during 1998.

Geology from field work by M.P. Cecile 1996, 1998. With contributions from: J.P. Restoule and T.C. Ziebell, Murphy Oil; M. McDonough, Husky Oil; Tara Brekko, Bob Moore, Michelle Pelletier, and Marcia Rempe, Crestar Energy; and Scott Carter, student assistant. Mapping was carried out as part of field work for the GSC Central Foreland Project in 1996 and 1998. Most of the helicopter support for the mapping in 1996 was provided by Murphy Oil; and in 1998 by the Geological Survey of Canada and some by Crestar Energy in support of training for their employees.

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

Base map and geology have been transformed from NAD27 (North American Datum 1927) to NAD83. Although every effort has been made to ensure accuracy, this Open File Report has not been edited

> Cecile M.P.. 1999: Preliminary Geology of the Marion Lake map area (94G/03), Geological Survey of Canada Open File 3736, scale 1:50 000