

## **Great Limestone Fauna**

### **Plantae**

*Calcifolium bruntonense* Johnson 1958. 5, 41, 59, 98?, 149, 188, 222?.

*Garwoodia* sp. 59.

*Saccaminopsis* sp. 81, 144, 190, 231, 232, 233.

### **Foraminiferida**

Foraminifera 48, 262, 263, 266.

### **Sclerospongidae**

*Chaetetes depressus* (Fleming 1828). 1, 26s, 36, 41s, 48s, 53, 63, 65, 66, 82, 112, 160, 206s, 213, 235, 262s, 263, 264, 265, 267s, 268s, 272, 276.

### **Bryozoa**

*Fenestella* spp. 6, 21, 59, 96, 98, 112, 147, 149, 162, 171, 178, 184, 186, 195, 264, 273.

*Polypora* sp. 112.

*Rhabdomeson* sp. 48, 98?, 149, 160, 263.

*Rhombopora* sp. 6.

*Stenopora* sp. 112, 271, 272.

*Tabulipora* sp. 160, 190.

### **Anthozoa**

*Actinocyathus floriformis* (Martin 1809). 22, 34, 41, 45, 62s, 65s, 82, 192, 206, 225, 230, 231, 232, 237, 238, 244, 245, 262?, 263, 264s, 267, 268, 276.

*Aulophyllum fungites* (Fleming 1828). 1, 15, 19, 40, 47, 48?, 63, 78, 81, 98, 232, 233, 237, 238, 269, 276.

*Axophyllum* sp. 141.

*Caninia benburbensis* Lewis 1927. 18s, 20s, 41s, 45, 46s, 82s.

*C. cornucopiae* Michelin in Gervais 1840. 1, 26, 112.

‘*C.* . *juddi*’ (Thomson 1893). 47, 146, 183, 230, 232, 233.

*Carcinophyllum* sp. 81.

*Clisiophyllum keyserlingi* McCoy 1849. 18s, 19s, 28s 45s, 63s, 64s, 65, 66, 78, 264s.

*Dibunophyllum bipartitum bipartitum* (McCoy 1849). 1, 5, 15, 19, 22s, 26, 28, 34, 40s, 41, 45, 46, 48s, 54, 59, 62, 63, 64, 65, 66, 78, 81, 112, 141, 142, 144s, 146, 189s, 195, 206, 230, 232, 233, 236s, 237, 244, 262s?, 263s, 264, 268, 273.

- D. b. craiganum* (Thomson 1874). 63, 64, 65, 78, 81.
- D. b. konincki* (Edwards and Haime 1851). 15, 18, 19, 54, 63, 64, 65, 78, 81, 190, 273.
- Diphyphyllum fasciculatum* (Fleming 1828). 45, 48s, 63, 264, 265, 269s.
- D. furcatum* (Thomson 1887). 262, 263.
- D. gracile* McCoy 1851. 78, 160, 211.
- D. lateseptatum* McCoy 1849. 45, 78, 112, 232, 234, 236, 238, 263, 264.
- Fasciculophyllum* sp. 28, 257?
- Heterophyllia* sp. 6, 66, 78.
- Koninckophyllum interruptum* Thomson and Nicholson 1876. 1s, 22, 26, 62, 63, 64, 65, 66, 78, 81s, 82s, 112s, 149s.
- K. magnificum* Thomson and Nicholson 1876. 15, 19, 34, 54, 66, 78, 146.
- Lithostrotion* sp. 78.
- Lonsdaleia duplicata* (Martin 1809). 22, 66, 78, 237, 268, 269s, 276.
- ?*Orionastraea* sp. 192.
- Palaeosmilia* sp. 28, 268.
- Siphonodendron junceum* (Fleming 1828). 244, 263s, 268, 269s, 276.
- S. pauciradiale* (McCoy 1844). 1, 112.
- Zaphrentites constricta* (Carruthers 1910). 141.
- Zaphrentoid corals 1, 6, 40, 95, 98?, 142, 162, 183.

## Brachiopoda

- Actinoconchus paradoxus* McCoy 1844. 6, 54, 112, 144s, 238s, 245s, 263s, 266?
- A. planosulcatus* (Phillips 1836). 59, 238, 245.
- Alitaria panderi* (Muir-Wood and Cooper 1960). 17, 20, 22, 26, 28, 45, 62, 64, 65, 78, 81, 142, 230, 232, 238s, 245?.
- Angiospirifer trigonalis* (Martin 1809). 6, 36, 54, 96s, 102, 141, 144, 162, 170, 173, 176, 178, 188, 190, 232s, 233s, 236, 268, 270s, 271s, 276.
- Antiquatoria antiquata* (J Sowerby 1821). 102s, 149s, 184.
- A. costata* (J de C Sowerby 1827). 141.
- A. hinda* (Muir-Wood 1928). 264.
- A. insculpta* (Muir-Wood 1928). 160, 190.
- A. muricata* (Phillips 1836). 6, 59, 184, 188, 276.
- A. sulcata* (J Sowerby 1828). 33, 231.
- Avonia youngiana* (Davidson 1861). 6, 17, 20s, 22, 26, 28, 33s, 34, 45, 47s, 54s, 62s, 64, 65s, 78, 81, 82, 98s, 102, 141, 160, 162, 170, 178, 184, 190, 230, 232?, 237, 257s, 262?, 263s?, 264?.

