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PAPER 69-8

# ORDOVICIAN AND SILURIAN BIOSTRATIGRAPHY OF THE SOGEPET-AQUITAINE KASKATTAMA PROVINCE No. 1 WELL, NORTHERN MANITOBA

(Report and 11 figures)

B. S. Norford



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ABSTRACT

Nine faunal assemblages and a barren interval can be recognized in the Ordovician and Silurian successions penetrated by a deep well in northern Manitoba. The nine assemblages span the interval from late Caradoc to late Llandovery or early Wenlock time but a hiatus is probably present between the Ordovician and Silurian, corresponding to an unconformity beneath the Severn River Formation in the Hudson Bay Lowlands.

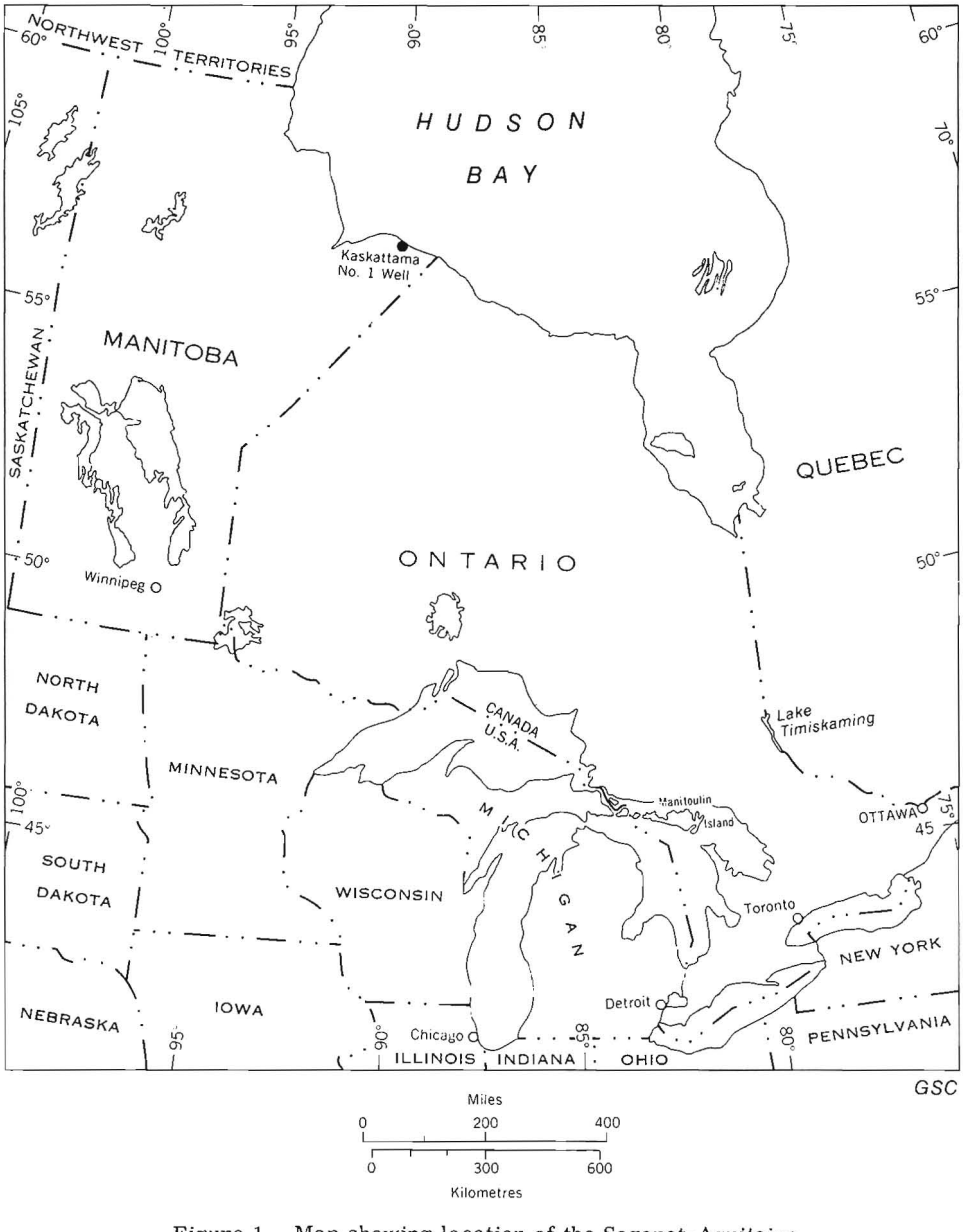



Figure 1. Map showing location of the Sogepet-Aquitaine Kaskattama Province No. 1 Well.

# ORDOVICIAN AND SILURIAN BIOSTRATIGRAPHY OF THE SOGEPET-AQUITAINE KASKATTAMA PROVINCE NO. 1 WELL, NORTHERN MANITOBA

## INTRODUCTION

A deep well was drilled in the northern part of the Hudson Bay Lowlands in 1966 and 1967 (Fig. 1). The well penetrated to the Precambrian basement and core was taken almost continuously from the top of the Silurian Attawapiskat Formation to the Precambrian. The core was sampled for macrofossils and, after a preliminary study (Nelson and Johnson, 1969; Johnson and Nelson, 1969), the macrofossils were presented to the Geological Survey of Canada by the Aquitaine Company of Canada, Limited, by arrangement with the Manitoba Department of Mines and Natural Resources. Biostratigraphic study of these fossils has now been completed and the zonation achieved is presented in advance of a more comprehensive study that will include data from collections made from outcrops throughout the Hudson Bay Lowlands in addition to the present subsurface material.


### Acknowledgements

The co-operation and aid of R. Bonafoux of Aquitaine Company of Canada, Limited, and W.W. Taylor of Banff Oil, Limited, is gratefully acknowledged. Devonian fossils have been identified by A.E.H. Pedder, Geological Survey of Canada, and by J. Le Fevre, Société Nationale des Pétroles d'Aquitaine. Drafts of parts of the manuscript have been critically read by T.E. Bolton, M.J. Copeland, L.M. Cumming and A.W. Norris, all of the Geological Survey of Canada.


## LITHOSTRATIGRAPHIC UNITS

The study of Ordovician and Silurian outcrops throughout the Hudson Bay Lowlands by Cumming and Norford in 1967, and the assessment of available subsurface data, resulted in the selection of the following map-units (in descending order) that were adopted by Norris, Sanford and Bostock (1967). None of the formations are new and, although several other units have been proposed by various authors, they cannot be mapped as readily over the whole area.

| | |
|---|---|
| Kenogami River Formation (lower, middle and upper members) | Martison 1953 |
| Attawapiskat Formation | Savage and Van Tuyl, 1919 |
| Ekwan River Formation | Savage and Van Tuyl, 1919 |
| Severn River Formation | Savage and Van Tuyl, 1919 |
| Churchill River Group | Nelson, 1963 |
| Bad Cache Rapids Group | Nelson, 1963 |

Manuscript received: August 28, 1969
Address of author: Institute of Sedimentary and Petroleum Geology, Calgary, Alberta

Several recent publications (Norris and Sanford, 1968, 1969; Norris, Sanford and Bostock, 1967; Sanford, Norris and Bostock, 1968) have included preliminary summaries of Ordovician and Silurian stratigraphy. None of the manuscripts of these publications were reviewed by Norford and some of the conclusions concerning Silurian rocks may be in error. For example, there is very little faunal evidence for the Attawapiskat being the same age as the Guelph Formation of southern Ontario. The Attawapiskat Formation may be, in part, the facies equivalent of the lower part of the Kenogami River Formation rather than being wholly older.

A thin, basal sandstone of the Bad Cache Rapids Group rests on the Precambrian, the rest of the Group consists of light grey-weathering, mottled limestones and dolomitic limestones. Outcrops of the carbonate rocks of the Churchill River Group are lithologically similar to those of the Bad Cache Rapids Group but most outcrops weather mottled light grey and pale yellowish brown.

The basal beds of the Severn River Formation are pale greyish orange-weathering, dolomitic limestones and dolomites. In the very few outcrops that show the Ordovician-Silurian contact the Severn River rests with apparent conformity on Ordovician rocks but, at Hawley Lake, on the Winisk River, and on the coast at Churchill, the Severn River rests with profound unconformity on Precambrian rocks. No Silurian rocks have yet been dated as older than Middle Llandovery and an unconformity is assumed to be present beneath the Severn River Formation throughout the Hudson Bay Lowlands.

The Severn River Formation is a heterogeneous assemblage of limestones, dolomitic limestones and, in the subsurface, also anhydrite. Many of the limestones are burrowed and mottled, some are layered and mounded by algae, others are flat-pebble conglomerates. Biogenic limestones are present but not very common. Limestones largely composed of ostracod fragments are typical of Severn River lithology.

Outcrops of the Ekwan River Formation generally lack the algal layering and mottling so common in the Severn River Formation. Biogenic calcarenites are very common and locally biostromal beds are developed in the uppermost part of the formation. Several rock types are common to the Severn River and Ekwan River Formations and there is difficulty in some exposures in deciding to which formation a particular outcrop should be assigned. Similar difficulty is encountered in the Kaskattama Well where the boundary between the two formations is somewhere within the interval 1,388 to 1,422 feet.

The Attawapiskat Formation is a swarm of limestone bioherms developed on the flanks of the Cape Henrietta Maria Arch and westward in the subsurface into Manitoba. The bioherms are basically algal and stromatoporoid frameworks with accessory corals, brachiopods, bryozoans and cephalopods, that occur mainly in pockets within the reef framework. The frameworks are flanked by detrital limestones with large depositional dips that flatten away from the bioherms. Thin-bedded dolomites of the basal Kenogami River Formation are present laterally between some patch reef

complexes on the Severn River and such beds are probably the lateral equivalents of the reefs. An alternative explanation is that the Kenogami River Formation is entirely younger than the Attawapiskat and was deposited on top of the limestone bioherms that formed a surface of considerable local relief. On the Severn River, however, beds of the lower member of the Kenogami River Formation appear to grade laterally into reef-flank deposits and, on the Little Current River, the member rests directly on the Ekwan River Formation. At the latter locality, the Attawapiskat Formation is not developed and Attawapiskat time is probably represented by part of the lower member of the Kenogami River Formation.

