GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

W

G1. SOUTH AND SOUTHEAST FLANK OF BARN MNTS. (68°20′N; 138°21′W).
TOP NOT REACHED

Sonneratia s. lato sp. A

2200′

Inoceramus cf. *neocomiensis*

3100′

FLYSCH EQUIVALENT OF UPPER SANDSTONE DIVISION

MAJOR FAULT

UPPER SHALE-SILTSTONE DIVISION

Simbirskites cf. *kleini*

PREDOMINANTLY LITTORAL EQUIVALENT OF COALY AND WHITE QUARTZITE DIVISIONS

Buchia keyserlingi

BLUE-GREY SHALE DIVISION

EQUIVALENT OF LOWER SANDSTONE DIVISION

Buchia n. sp. aff. *volgensis*

1700′ HUSKY SHALE (restricted)

?*Praetollia maynci*

UNNAMED UPPER JURASSIC SANDSTONE

Buchia ex. gr. *mosquensis*

Buchia concentrica

KINGAK SHALE (restricted)

Inoceramus ex.aff. *retrorsus*

Retroceramus aff. *menneri*

Pseudodicoelites sp.

MAJOR FAULT

Pseudolioceras mcclintocki

Dactylioceros sp.

Amaltheus sp.

? *Arctoasteroceras* sp.

HIATUS CORRESPONDING TO MOST OF SINEMURIAN, HETTANGIAN TRIASSIC AND MOST OF PALAEOZOIC TIME

EARLY PALAEOZOIC

G2. EAST SIDE OF BLOW PASS AND HEADWATERS OF RAPID CREEK (68°14′N; 137°27′W).

ALBIAN FLYSCH

TOP NOT REACHED

MAJOR FAULT

Aucellina aptiensis

Tropaeum sp.

2,000′ +

Simbirskites sp.

COALY AND WHITE QUARTZITE DIVISIONS

BLUE GREY SHALE DIVISION

Polyptychites stubbendorfi

Buchia n. sp. aff. *volgensis*

1700′ HUSKY SHALE

Buchia okensis

Buchia fischeriana

Buchia piochii

Buchia mosquensis

UNNAMED UPPER JURASSIC SANDSTONE

Buchia concentrica

MAJOR FAULT

KINGAK SHALE (restricted)

UNCONFORMITY

? *Psiloceras* (s.lato)sp.

LATE PALAEOZOIC

G3. WESTERN HEADWATERS OF CACHE CREEK (68°25′N; 136°11′W).

ALBIAN SHALE-SILTSTONE DIVISION

ALBIAN ROCKS ERODED

HIATUS (latest Aptian orogeny

UPPER SANDSTONE DIVISION

TOP NOT REACHED

UPPER SHALE SILTSTONE DIVISION

HIATUS

Buchia cf. *volgensis*

UPPER HUSKY (tongue)

HUSKY SHALE

Buchia concentrica

LOWER HUSKY (tongue)

1000′

UPPER BUG CREEK

KINGAK SHALE (restricted)

BASE COVERED

HETTANGIAN AND SINEMURIAN SHALES

UNCONFORMITY

PERMIAN

G4. EAST OF CANOE LAKE GRIZZLY GORGE (68°16′N; 135 °43′W).

TOP NOT REACHED

UPPER SHALE SILTSTONE DIVISION

Simbirskites cf. *kleini*

Simbirskites sp.

MARINE EQUIV. OF COAL BEAR. DIV.

SHALE EQUIV OF LOWER SS. DIV.

Buchia n.sp.aff. *inflata*

LOWER SANDSTONE DIVISION

Buchia piochii

HUSKY SHALE

Buchia mosquensis

Buchia concentrica

UPPER BUG CREEK

HIATUS CORRESPONDING TO PLIENSBACHIAN TO LOWER BAJOCIAN TIME (nondeposition or pre-Upper Bug erosion)

LOWER BUG CREEK FM.

UNCONFORMITY CORRESPONDING TO HETTANGIAN AND MOST OF SINEMURIAN TIME

PERMIAN

G5 AKLAVIK RANGE LOWER DONNA RIVER-LOWER MARTIN CREEK. (68°13′N; 135°28′W).

TOP NOT REACHED

Tropaeum sp.

Ancyloceras cf. *durrelli*

Simbirskites cf. *kleini*

COAL-BEARING DIVISION

Buchia n.sp.aff. *inflata*

Buchia keyserlingi

Buchia n.sp.aff. *volgensis*

Buchia n. sp. aff. *volgensis*

Buchia okensis

Buchia fischeriana

Buchia piochii

Buchia mosquensis

Buchia concentrica

Cadoceras spp.

UPPER BUG CREEK

Arctoasteroceras jeletzkyi

PERMIAN

E

LEGEND

- Mainly deep water pebble conglomerate
- Mainly flyschoid (deep water) siltstone, shale and greywacke.
- Mainly nonmarine (deltaic to alluvial) sandstone and siltstone.
- Mainly littoral to beach sandstone.
- Mainly littoral to inner neritic sandstone.
- Mainly sandy to pure. neritic siltstone.
- Mainly outer neritic and ? upper bathyal shale and siltstone.
- Mainly interbedding of sandstone, grit and pebble conglomerate (beach to piedmont facies).
- Mainly interbedding of sandy to pure neritic siltstone with fine grained littoral to nonmarine sandstone.
- Mainly nonmarine (paludal to deltaic) coaly sandstone with considerable interbeds of coaly shale and siltstone and some thin interbeds of impure coal

2000′
1000′ Vertical scale (feet)
0

MFM

FIG. 8 Jurassic and Lower Cretaceous profile G1 to G5 from the southeastern slope of Barn Mountains across Blow Pass and Northern Richardson Mountains to lower Donna River on the west side of Mackenzie Delta, Nouthern Yukon and Northwestern Mackenzie District, N.W.T. . Approximate direction and geographical position of the profile is indicated in Figure 1.

To accompany Paper 74-16 J.A. Jeletzky

This document was produced by scanning the original publication.
Ce document est le produit d'une numérisation par balayage de la publication originale.

Printed by the Surveys and Mapping Branch 1974