The Attawapiskat Formation is well developed in the Kaskattama Well and is between 278 and 322 feet thick. Samples were not recovered between 1,250 and 1,294 feet and the Attawapiskat-Ekwan River contact is within this interval.

The Kenogami River Formation can be divided into three members. The lower and upper members consist of thinly bedded dolomites and dolomitic limestones that weather yellowish grey, greyish orange and very pale orange. They are separated by a thick middle member composed of reddish brown and greenish grey, silty and dolomitic mudstones with minor amounts of quartz siltstones and sandstones. Interbedded anhydrite and gypsum are common in the Kaskattama Well but do not outcrop. In the well, the position of the top of the Kenogami River Formation is uncertain. A study of well cuttings and core indicates the top of the formation to be at 411 feet, overlain by carbonate rocks that are lithologically different from the nearest known outcrops of the upper member. However, those outcrops are on the Albany River, about 500 miles southeast of the well and significant facies changes could be expected within such a distance. The carbonate rocks could represent part of the upper member. Nevertheless, they are more likely to be part of the Devonian succession because tentaculitid fossils have been reported from the interval 398 to 399 feet and are thought to be similar to forms present higher in the well, in rocks of probable Middle Devonian age (Nelson and Johnson, 1969, p. 443). The carbonate rocks are probably part of the Devonian Stooping River Formation.

## BIOSTRATIGRAPHIC UNITS

The rocks penetrated by the well are abundantly fossiliferous but the random sampling supplied by the narrow core does not give material complete enough to allow precise specific identifications of many taxa. Generic identifications are possible for many fossils and the interval 411 to 2,913 feet can be divided into ten divisions (A-J) based primarily on generic assemblages. Figures 3 to 11 show details of the occurrences of the taxa within the faunal divisions of the well.

Division A (depth 2,590 to 2,913 feet), Thaerodonta is common in this division which lacks Bighornia, Lobocorallium and Palaeofavosites. Correlation is with the Bad Cache Rapids Group of the northern Manitoba outcrops. No faunal differentiation between the equivalents of the Portage Chute and Surprise Creek Formations can be achieved.

Division B (depth 2,299 to 2,589 feet). The base of the division is picked at the lowest occurrence of Bighornia. Important genera include:

| | |
|---|---|
| Bighornia | Lobocorallium |
| Deiracorallium | Palaeophyllum |
| Favistina | Catenipora |
| Palaeofavosites | Plaesiomys |
| Thaerodonta | |

The interval can be correlated with the Churchill River Group of the outcrops of northern Manitoba. The present study does not allow faunal differentiation between the correlates of the Caution Creek and Chasm Creek Formations described by Nelson. However, the upper part (depths 2,299 to about 2,381 feet) is somewhat distinct from the remainder of Division B and includes Palaeofavosites cf. P. okulitchi Stearn, Phaulactis stummi Nelson and a distinctive but unidentified genus of strophomenid brachiopods. This upper part is equivalent to the upper part of the Chasm Creek Formation, probably Member 3.

Division C (depth 2,190 to 2,293 feet). The upper part of this division is sparsely fossiliferous; the highest diagnostic fossils are at 2,260 feet. The fauna is characterized by:

Angopora cf. A. manitobensis Stearn
solitary corals with dissepiments
? Megamyonia cf. ? M. nitens (Billings)
absence of large pentamerid brachiopods
absence of Bighornia

Correlation is with the Stonewall Formation of southern Manitoba that is probably of latest Ordovician age. The division appears to be younger than the uppermost beds of the Churchill River Group as described from the outcrops of northern Manitoba by Nelson (1963, 1964).

Division D (depth 2,002 to 2,185). The interval is characterized by the distinctive brachiopod Virgiana decussata and is thought to be Middle Llandovery in age (following Berry and Boucot, in press). Important taxa include:

| | |
|---|---|
| Asthenophyllum sp. | Alispira sp. |
| "Neozaphrentis" cf. N. hindi Stearn | "Atrypa" aff. "A" parksi Williams |
| Favosites sp. | "Camaroteochia" cf "C". indianense |
| Palaeofavosites sp. | (Hall) |
| Multisolenia confluens Stearn | Virgiana decussata (Whiteaves) |
| Heliolites sp. | Eophacops sp. |

Correlation is with the Dyer Bay Member of the Cabot Head Formation of southern Ontario, with the Lime Island Dolomite of northern Michigan, and with the Fisher Branch Dolomite of southern Manitoba. A hiatus may be present in the well between divisions D and C for there is no faunal evidence of any Lower Llandovery rocks.

Division E (depth 1,695 to 1,995 feet). This is basically the zone of Plectatrypa lowi and "Camarotoechia" winiskensis. Important elements of the fauna include:

| | |
|---|---|
| Synamplexoides sp. | ? Meristina sp. |
| Favosites cf. F. favosus (Goldfuss) | ? Fardenia sp. |
| Multisolenia sp. | ? Howellella sp. |
| Propora sp. | "Camarotoechia" cf. "C" |
| Catenipora sp. | winiskensis Whiteaves |
| Cystihalysites sp. | Plectatrypa lowi (Whiteaves) |
| Eostropheodonta sp. | Scutellum sp. |

The interval possibly can be divided at 1,775 feet; below this horizon all the halysitid corals are Catenipora, above they are all Cystihalysites, but this may be a local phenomenon. The division is early Late Llandovery in age and can be correlated with the Wabi Formation of Lake Timiskaming, with the Mindemoya Formation of southern Ontario, with part of the Hendricks Dolomite of northern Michigan, and with the Atikameg Dolomite of southern Manitoba.

Division F (depth 1,381 to 1,692 feet). The fauna of this interval includes:

| | |
|---|---|
| Pteroleperiditia sp. | ? Glassia cf. G. variabilis Whiteaves |
| Favosites cf. F. favosus (Goldfuss) | Eospirifer sp. |
| Multisolenia sp. | ? Atrypa sp. |
| Cystihalysites sp. | aff. Rhynchotreta sp. |
| Synamplexoides sp. | Howellella sp. |

This is a Late Llandovery assemblage and the absence of Pentamerus indicates an early Late Llandovery age. Pteroleperditia is found in the Hendricks Dolomite of northern Michigan and Division F can be correlated with the upper part of that formation, with the lower part of the Fossil Hill Formation of southern Ontario, with the Thornloe Formation of Lake Timiskaming, and possibly with the East Arm Dolomite of southern Manitoba.

Division G (depth 1,379 to 1,380 feet). This thin interval marks the occurrence in the well of the large and distinctive ostracod Dihogmochilina latimarginata (Jones) that is widespread in outcrops in the Hudson Bay Lowlands. It also separates Late Llandovery faunas with ?Pentamerus from those of Division F that lack Pentamerus. D. latimarginata was described from the East Arm Dolomite of southern Manitoba, is known also from the lower part of the Cedar Lake Dolomite of the same region, and from the Hendricks Dolomite of northern Michigan.

Division H (depth 1,298 to 1,378 feet). The assemblage includes a coral fauna similar to the Late Llandovery coral faunas of British Columbia:

aff. Ptychophyllum sp.
Favosites sp.
Coenites aff. C. laminatus (Hall)
?Pentamerus sp.
Cystihalysites sp.
Cystihalysites aff. C. compactus (Rominger)
Cystihalysites cf. C. magnitubus (Buehler)

The pentamerid brachiopod is represented only by fragments but is almost certainly Pentamerus, a genus characteristic of Late Llandovery time. The age is Late Llandovery; correlation is with the upper part of the Cedar Lake Dolomite of the outcrops of southern Manitoba, the Fossil Hill and Thornloe Formations of southern Ontario and Lake Timiskaming, and the Schoolcraft Dolomite of northern Michigan.

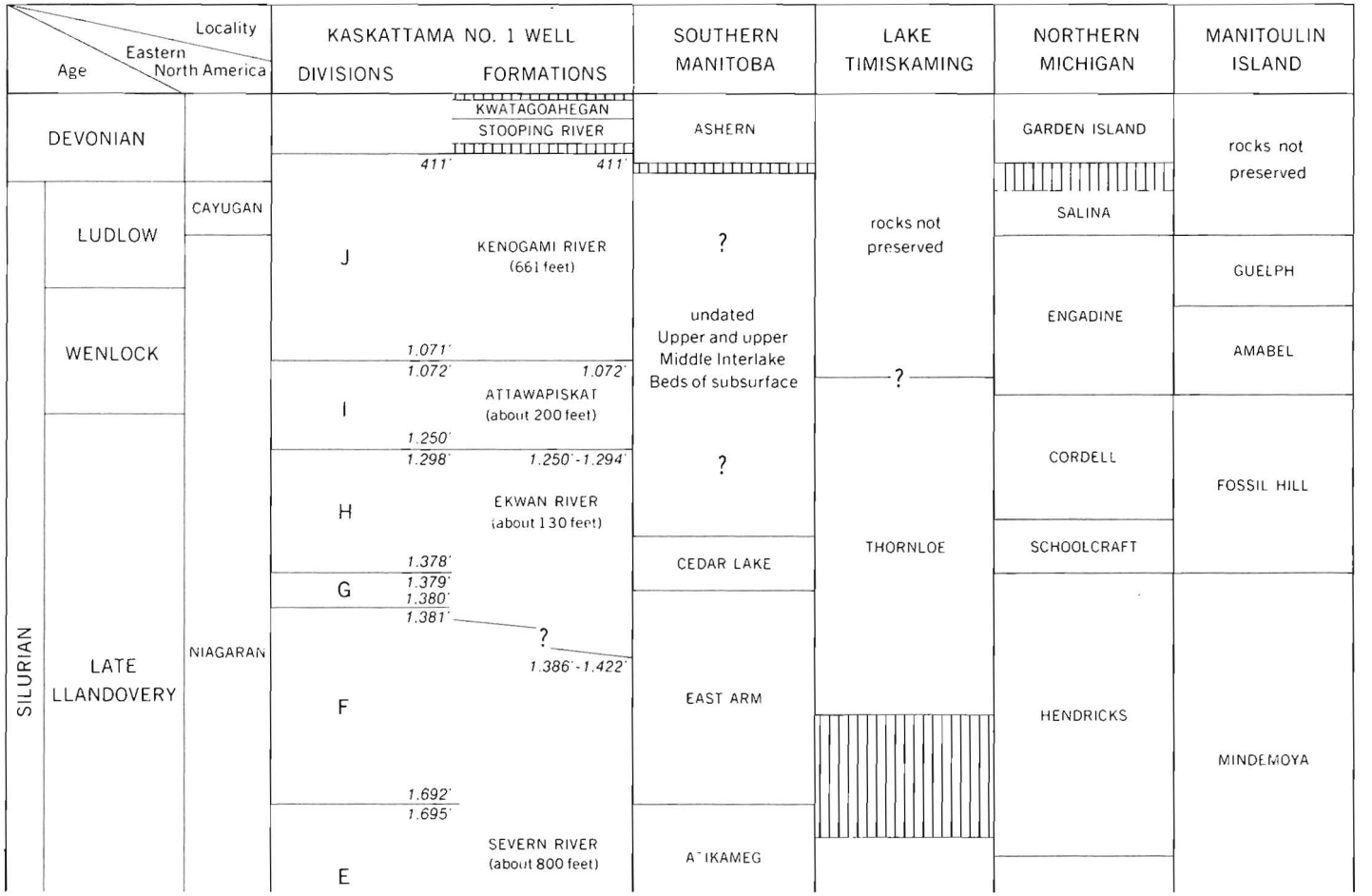
Division I (depth 1,072 to 1,250 feet). The major constituents of the fauna are algae and stromatoporoids. Quantitatively minor items of the fauna that are significant for correlation include:

Palaeocyclus sp.
Coenites aff. C. laminatus (Hall)
Syringopora cf. S. verticillata Goldfuss
Favosites cf. F. favosus (Goldfuss)
Pentameroides cf. P. expansa (Whiteaves)
Heliolites sp.
Cystihalysites cf. C. magnitubus (Buehler)
Solenohalysites sp.

The coral fauna is typical of the uppermost Llandovery or lower Wenlock. Hill (1959, p. 153) considered Palaeocyclus to be an index fossil for Late Llandovery time. The only other reported occurrences of Solenohalysites are of Wenlock and Ludlow ages and the genus, as yet, is not known from the widely distributed Late Llandovery coral faunas of the Western Cordillera. The genus Pentameroides ranges from uppermost Llandovery through the Wenlock and is present in the Reynales, Fossil Hill, Thornloe, and Amabel Formations of Ontario and the Cordell Dolomite of Michigan. The first appearance of the genus is later than that of Pentamerus (see Division H) which also begins in Late Llandovery time. The age of Division I is early Wenlock or latest Llandovery; correlation is with the Cordell Dolomite of northern Michigan.

Division J (depth 411 to 1,071 feet) is a thick, unfossiliferous interval that corresponds to the Kenogami River Formation. Based on its stratigraphic position in the well, the age of Division J is somewhere within the span latest Llandovery to Middle Devonian. Rare Silurian fossils are present in outcrops of the lower member of the Kenogami River Formation and also have been reported (cf. Glassia variabilis Whiteaves; Wilson, 1953, p. 63) from exposures now assigned to the upper member. The age of the formation is not well established; much of the Kenogami River Formation within the well is doubtless Silurian but the upper part could be Devonian.

The uppermost beds penetrated by the well contain a sparse brachiopod fauna that has been studied by A.E.H. Pedder. A Middle Devonian age is suggested for the interval 67 to 102 feet, based on the presence of Productella cf. P. belanskii Stainbrook and an undescribed species of Desquamatia. J. Le Fevre (in Nelson and Johnson, 1969) has identified some conodonts, ostracods and tentaculitids from horizons between depths 102 and 399 feet and suggested a late Early or early Middle Devonian age for this interval.


Locality
Age
Eastern North America
KASKATTAMA NO. 1 WELL
DIVISIONS
FORMATIONS
SOUTHERN MANITOBA
LAKE TIMISKAMING
NORTHERN MICHIGAN
MANITOULIN ISLAND
DEVONIAN
KWATAGOAHEGAN
STOOPING RIVER
411'
411'
ASHERN
GARDEN ISLAND
rocks not preserved
SALINA
CAYUGAN
LUDLOW
J
KENOGAMI RIVER (661 feet)
?
rocks not preserved
GUELPH
ENGADINE
WENLOCK
1,071'
1,072'
1,072'
undated
Upper and upper Middle Interlake Beds of subsurface
?
AMABEL
I
ATTAWAPISKAT (about 200 feet)
1,250'
1,298'
1,250'-1,294'
?
CORDELL
FOSSIL HILL
H
EKWAN RIVER (about 130 feet)
1,378'
CEDAR LAKE
THORNLOE
SCHOOLCRAFT
G
1,379'
1,380'
1,381'
?
1,386'-1,422'
SILURIAN
LATE LLANDOVERY
NIAGARAN
F
EAST ARM
HENDRICKS
MINDEMOYA
1,692'
1,695'
SEVERN RIVER (about 800 feet)
E
ATIKAMEG

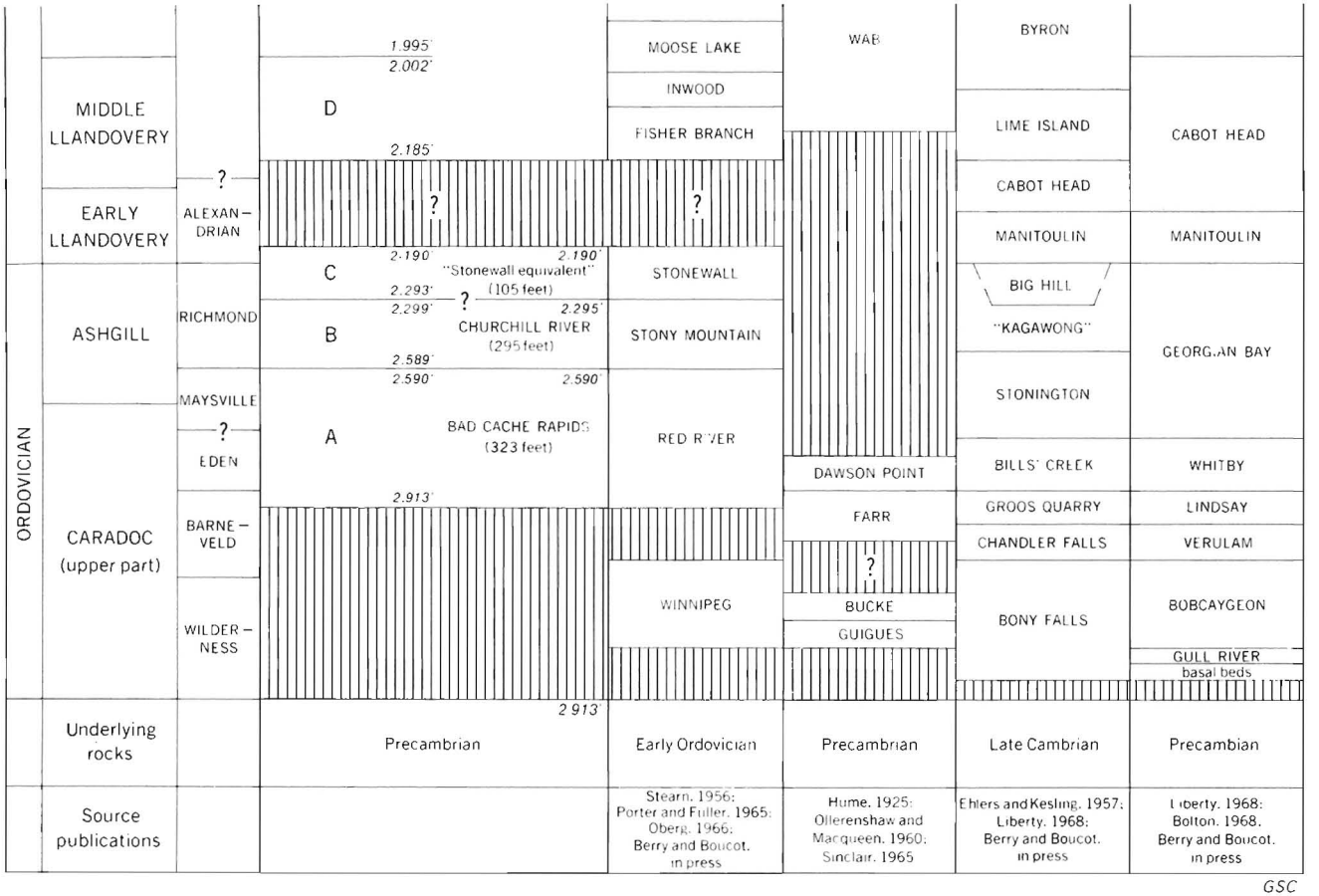



Figure 2. Correlation table

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Figures 3-11

| Footage | 2590 | 2592 | 2594 | 2595 | 2597 | 2600 | 2602 | 2628 | 2630 | 2631 | 2635 | 2637 | 2684 | 2686 | 2688 | 2690 | 2692 | 2693 | 2695 | 2698 | 2700 | 2701 | 2702 | 2705 | 2708 | 2710 | 2711 | 2712 | 2713 | 2717 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-1598 | C-1599 | C-1600 | C-1601 | C-1602 | C-1603 | C-1604 | C-1605 | C-1606 | C-1606a | C-1607 | C-1608 | C-1609 | C-1610 | C-1611 | C-1612 | C-1613 | C-1614 | C-1615 | C-1616 | C-1617 | C-1618 | C-1619 | C-1620 | C-1621 | C-1622 | C-1623 | C-1624 | C-1625 | C-1626 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | | × | × | × | | × | | × | × | | ? | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| "conodonts" | | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | |
| bryozoans | × | | × | | | × | × | | | | | | | | × | × | × | × | × | × | × | × | × | × | × | × | × | | | × |
| graptolite fragments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| diplograptid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × | × |
| stromatoporoid | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | |
| solitary coral | | × | × | | | | | | | | | | | × | × | | | | × | × | × | | | | × | | | | | |
| *Deiracorallium* sp. | | | | | | | ? | | | | | | | | | | × | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | | | | | ? | | | | | | |
| tabulate coral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Calapoecia* sp. | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | × | | | | | ? | | | | | | | | | | |
| ? *Saffordophyllum* sp. | | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | |
| echinoid (?) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Maclurites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| resserellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Diceromyonia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | | | × | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Platystrophia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Spinorthis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophomenid brachiopod | | | | | | | | | | | | | | | × | × | | | | | | | | × | | | | | | × |
| ? *Ralinesquina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Strophomena* sp. | | | | | | | ? | | | | | | | | | | | | | | | | | | | | | | | |
| sowerbyellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | | | | | | | | | | | | | | | | | | | | | | | × | | | | × | |
| rhynchonellid brachiopod | | | | | | | | | | | | | × | × | × | | | | | | | × | | × | | | × | | × | × |
| *Hypsiptycha* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Rhychotrema* sp. | | | | | | | ? | | | | | | | | | ? | | | | | | | | | | | | | | |
| sponge | | | | | | | | × | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | × | | | | | | | | | | | | | | | | | | | |
| clam | | | | | | | | | | | × | | | | | | | | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 3. Lists of fossil occurrences, Division A, Kaskattama Well

| Footage | 2725 | 2726 | 2727 | 2730 | 2732 | 2735 | 2737 | 2738 | 2740 | 2741 | 2743 | 2744 | 2746 | 2748 | 2749 | 2750 | 2751 | 2754 | 2755 | 2756 | 2758.5 | 2759 | 2760 | 2761 | 2762 | 2764 | 2765 | 2776 | 2778 | 2779 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-1627 | C-1628 | C-1629 | C-1630 | C-1631 | C-1632 | C-1633 | C-1634 | C-1635 | C-1636 | C-1637 | C-1638 | C-1639 | C-1640 | C-1641 | C-1642 | C-1643 | C-1644 | C-1645 | C-1646 | C-1647 | C-1648 | C-1649 | C-1650 | C-1651 | C-1652 | C-1653 | C-1654 | C-1655 | C-1656 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| "conodonts" | | | | | | x | | x | | | | | x | | | | | | | x | | | | | | | | | | |
| bryozoans | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | | x | x | x | | x | x | x | x | | | | x | x | x |
| graptolite fragments | | | | | | | | | | | | | | | | | | x | | x | | | | | | | | | | |
| diplograptid | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | |
| stromatoporoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | x | x | x | | | | | | | | | | x | | | | | | x | | x | | | | x | x | |
| *Deiracorallium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tabulate coral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Calapoecia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Saffordophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| echinoid (?) | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | |
| *Maclurites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| resserellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Diceromyonia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | |
| *Platystrophia* sp. | | | | | | | | | | | | | | | | | | | | | x | x | | | | | | | | |
| ? *Spinorthis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophomenid brachiopod | | x | | x | x | x | | | | | x | x | | x | x | | | | | | | | | | | | | x | | |
| ? *Rafinesquina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | |
| *Strophomena* sp. | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | ? | |
| sowerbyellid brachiopod | | | | | | | | | | | | | | | | | | | x | | | | x | | | x | | | | |
| *Thaerodonta* sp. | | | x | x | x | x | x | x | | x | x | x | x | | | | x | x | | x | | x | | x | x | | ? | x | | |
| rhynchonellid brachiopod | | x | x | x | x | x | | x | | x | x | | | | | | | | | | | | | | | | | | | |
| *Hypsiptycha* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Rhychotrema* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ? | |
| sponge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | ? | | | | | | | | | | | | | | | | | | |

GSC

Figure 3. Continued

| Footage | 2780 | 2781 | 2783 | 2784 | 2786 | 2788 | 2790 | 2791 | 2792 | 2793 | 2796 | 2798 | 2799 | 2801 | 2802 | 2803 | 2806 | 2807 | 2808 | 2811 | 2812 | 2813 | 2815 | 2817 | 2820 | 2822 | 2823 | 2826 | 2827 | 2830 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-1657 | C-1658 | C-1659 | C-1660 | C-1661 | C-1662 | C-1663 | C-1664 | C-1665 | C-1666 | C-1667 | C-1668 | C-1669 | C-1670 | C-1671 | C-1672 | C-1673 | C-1674 | C-1675 | C-1675a | C-1675b | C-1676 | C-1677 | C-1678 | C-1679 | C-1680 | C-1680a | C-1681 | C-1682 | C-1683 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| "conodonts" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | × | | | × | | × | | | | | | | | | | | | | | | | | | | | | | |
| graptolite fragments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| diplograptid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | × | × | × | | | | | | × | | | | | | | | | | | | | | | | | | | |
| *Deiracorallium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tabulate coral | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Calapoecia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | × | | | | | | | | × | | × | | | | | | | | | |
| ? *Saffordophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| echinoid (?) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Maclurites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| resserellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Diceromyonia* sp. | × | | | | | | × | × | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | | | | ? | | | | | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | × | | | | | | | | | | | | | | | | ? | | | | | | | | | | | |
| *Platystrophia* sp. | | | | | | | | | × | | | | | | | | | | | | | | | | | | | | | |
| ? *Spinorthis* sp. | | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | | |
| strophomenid brachiopod | | | | | × | | | | × | | | | | | | | | | | | | | | | | | | | | |
| ? *Rafinesquina* sp. | | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Strophomena* sp. | | | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sowerbyellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | | | × | × | | | | ? | × | | ? | | | × | | | × | × | | × | | | | | | | | |
| rhynchonellid brachiopod | | | | | × | × | × | × | | × | | | | | | | | | | | | | | | | | | | | |
| *Hypsiptycha* sp. | | | | | | | | | | | | | | | × | | | | | | | | | | | | | | | |
| *Rhynchotrema* sp. | | ? | ? | | | | | | | | | | | | | | | | | | | ? | | | | | | | | |
| sponge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | · | |
| clam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 3. Continued

| Footage | 2831 | 2832 | 2834 | 2835 | 2836 | 2838 | 2839 | 2841 | 2842 | 2844 | 2846 | 2849 | 2851 | 2855 | 2859 | 2862 | 2864 | 2865 | 2866 | 2867 | 2869 2870 | 2871 | 2873 | 2874 | 2875 | 2876 | 2878 | 2879 | 2880 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-1684 | C-1685 | C-1686 | C-1687 | C-1688 | C-1689 | C-1690 | C-1691 | C-1692 | C-1693 | C-1694 | C-1695 | C-1695a | C-1696 | C-1697 | C-1698 | C-1699 | C-1700 | C-1701 | C-1702 | C-1703 | C-1704 | C-1705 | C-1706 | C-1707 | C-1708 | C-1709 | C-1710 | C-1711 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| "conodonts" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | | | × | × | | | | | | × | × | | × | × | × | × | × | × | | × | × | | | | | |
| graptolite fragments | | | | | | | | | | | | | | | | | | | | | | | | | | | | × | |
| diplograptid | | | | | | | | | | | | | | | | | | | | | × | | | | | | × | | |
| stromatoporoid | | | | | | | | | | | | | | | | | | | | | | | | | | | × | | |
| solitary coral | | | | | × | | | × | | | | | × | | | | | | | | | | | | | | | | |
| *Deiracorallium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| tabulate coral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × |
| *Calapoecia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | × | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Saffordophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| echinoid (?) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Maclurites* sp. | | | | | | × | | | | | | | | | | | | | | | | | | | | | | | |
| resserellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Diceromyonia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | | | | | | | ? | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Platystrophia* sp. | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | |
| ? *Spinorthis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophomenid brachiopod | | | | | | | | | | | | | × | | | | | | | | | | | | | | | | |
| ? *Rafinesquina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Strophomena* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sowerbyellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | | | | | × | | | | | ? | | | | | | | × | ? | | | | | | | | | |
| rhynchonellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Hypsiptycha* sp. | | | | | | | | | | | | | × | ? | | | | | | | ? | | | | | | | | |
| *Rhynchotrema* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sponge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | |

GSC

Figure 3. Continued

| Footage | 2299 | 2301 | 2302 | 2303 | 2304 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2314 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2341 | 2343 | 2345 | 2347 | 2353 | 2355 | 2356 | 2359 | 2361 | 2362 | 2363 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-954 | C-955 | C-956 | C-957 | C-958 | C-959 | C-960 | C-961 | C-962 | C-963 | C-964 | C-965 | C-966 | C-967 | C-968 | C-969 | C-970 | C-971 | C-972 | C-973 | C-974 | C-975 | C-976 | C-977 | C-978 | C-979 | C-980 | C-981 | C-982 | C-983 | C-984 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | | × | | × | × | × | × | × | × | × | × |
| "conodonts" | | | | × | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | × | | | | | | × | × | | | | | | | | | | | | | | | | | × | × | | |
| dendroid graptolite | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sponge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoid | | | | | | | | | × | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | | | | | | | | | | | | × | × | × | | | | | | | | | | | | × | | |
| *Bighornia* sp. | | × | | | | | | | | | | | | × | | | | | × | | | | | | | | | | | | |
| *Deiracorallium* sp. | | | | | | | | | | × | | | | ? | | | | | | | | | | | | | | | | | |
| *Deiracorallium manitobense* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lobocorallium* sp. | | | | | | | | | | | | | ? | | | | | × | ? | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Phaulactis stummi* Nelson | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | × | | × | × | | | | | | | | | | | | | | |
| *Palaeofavosites* sp. | | | | | | | | | × | | | | × | × | | × | × | × | | | | | | | | | | | | | |
| *Palaeofavosites* cf. *P. okulitchi* Stearn | | | | | | | | | | × | | | | | | | | | | | | | | | | | | | | | |
| *Tetradium* sp. | | | | | | | | | | ? | | | | | | | | | | | | | | | | | | | | | |
| inarticulate brachiopod | | | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | × |
| *Austinella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| resserellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| atrypid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rhynchonellid brachiopod | | × | | × | | × | | | | | | | | | | | | | | | | | | | | | | × | × | | |
| strophomenid brachiopod | | × | × | × | × | × | × | × | × | | × | | × | | | | | | | | | × | × | × | × | × | × | × | × | | × |
| ? *Kjerulfina* sp. | | | | | | | | | | | × | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | | | | | | | | | | | | ? | | | | | | | | | | | | | | | | | |
| ? *Encrinuroides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Isotelus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Rhynchotrema* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favistina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 4. Lists of fossil occurrences, Division B, Kaskattama Well

| Footage | 2364 2365 | 2366 2367 | 2395 | 2400 | 2402 | 2405 | 2409 | 2415 | 2417 | 2418 | 2418.5 | 2419 | 2423 | 2424 | 2425 | 2426 | 2427 | 2429 | 2431 | 2432 | 2433 | 2439 2441 | 2444 | 2446 | 2448 | 2449 | 2450 | 2451 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-985 | C-986 | C-986a | C-987 | C-988 | C-989 | C-990 | C-991 | C-992 | C-993 | C-994 | C-995 | C-996 | C-997 | C-998 | C-999 | C-1500 | C-1501 | C-1501a | C-1502 | C-1503 | C-1504 | C-1505 | C-1506 | C-1507 | C-1508 | C-1509 | C-1510 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | | | × | × | × | × | × | × | × | × | | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| "conodonts" | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | × | | × | | | | | | | | | × | | | | | × | | × | | | | | × | |
| dendroid graptolite | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sponge | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clam | × | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | × | | | | | × | | | | | | | | | | | × | | | | | | |
| stromatoporoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | | | | | | | | | | | × | | | | × | × | | × | | | | | | | |
| *Bighornia* sp. | | | | | | | | × | × | | | | × | | × | × | | | | × | | × | | × | × | × | × | |
| *Deiracorallium* sp. | | | | | × | | | | | | | | | | | | | | | | | | | | | | × | |
| *Deiracorallium manitobense* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lobocorallium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | × | | | |
| *Phaulactis stummi* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | | × | | | | |
| *Palaeofavosites* sp. | | | | | | | | | | | | | | | | | | | | | ? | | | | × | | | |
| *Palaeofavosites* cf. *P. okulitchi* Stearn | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Tetradium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| inarticulate brachiopod | × | × | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | | | | | | | | | | | | | | | | | | | | | ? | | | | | |
| resserellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| atrypid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rhynchonellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophomenid brachiopod | | | | × | × | × | | | × | × | | × | × | × | × | × | × | | | | × | × | | × | × | | × | × |
| ? *Kjerulfina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | × | × | |
| ? *Encrinuroides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Isotelus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Rhynchotrema* | | | | | | | | | | | | | | | | | | | | | | | | | | ? | | |
| *Favistina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 4. Continued

| Footage | 2452 | 2453 | 2454 | 2455 | 2456 | 2457 | 2458 | 2460 | 2461 | 2462 | 2464 | 2465 | 2466 | 2467 | 2468 | 2469 | 2470 | 2471 | 2472 | 2474 | 2475 | 2476 | 2478 | 2479 | 2480 | 2481 | 2482 | 2483 | 2484 | 2485 | 2486 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-1511 | C-1511a | C-1512 | C-1513 | C-1514 | C-1515 | C-1516 | C-1517 | C-1518 | C-1519 | C-1520 | C-1521 | C-1522 | C-1523 | C-1524 | C-1525 | C-1526 | C-1527 | C-1528 | C-1529 | C-1530 | C-1531 | C-1532 | C-1533 | C-1534 | C-1535 | C-1536 | C-1537 | C-1538 | C-1539 | C-1540 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| "conodonts" | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | | |
| bryozoans | × | × | × | × | | × | | × | | | | × | × | | | × | | | | | × | | | | | × | | | × | × | |
| dendroid graptolite | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| sponge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | × | | | | | | | | | | | | | | | | | | | |
| stromatoporoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | × | | | | × | × | | | | × | × | × | | × | | | × | | | | × | | | | | | × | | | × | |
| *Bighornia* sp. | | | × | ? | | | × | | ? | | × | | × | | | × | | | × | | | | | | × | | | | | × | ? |
| *Deiracorallium* sp. | | | | | | | | | | | | | | | | | | | × | | | | ? | | | | | ? | | × | |
| *Deiracorallium manitobense* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | ? | | | | | | | | | | | |
| *Lobocorallium* sp. | | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeophyllum* sp. | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | |
| *Phaulactis stummi* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | × | | | | | | | | × | | | | | | | | | | | |
| *Palaeofavosites* sp. | | | ? | × | | | × | | | | | | | | | | | | × | | | | | × | | | | | | | × |
| *Palaeofavosites* cf. *P. okulitchi* Stearn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Tetradium* sp. | | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | |
| inarticulate brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | × | | | | | | | | | | | | | | | | | | ? | | ? | | | | | | | | | |
| resserellid brachiopod | | | | | | × | | | | | | | | | | | | × | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × | |
| atrypid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × | |
| rhynchonellid brachiopod | | | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | |
| strophomenid brachiopod | × | × | × | × | | | | × | × | × | × | × | | × | × | × | × | × | × | × | × | | × | × | × | × | | × | | × | |
| ? *Kjerulfina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | | | | | × | | | × | × | × | × | × | × | × | | ? | | ? | × | | | | ? | | ? | | | × | × |
| ? *Encrinuroides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Isotelus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Rhynchotrema* sp. | | | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favistina* sp. | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | |

GSC

Figure 4. Continued

| Footage | 2488 | 2489 | 2490 | 2491 | 2492 | 2493 | 2497 | 2498 | 2499 | 2502 | 2503 | 2504 | 2507 | 2509 | 2512 | 2514 2515 | 2516 | 2517 | 2518 | 2519 | 2521 | 2522 | 2524 | 2527 | 2529 | 2530 | 2537 | 2538 2539 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-1541 | C-1542 | C-1543 | C-1544 | C-1545 | C-1546 | C-1547 | C-1548 | C-1549 | C-1550 | C-1551 | C-1552 | C-1553 | C-1554 | C-1555 | C-1556 | C-1557 | C-1558 | C-1559 | C-1560 | C-1561 | C-1562 | C-1563 | C-1564 | C-1565 | C-1566 | C-1567 | C-1568 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Megamyonia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | × |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| "conodonts" | | | | | | | | | | | | | | | | | | | × | | | | | | | | | |
| bryozoans | × | × | × | | | × | | × | | × | × | | × | | × | × | × | | × | × | × | × | | | × | | × | × |
| dendroid graptolite | | | | | | | | | | | | | | | | | | | | × | | | | | | | | |
| sponge | | | | | | | | | | | | | | | | ? | | | | | | | | | | | | |
| clam | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | | | | | | | | | | | × | | | | | | |
| stromatoporoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | | | | | × | | | | × | | × | | | × | × | | × | | × | | × | × | × | × | |
| *Bighornia* sp. | × | | × | | × | | | | | | × | | × | | | | | | ? | | | | × | | | | | |
| *Deiracorallium* sp. | | | | | | × | | | | | | | | | | | | | | | | | | | | | | |
| *Deiracorallium manitobense* Nelson | | | × | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lobocorallium* sp. | | | | | | | | | | | | | | | | × | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | ? | | | | × | | | | | | | | | | | | | | | | | | |
| *Palaeophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Phaulactis stummi* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | × | | | | × | |
| *Palaeofavosites* sp. | × | | | | × | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeofavosites* cf. *P. okulitchi* Stearn | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Tetradium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| inarticulate brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | × | | | | | | | | | | | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | | × | | | | | | ? | | | × | | ? | | | | | | | | | | | | | ? |
| resserellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | × | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| atrypid brachiopod | | | | | | | | | | × | | | | | | | | × | × | | | | | | | | | |
| rhynchonellid brachiopod | | | | | | | | | | | | | | | | | | | | | | × | | | | | | |
| strophomenid brachiopod | × | | × | | | × | | | × | × | | × | | | × | × | | | × | | × | | × | | | | × | × |
| ? *Kjerulfina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | × | × | ? | × | ? | × | × | ? | × | × | × | ? | × | × | × | ? | × | | | ? | ? | × | × | | | × |
| ? *Encrinuroides* sp. | | | | | | | | | | | × | | | | | | | | | | | | | | | | | |
| ? *Isotelus* sp. | | | | | | | | | | | | | | | | | | | × | | | | | | | | | |
| *Rhynchotrema* sp. | | | | | ? | × | ? | | | | | ? | | | | | | | | | | | | | | | | |
| *Favistina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Gravicalymene* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | × |

GSC

Figure 4. Continued

| Footage | 2542 | 2543 | 2544 | 2546 | 2548 | 2552 | 2553 | 2554 | 2555 | 2557 | 2558 | 2559 | 2562 | 2564 | 2567 | 2569 | 2572 | 2574 | 2575 | 2576 | 2578 | 2579 | 2581 | 2582 | 2583 | 2584 | 2586 | 2587 | 2588 | 2589 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-1569 | C-1570 | C-1571 | C-1572 | C-1573 | C-1574 | C-1575 | C-1576 | C-1577 | C-1578 | C-1579 | C-1580 | C-1581 | C-1582 | C-1583 | C-1584 | C-1585 | C-1586 | C-1587 | C-1588 | C-1589 | C-1590 | C-1591 | C-1592 | C-1593 | C-1594 | C-1595 | C-1596 | C-1597 | |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Megamyonia* sp. | | | ? | | | | | ? | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| "conodonts" | | | | | | | | | | | | | × | | | | | × | | | × | | | × | | | × | | | |
| bryozoans | | | | | | | × | | | | | × | × | × | × | × | × | × | × | | × | | | | | × | × | | × | × |
| dendroid graptolite | | | | × | | | | | × | | | | | × | | | | | | | | | | | | | | | | |
| sponge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | × | × | | | | × | × | × | | | × | | | | × | × | | × | × | | × | × | | × | | | | |
| *Bighornia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × |
| *Deiracoralium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Deiracorallium manitobense* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Grewingkia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lobocorallium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Streptelasma* sp. | | | | | | | | | | | | ? | | | | | | | | | | | | | | | | | | |
| *Palaeophyllium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Phaulactis stummi* Nelson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeofavosites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeofavosites* cf. *P. okulitchi* Stearn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Tetradium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| inarticulate brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Austinella* sp. | | | | | | | | × | | | | | | | | | | ? | | | | | | | | | | | | |
| *Plaesiomys* sp. | | | | | | | | | ? | ? | | | ? | | | | | | ? | ? | | | × | | | | | | | |
| resserellid brachiopod | | | | | × | | | | | | × | × | × | | × | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| atrypid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rhynchonellid brachiopod | | | | | | | | | | | × | | | | | | | | | | × | | | | | | | | | |
| strophomenid brachiopod | × | × | | | | | × | | × | × | × | × | × | | | × | | × | | × | × | | × | | × | × | × | | | |
| ? *Kjerulfina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Thaerodonta* sp. | | | | | | | × | × | × | × | × | × | × | | × | | ? | × | × | × | × | | × | | | | | | | |
| ? *Encrinuroides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Isotelus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Rhynchotrema* sp. | | | | | ? | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favistina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Gravicalymene* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 4. Continued

| Footage | 2190 | 2205 | 2211 | 2220 | 2225 | 2231 | 2233 | 2235 | 2236 | 2237 | 2250 | 2251 | 2252 | 2253 | 2260 | 2263 | 2264 2265 | 2267 | 2270 2272 | 2274 | 2277 | 2279 2281 | 2286 | 2289 | 2291 | 2292 | 2293 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-929 | C-930 | C-931 | C-932 | C-933 | C-934 | C-935 | C-935a | C-936 | C-937 | C-937a | C-938 | C-939 | C-940 | C-941 | C-942 | C-943 | C-944 | C-945 | C-946 | C-947 | C-948 | C-949 | C-950 | C-951 | C-952 | C-953 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | | × | | × | | × | × | × | × | | × | × | × | × | | × | × | × | × | × | | | × | | | | |
| bryozoans | | × | | | | | × | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | × | | | | | × | | | | | | | | | | × | | | | | | | | | | |
| *Angopora* cf. *A. manitobensis* Stearn | | | | | | | | | | | | | | | × | × | × | | × | | | | | | | | |
| inarticulate brachiopod | | | | | | | | | | | | | | | | | | | | | | × | | × | × | × | |
| strophomenid brachiopod | | | | | | | | | | | | | | | | | | | | × | | | | | | | |
| ? *Megamyonia* cf. *M. nitens* (Billings) | | | | | | | | | | | | | | | | | | | × | | | | × | | | | |
| orthid brachiopod | | | | | | | | | | × | | | | | | | | | | | | | | | | | |

GSC

Figure 5. Lists of fossil occurrences, Division C, Kaskattama Well

| Footage | 2002 | 2005 | 2006 | 2007 | 2008 | 2010 | 2012 | 2015 | 2016 | 2017 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2037 | 2038 | 2039 | 2040 | 2041 | 2043 | 2054 | 2064 | 2066 | 2068 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-844 | C-845 | C-846 | C-847 | C-848 | C-849 | C-850 | C-851 | C-852 | C-853 | C-854 | C-855 | C-856 | C-857 | C-858 | C-859 | C-860 | C-861 | C-862 | C-863 | C-864 | C-865 | C-866 | C-867 | C-868 | C-869 | C-870 | C-871 | C-872 | C-873 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragment and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | | | × | × | × |
| scolecodonts | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracods | | | | | | | | | | | | | | | | | × | | × | | | | × | × | | | | | | |
| stromatoporoids | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | | | | | | | | | | | | | | | × | × | | × | × | × | | | | | | | |
| *Asthenophyllum* sp. | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | | |
| "*Neozaphrentis*" cf. *N. hindi* Stearn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Tryplasma*" sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| favositid coral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | × | | | | | | | | | | | | | | | | | × | | ? | ? | × | × | | | | | | | ? |
| *Palaeofavosites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Multisolenia* sp. | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Multisolenia confluens* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Heliolites* sp. | | | | | | | | | | | | | | | | | | | | | | | × | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophomenid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophеodontid brachiopod | | | | | | | | | | | | | | | | × | × | | × | | × | × | | × | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Virgiana decussata* (Whiteaves) | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Alispira* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rhynchonellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Camarotoechia*" cf. "*C.*" *indianense* (Hall) | | × | | × | × | × | × | | | | | | | | | | | | | | | | | | | | | | | |
| "*Atrypa*" aff. "*A.*" *parksi* Williams | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Hindella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Monomerella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Eophacops* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 6. Lists of fossil occurrences, Division D, Kaskattama Well

| Footage | 2070 | 2072 | 2079 | 2080 | 2082 | 2083 | 2084 | 2087 | 2089 | 2091 | 2092 | 2094 | 2097 | 2098 | 2099 | 2101 | 2103 | 2106 | 2108 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2118 | 2121 | 2122 | 2123 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-874 | C-875 | C-876 | C-877 | C-878 | C-879 | C-880 | C-881 | C-882 | C-883 | C-884 | C-885 | C-886 | C-887 | C-888 | C-889 | C-890 | C-891 | C-892 | C-893 | C-894 | C-895 | C-896 | C-897 | C-898 | C-899 | C-900 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragment and unidentified taxa | × | | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| scolecodonts | | | | | | | ? | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | | | | | | | | | | | | | | | × | | | × | | | | × | × | | | × | × |
| ostracods | | | | | | × | | | | | | | | | | | | | | | | | | | | | × | | | |
| stromatoporoids | | | | × | | | × | | | | × | × | | | | | | | × | | | × | × | | | × | | | × | |
| solitary coral | | × | | | | | × | | | | | | × | | | | | | | | | | × | | × | | | | | |
| *Asthenophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Neozaphrentis*" cf. *N. hindi* Stearn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Tryplasma*" sp. | | | | | | | × | | | | | | | | | | | | | | × | | × | × | × | | | | | |
| favositid coral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | ? | | ? | | | ? | × | × | ? | | | ? | × | × | ? | ? | | | ? | × | × | × | ? | × | | | |
| *Palaeofavosites* sp. | | | × | | | | × | | | | | | | | × | | | | | | | | | | | × | | | | |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | × | | | | |
| *Multisolenia confluens* Stearn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Heliolites* sp. | | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | × | | | | | | | × | × | × | × | | |
| strophomenid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stropheodontid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | × | × | | | × | × | | | | | | | | | | | | | | | | | | | | | |
| *Virgiana decussata* (Whiteaves) | | | | | | × | | | | | × | × | × | × | | | | | | | | | | | | | × | × | × | × |
| *Alispira* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rhynchonellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Camarotoechia*" cf. "*C.*" *indianense* (Hall) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Atrypa*" aff. "*A.*" *parksi* Williams | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × | |
| ? *Hindella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Monomerella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Eophacops* sp. | | | | | | | | | | | | | | ? | | | | | | | | | | | | | | | | |

GSC

Figure 6. Continued

| Footage | 2125 | 2126 | 2127 | 2128 | 2129 | 2131 | 2132 | 2133 | 2137 | 2138 | 2139 | 2141 | 2142 | 2144 | 2146 | 2148 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2183 | 2184 | 2185 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-901 | C-902 | C-903 | C-904 | C-905 | C-906 | C-907 | C-908 | C-909 | C-910 | C-911 | C-912 | C-913 | C-914 | C-915 | C-916 | C-917 | C-918 | C-919 | C-920 | C-921 | C-922 | C-923 | C-924 | C-925 | C-926 | C-927 | C-928 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragment and unidentified taxa | × | × | × | | × | × | × | × | × | × | × | × | × | × | × | × | | | | × | × | | × | | | | × | × |
| scolecodonts | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | × | × | | × | | × | | × | | × | × | × | | × | × | | | | | × | × | × | × | | | × | |
| ostracods | | × | × | × | × | | × | | | | | | | | | | | × | × | | × | | × | × | × | | | |
| stromatoporoids | | | | × | | | | | | | | | × | | | | | | × | | | | | | | | | |
| solitary coral | | | | × | × | | | × | × | | × | × | × | | | | | | × | × | × | | | | | × | × | |
| *Asthenophyllium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Neozaphrentis*" cf. *N. hindi* Stearn | | | | | | | | | | | | | | | | × | | | | | | × | | | | | | |
| "*Tryplasma*" sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| favositid coral | | | | | | | | | | | | | | | | | | | | | | | | | | | × | × |
| *Favosites* sp. | ? | ? | | × | × | | × | × | | ? | | | × | | | × | | | | × | × | | | | | | | |
| *Palaeofavosites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Multisolenia confluens* Stearn | | | | | | | | | | | | | | | | | | | × | | | | | | | | | |
| *Heliolites* sp. | | | | | | | × | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | × | | | | | | | | | | | | | | | |
| strophomenid brachiopod | | | | | | | | | | | | | | × | × | | | | | × | × | | × | | × | | × | × |
| stropheodontid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | × | × | × | | | | | | | | | × | | × | | | | | | | | | × | × |
| *Virgiana decussata* (Whiteaves) | × | | × | × | | | | | | | × | × | × | | | | × | | | | | | | | | | | |
| *Alispira* sp. | | | | | | | | | | | | | | | | × | ? | ? | × | × | × | × | × | × | × | | | |
| rhynchonellid brachiopod | | | | | | | | | | | | | | | | × | | | | | | × | | | | | × | |
| "*Camarotoechia*" cf. "*C.*" *indianense* (Hall) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Atrypa*" aff. "*A.*" *parksi* Williams | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ?*Hindella* sp. | | | | | | | | | | | | | | × | | | | | | | | | | | | | | |
| *Monomerella* sp. | | | | | | | | | × | | | | | | | × | | | | | | | | | | | | |
| *Eophacops* sp. | | | | | | | | | | × | | | | | | | | | | | ? | × | | | | | | |

GSC

Figure 6. Continued

| Footage | 1695 | 1697 | 1700 1701 | 1703 | 1705 | 1706 | 1707 | 1708 | 1710 | 1712 | 1713 | 1714 | 1715 | 1716 | 1717 | 1718 | 1720 | 1721 | 1722 | 1725 | 1726 | 1727 | 1728 | 1745 | 1747 | 1748 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C.743 | C.744 | C.745 | C.746 | C.747 | C.748 | C.749 | C.750 | C.751 | C.752 | C.753 | C.754 | C.755 | C.756 | C.757 | C.758 | C.759 | C.760 | C.761 | C.762 | C.763 | C.764 | C.765 | C.766 | C.767 | C.768 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| conodonts or scolecodonts | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | | | | | | | | | | | | | | × | | | | | | | | | |
| ostracods | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clams | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoids | | × | × | × | × | × | × | | | | | | | | | × | | | | | | | | | × | × |
| *Monograptus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | × | × | | × | | | | × | × | × | × | | × | × | × | | × | × | × | | × | | × |
| *Asthenophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Neozaphrentis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Synamplexoides* sp. | | | | × | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | × | × | × | ? | | | | | | | × | ? | | | × | | | | | × | | | | | |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | × | × | | | | | | | | | | |
| *Palaeofavosites* sp. | ? | × | | | ? | | × | | | | | | | | | × | | ? | | | | | | | | × |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Propora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cystihalysites* sp. | | | × | ? | × | | × | | | | | | | | | | | | | | | | | | × | × |
| strophеodontid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Eostropheodonta* sp. | | | | | | | | | | | | | | | | | | × | | | | | | ? | | |
| meristinid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Meristina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Fardenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Howellella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Camarotoechia*" cf. *C. winiskensis* Whiteaves | × | | × | | | | | | | | | | | | | | | | | | | | | | | |
| *Plectatrypa lowi* (Whiteaves) | | | | | | | × | × | × | × | × | | | | | | × | | | | | | × | | | × |
| *Encrinurus* sp. | | | | | | | | | | | | | | | | | | | | | × | | | | | |
| *Scutellum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 7. Lists of fossil occurrences, Division E, Kaskattama Well

| Footage | 1749 | 1750 | 1751 | 1752 | 1755 | 1758 | 1759 | 1762 | 1764 | 1765 | 1766 | 1768 | 1769 | 1770 | 1772 | 1773 | 1774 | 1775 | 1777 | 1779 | 1780 | 1783 | 1784 | 1787 | 1788 | 1789 | 1790 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-769 | C-770 | C-771 | C-772 | C-773 | C-774 | C-775 | C-776 | C-777 | C-778 | C-779 | C-780 | C-781 | C-782 | C-783 | C-784 | C-785 | C-786 | C-787 | C-788 | C-789 | C-790 | C-791 | C-792 | C-793 | C-794 | C-795 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| conodonts or scolecodonts | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | | | | | | × | | | | | | | | | | × | | × | | | | | | |
| ostracods | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clams | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoids | × | | | × | | × | | × | | | | | | | | | × | × | × | × | × | | | | | | |
| *Monograptus* sp. | | | | | | | | | | | | | | | × | | | | | | | | | | | | |
| solitary coral | × | | | | | × | | × | × | | × | | | | × | | × | | | | × | | | | | × | |
| *Asthenophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | ? | | |
| ? *Neozaphrentis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Synamplexoides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | | × | | | | ? | | | | | | | | | ? | | | | | | | | × | |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeofavosites* sp. | × | | | × | | | | | | | | | | | | | | × | × | ? | × | | | | | | |
| *Multisolenia* sp. | | | | | | × | | | | | | | | | | | | | × | × | | | | | | | |
| *Propora* sp. | × | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | × | | | | | | | |
| *Cystihalysites* sp. | | | | | × | × | | | | | | | | | | | | × | | | | | | | | | |
| strophеodontid brachiopod | | | | | | | | | | | | | | | | | × | | | | | | | | | | |
| *Eostropheodonta* sp. | | | ? | | | | | | × | × | | | × | × | × | | | | ? | | | × | | | | | × |
| meristinid brachiopod | | | | | | | | | | | | | | | | | | | × | | | | | | | | |
| ? *Meristina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Fardenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Howellella* sp. | | | | | | | | | | | | | | | | | | | | | | | | × | | | |
| *Camarotoechia* cf. *C. winiskensis* Whiteaves | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Plectatrypa lowi* (Whiteaves) | | | | | | | | | | × | | | × | × | × | | | | | | | | | | | | |
| *Encrinurus* sp. | | | | | | | | | | | | | | | × | | | | | | | | | | | | |
| *Scutellum* sp. | | | | | × | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 7. Continued

| Footage | 1791 | 1792 | 1793 | 1795 | 1796 | 1799 | 1802 | 1803 | 1805 | 1808 | 1810 | 1812 | 1814 | 1816 | 1831 | 1833 | 1835 | 1836 | 1837 | 1838 | 1846 | 1848 | 1850 | 1852 1853 | 1854 | 1855 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-795a | C-796 | C-797 | C-798 | C-799 | C-800 | C-801 | C-802 | C-803 | C-804 | C-805 | C-805a | C-806 | C-807 | C-808 | C-809 | C-810 | C-811 | C-811a | C-812 | C-813 | C-813a | C-814 | C-815 | C-816 | C-817 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | | | × | × | × | × | × | × | × | | × | × | | × | × | × | × | × | × | × | × | × |
| conodonts or scolecodonts | | | | | | | | | | | | | | | | | | | | | | | | ? | | |
| bryozoans | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracods | | | | × | | | × | | × | | × | | | | | × | | | | | | | | × | × | |
| clams | | | | | | | | | | | | | | | | | × | | | | | | | | | |
| stromatoporoids | | | | | | | | | | | | | | | | | | | | | | | | × | | |
| *Monograptus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | | | | | | | | | | | | | | | | | | | | | × | × | |
| *Asthenophyllum* sp. | | | | | | | | | | | | | | | | | | | | | | | | × | × | |
| ? *Neozaphrentis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Synamplexoides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | | | | | | | | | × | × | | | | | | | | | | | | | |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeofavosites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Propora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cystihalysites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophеodontid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | × | | |
| *Eostropheodonta* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| meristinid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Meristina* sp. | | | | | | | × | × | × | | | | | | | | | | | | | | | | | |
| ? *Fardenia* sp. | | | | | | | | | | | | | | | × | × | | | | | | | | | | |
| ? *Howellella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Camarotoechia*" cf. *C. winiskensis* Whiteaves | | | | × | × | | | | | | | | | | | | | | | | | | | | | |
| *Plectatrypa lowi* (Whiteaves) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Encrinurus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | ? | |
| *Scutellum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 7. Continued

| Footage | 1856 | 1867 | 1873 | 1875 | 1876 | 1877 | 1881 | 1882 | 1890 | 1935 | 1937 | 1939 | 1956 | 1957 | 1958 | 1961 | 1962 | 1966 | 1967 | 1970 | 1976 | 1978 | 1987 | 1991 | 1992 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C.818 | C.819 | C.820 | C.821 | C.822 | C.823 | C.824 | C.825 | C.826 | C.827 | C.828 | C.829 | C.829a | C.830 | C.831 | C.832 | C.833 | C.834 | C.835 | C.836 | C.837 | C.838 | C.839 | C.840 | C.841 | C.842 | C.843 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | | × | × | × | × | × | × |
| conodonts or scolecodonts | | | | | | | | | | | | | | | | | | | | | | ? | | | | | |
| bryozoans | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracods | | | × | | | × | | × | | | × | × | | | × | | | | | | | | | | | | |
| clams | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoids | | | | | | | | | | | × | | | | | | | | | | | | | | | | |
| *Monograptus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| solitary coral | | | | | | | | | | | | × | | | | | | | × | | | | | | | | |
| *Asthenophyllum* sp. | | | | | | | | | | | × | | | | | | | | | | | | | | | | |
| ? *Neozaphrentis* sp. | | | | | | | | | | | | | | | | | | × | × | | | | | | | | |
| *Synamplexoides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Palaeofavosites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Propora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Catenipora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cystihalysites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stropheodontid brachiopod | | | | | | | | | | × | × | × | | | | | | | | | | | | × | | | × |
| *Eostropheodonta* sp. | | | | | | | | | ? | | | | | | | | | ? | | | | | | | | | |
| meristinid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Meristina* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Fardenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Howellella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "*Camarotoechia*" cf. *C. winiskensis* Whiteaves | | | | | | | | | | | | | | | | | | × | × | | | | | | | | |
| *Plectatrypa lowi* (Whiteaves) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Encrinurus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Scutellum* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 7. Continued

| Footage | 1381 | 1384 | 1385 | 1386 | 1436 | 1440 | 1441 | 1443 | 1444 | 1446 | 1447 | 1448 | 1449 | 1450 | 1451 | 1454 1455 | 1493 | 1494 | 1495 | 1496 | 1497 | 1498 1499 | 1500 | 1501 | 1502 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-669 | C-670 | C-671 | C-672 | C-673 | C-673a | C-674 | C-675 | C-676 | C-677 | C-678 | C-679 | C-680 | C-681 | C-682 | C-683 | C-684 | C-685 | C-686 | C-687 | C-688 | C-689 | C-690 | C-691 | C-692 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| scolecodonts | | | | | | | | | | | | | | | | | | | | × | | | | | |
| bryozoans | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracods | | | | | | × | | | | | | | | | | × | | | | × | | | | | |
| *Pteroleperditia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| straight cephalopods | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoids | × | × | × | | × | | × | | × | × | × | × | × | | | × | × | | × | | | × | × | × | × |
| solitary coral | | | | × | | | | | | | | | | × | | | | | | | | × | | | |
| *Synamplexoides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| undetermined tabulate coral | | | | × | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | × | | × | | | × | | × | × | × | | × | | | ? | | | × | | | × | | | |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | | | | | | | | × | | | |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cystihalysites* sp. | | | × | × | | | | | | | | | ? | | | | | | ? | | | | | | |
| ? *Atrypa* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Eospirifer* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Glassia variabilis* Whiteaves | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Hesperorthis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Howellella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| aff. *Rhynchotreta* sp. | | | | | | | | × | × | | × | × | × | | | | | | | | | | | | |
| strophonellid brachiopod | × | × | | | | | | | | | | | | | | | | | | | | | | | |
| *Encrinurus* sp. | | | | | | | | | × | | | | | | | | | | | | | | | | |

GSC

Figure 8. Lists of fossil occurrences, Division F, Kaskattama Well

| Footage | 1503 | 1505 | 1506 | 1507 | 1509 | 1510 | 1511 | 1513 | 1547 | 1549 | 1551 | 1552 | 1562 | 1571 | 1573 | 1607 | 1609 | 1611 | 1612 | 1613 | 1614 | 1615 | 1616 | 1617 | 1618 | 1620 | 1622 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-693 | C-694 | C-695 | C-696 | C-697 | C-698 | C-699 | C-700 | C-701 | C-702 | C-703 | C-704 | C-705 | C-706 | C-707 | C-708 | C-709 | C-710 | C-711 | C-712 | C-713 | C-714 | C-715 | C-716 | C-717 | C-718 | C-719 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| scolecodonts | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ostracods | | | | | | × | | | | | | | | | | | | | | | | | | | | | |
| *Pteroleperditia* sp. | | | | | × | | × | | | | | | | | | | | | | | | | | | | | |
| straight cephalopods | | | | | | | | | | | | | | | × | | | | | | | | | | | | |
| stromatoporoids | × | × | × | | | × | × | × | | | × | × | × | × | × | × | × | × | × | | | × | | | | | |
| solitary coral | | | | | | × | | | | | | | | | × | | | × | | | | | × | × | | | |
| *Synamplexoides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| undetermined tabulate coral | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | | | | | | | | | | | | × | | × | × | × | | | | | × | | ? | × |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cystihalysites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Atrypa* sp. | | | | | | | | | × | × | | | | | | | | | | | | | | | | | |
| *Eospirifer* sp. | | | | | | | | | | | | | | | | | | | | | | | | × | | | |
| *Glassia variabilis* Whiteaves | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Hesperorthis* sp. | | | | | | ? | | | | | | | | | | | | | | | | | | | | | |
| *Howellella* sp. | | | × | | | | | | | | | | | | | | | | | | | | | | | | |
| aff. *Rhynchotreta* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophonellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Encrinurus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 8. Continued

| Footage | 1623 | 1624 | 1628 | 1634 | 1639 | 1643 | 1645 | 1656 | 1657 | 1658 | 1660 | 1662 | 1663 | 1664 | 1665 | 1667 | 1669 1670 | 1675 | 1676 | 1677 | 1680 | 1682 | 1689 | 1691 | 1692 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-720 | C-721 | C-722 | C-723 | C-724 | C-724a | C-725a | C-725 | C-726 | C-727 | C-728 | C-729 | C-730 | C-731 | C-732 | C-733 | C-734 | C-735 | C-736 | C-737 | C-738 | C-739 | C-740 | C-741 | C-742 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | | × | × | × | × | | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| scolecodonts | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | | | | | | | | | | | | | | | | | | | | | × | |
| ostracods | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Pteroleperditia* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| straight cephalopods | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoids | | | | | | | | × | | × | | × | | × | × | × | × | × | × | × | × | | | × | |
| solitary coral | | | | | | | | | | | | | | × | × | × | × | | × | × | × | | | | |
| *Synamplexoides* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| undetermined tabulate coral | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | | | × | ? | | | | | | ? | × | × | × | × | × | × | × | | | | | |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | × | | | | | | | | | | | | | | | | | | |
| *Multisolenia* sp. | | | | | | | | | | | | | | | | × | | | | | | | | | |
| *Cystihalysites* sp. | | | | | | | | | | | | | | | × | | | | | | | | | | |
| ? *Atrypa* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Eospirifer* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Glassia variabilis* Whiteaves | | | | | | | | | | ? | | | | | | | | | | | | | | | |
| *Hesperorthis* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Howellella* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| aff. *Rhynchotreta* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |
| strophonellid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Encrinurus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | |

GSC

Figure 8. Continued

| Footage | 1379 | 1380 |
|---|---|---|
| GSC Fossil Locality Number | C-667 | C-668 |
| FAUNA | | |
| shell fragments and unidentified taxa | × | × |
| ostracods | × | × |
| *Dihogmochilina latimarginata* (Jones) | × | × |
| *Synamplexoides* sp. | | × |
| stromatoporoid | | × |
| undetermined tabulate coral | | × |
| ? *Eophacops* sp. | × | |

Figure 9. Lists of fossil occurrences, Division G, Kaskattama Well

| Footage | 1298 | 1302 | 1303 | 1306 | 1311 | 1312 | 1313 | 1314 | 1316 | 1317 | 1318 | 1319 | 1322 | 1323 | 1326 | 1327 | 1333 | 1334 | 1336 | 1339 | 1341 | 1343 | 1347 | 1348 | 1351 | 1352 | 1353 | 1368 | 1369 | 1371 | 1372 | 1373 | 1374 | 1375 | 1377 | 1378 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-632 | C-633 | C-634 | C-635 | C-636 | C-637 | C-638 | C-639 | C-640 | C-641 | C-642 | C-643 | C-644 | C-645 | C-646 | C-647 | C-648 | C-649 | C-650 | C-651 | C-652 | C-653 | C-654 | C-655 | C-656 | C-657 | C-658 | C-659 | C-660 | C-661 | C-662 | C-663 | C-664 | C-665 | C-666 | |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | | × | × | | | × | × | × | × | × | × | × | × |
| bryozoans | | | | | | | | | | × | | × | | | | | | | | | | | | | | | | | | × | | | | | | |
| stromatoporoids | | | × | ? | | | × | | × | × | × | × | | | × | | × | | × | | × | | | | | | | × | × | × | × | × | × | × | × | × |
| solitary corals | | × | | | | | × | | | × | | × | | | × | | | | | | | | | × | | | | | | × | | × | × | × | × | | |
| aff. *Ptychophylium* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | × | | | | | | | | | |
| *Alveolites* sp. | | | | | | | | | | | | × | | ? | | × | | | | × | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | | | | × | ? | ? | × | ? | × | | | | | | | | × | | | | | | | | | ? | × | × | ? | | | × |
| *Coenites* aff. *C. laminatus* (Hall) | | | | | | | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cystihalysites* sp. | | | | | | | × | ? | | × | × | × | | | | | | | | | | | | | | | | | | | × | × | × | | | |
| *Cystihalysites* aff. *C. compactus* (Rominger) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × | | | | | | | |
| *Cystihalysites* cf. *C. magnitubus* (Buehler) | | × | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Pentamerus* sp. | | | | | | | | | | | | × | | | | × | | | | | | | | | | | | | | | | | | | | |
| sowerbyellid brachiopod | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | | | | | | | | |
| ostracod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × | | |
| ? *Stegerhynchus* sp. | | | | | | | | | | | | | | | | | | | | | | | | × | | | | | | | | | | | | |

GSC

Figure 10. Lists of fossil occurrences, Division H, Kaskattama Well

| Footage | 1072 | 1097 | 1100 | 1108 | 1113 | 1125 | 1126 | 1131 | 1132 | 1133 | 1134 1135 | 1136 | 1139 | 1143 | 1152 | 1154 | 1157 1158 | 1159 | 1161 | 1162 | 1163 1164 | 1165 | 1166 | 1171 | 1180 | 1183 | 1185 | 1189 | 1190 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-579 | C-580 | C-581 | C-582 | C-583 | C-583a | C-584 | C-585 | C-586 | C-587 C-588 | C-589 | C-590 | C-591a | C-591 | C-592 | C-593 | C-594 | C-595 | C-596 | C-597 | C-598 | C-599 | C-600 | C-601 | C-602a | C-602 | C-603 | C-604 | C-605 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | | × | × | × | × | × | × | × | × | | | | × | × | × | | × | | × | | × | × | | × | × | × | | × | × |
| algae | ? | ? | | | | | | × | × | ? | ? | | | | | | ? | | | | | | | ? | ? | | | | ? |
| clams | | | | | | | | | | | | | | | | | | | | | | | | | | | | | × |
| bryozoans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| stromatoporoids | | | | | × | | | × | × | × | | × | × | | × | | × | × | × | × | × | × | × | | | ? | | | |
| solitary corals | | | | | × | | | | | × | | × | | | | | | | | | × | | | | | ? | | | × |
| *Palaeocyclus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Auiopora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | ? | |
| *Coenites* aff. *C. laminatus* (Hall) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Favosites* sp. | | | | | | | | | ? | ? | × | | | | | ? | ? | | ? | | | | | | × | | | | × |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Syringopora* cf. *S. verticillata* Goldfuss | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Heliolites* sp. | | | | | | | | | | | | | × | | | | | | | | | | | | | ? | | | |
| *Cystihalysites* sp. | | | | | | | | | | ? | | | | | | | ? | × | | | | ? | | | ? | | | | |
| *Cystihalysites* cf. *C. magnitubus* (Buehler) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Solenohalysites* sp. | | | | | | | | ? | | | | | | | | | | | | | | | | | | | | | |
| pentamerid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Pentameroides* cf. *P. expansa* (Whiteaves) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| spiriferid brachiopod | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Cosmiolithus* sp. | | | | | | | | | | | | | | | | | ? | | | | | | | | | | | | |
| ? *Alveolites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Figure 11. Lists of fossil occurrences, Division 1, Kaskattama Well

| Footage | 1193 | 1196 1197 | 1198 | 1200 | 1201 | 1202 | 1203 1204 | 1207 | 1208 | 1210 | 1212 | 1213 | 1214 | 1217 | 1219 1220 | 1221 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1231 | 1233 | 1234 | 1236 | 1243 | 1250 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSC Fossil Locality Number | C-606a | C-606 | C-607 | C-608 | C-609 | C-610 | C-611 | C-612 | C-613 | C-614 | C-615 | C-616 | C-617 | C-618 | C-619 | C-620 | C-621 | C-622 | C-623 | C-624 | C-625 | C-626 | C-627 | C-628 | C-629 | C-630 | C-630a | C-631 |
| FAUNA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| shell fragments and unidentified taxa | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × | × |
| algae | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| clams | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| bryozoans | | | | | | | | | | | | | | | | | × | | | | × | | | | | | | |
| stromatoporoids | × | × | × | × | × | × | × | | × | × | × | × | × | × | × | | × | × | × | × | | × | × | | × | × | | × |
| solitary corals | | × | | × | × | × | × | × | | | × | | | × | × | | | | | × | | | | | | × | |
| *Palaeocyclus* sp. | | × | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Aulopora* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Coenites* aff. *C. laminatus* (Hall) | | | | | | | | | | | | | | | | | | | | | × | | | | | | | |
| *Favosites* sp. | × | ? | | | | | × | | | | | | | ? | × | | | ? | | | × | | × | × | × | | | |
| *Favosites* cf. *F. favosus* (Goldfuss) | | | | | | | | | | | | | | | × | | | | | | | | | | | | | |
| *Syringopora* cf. *S. verticillata* Goldfuss | | | | | | | | | | | | | | | | | | | | × | | | | | | | | |
| *Heliolites* sp. | | | | | | | | | | | | | | | | ? | | | | | | | × | | | | | |
| *Cystihalysites* sp. | | | | | | | × | | | | | | | | | | | | × | | | | | | | | | |
| *Cystihalysites* cf. *C. magnitubus* (Buehler) | | | | | | | | × | | | | | | | | | | | | | | | | | | | | |
| *Solenohalysites* sp. | | | | | | | | | | | | | | | | | | | | × | × | | × | | | | | |
| pentamerid brachiopod | ? | | × | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Pentameroides* cf. *P. expansa* (Whiteaves) | | | | | | | | | | | | | | | | | | | | | | | | | | × | × | |
| spiriferid brachiopod | | | | | | | | | | | | | | | | | | | | | × | | | | | | | |
| *Cosmiolithus* sp. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ? *Alveolites* sp. | | | | | | | | | | | | | | | | | | | | | | | | | × | | | |

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Figure 11. Continued