- Balanocncha* sp. 189, 213, 230, 234?, 238, 270, 272.
- Beecheria* sp. 102, 160, 162, 190, 211, 213, 234, 237, 238, 263?, 264?.
- Brachythyris planicosta* (McCoy 1844). 6s, 17, 82s, 96s, 184s, 190s, 238s.
- Brochocarina* sp. 95, 149?, 160?, 162, 176, 233, 263, 264, 272.
- Buxtonia* sp. 17, 21, 33, 34, 59, 64, 78, 81, 96, 98, 102, 134, 141, 160, 162, 170, 171, 173, 174, 175, 176, 178, 188, 190, 202, 238, 245, 270, 271.
- Cleiothyridina fimbriata* (Phillips 1836). 6, 21s, 62s, 81s, 141s, 144, 146, 149s, 160s, 162s, 176s, 178s, 186s, 188s, 263s, 268s.
- Composita ambigua* (J Sowerby 1827). 66, 81s, 102s, 160, 173s, 183, 186, 190, 211, 232, 233?, 234, 237, 238, 245s, 265s?, 270, 271s.
- Coovenia ulothrix* (de Koninck 1843). 162.
- Crania quadrata* (McCoy 1844). 112.
- Crurithrys urii* (Fleming 1828). 22s, 54s, 96, 98?, 102s, 149s, 162s, 195s.
- Dielasma* sp. 19, 20, 26, 33, 34, 45, 47, 54, 59, 62, 63, 64, 65, 66, 78, 81.
- Echinoconchella elegans* (McCoy 1835). 1, 28s, 54, 62s, 81s, 102, 141, 142s, 149, 170, 190, 230, 233, 237.
- Echinoconchus punctatus* (J Sowerby 1822). 63, 78, 98, 112, 141, 186, 245, 268.
- Eomarginifera lobata* (J Sowerby 1821). 6, 18, 20s, 26, 28, 45s, 46s, 59, 64s, 65s, 96s, 102, 134, 141s, 149, 162s, 174, 175s, 176, 183, 188, 190, 195s, 206s, 222, 232s, 257, 265s, 269s, 271, 272s.
- E. longispina* (J Sowerby 1814). 41, 62, 82, 98, 112, 144, 146, 147, 149, 160, 171, 176, 178, 230, 236, 238, 245, 268, 271.
- E. setosa* (Phillips 1836). 78, 81.
- Etheridgina complectens* (Etheridge jun 1876). 1.
- Gigantopproductus expansus* (Sarytcheva 1928). 19s, 20s, 26s, 34s, 45s, 47s, 62s, 64s, 66s, 82s, 149, 160s, 176s, 183s, 211s, 232s, 264s.
- G. giganteiformis* (Lissitzin 1912). 78.
- G. giganteus* (J Sowerby 1821). 63, 78, 206, 213, 225, 233, 267, 268, 276.
- Girtyella saccula* (J de C Sowerby 1824). 41, 82, 232, 238.
- Globosochonetes parseptus* Brunton 1968. 6s, 81, 190s, 206s.
- Hustedia radialis* (Phillips 1836). 190.
- Kochipructus* sp. 188.
- Krotovia aculeata* (J Sowerby 1814). 81s, 82, 160, 162s, 178s, 183, 184, 190, 211, 230, 232, 233, 236, 237, 238, 245.
- K. spinosa* (J Sowerby 1814). 54, 102, 170.
- Lachrymula latior* (McCoy 1852). 78.

- Latiproductus latissimus* (J Sowerby 1822). 1, 6, 17s, 19, 20, 22, 26, 34, 41, 45, 47, 48, 54, 59, 62, 63, 65, 78, 81s, 98s, 141, 144, 160, 162, 176s, 183, 184, 186, 188, 190, 206, 211, 230, 231, 232, 236, 238, 244, 245, 262s, 266, 276.
- Leptagonia caledonica* Brand 1978. 1s, 78s, 82, 112s, 141, 142, 144, 162s.
- Lingula mytilloides* (J Sowerby 1812). 16, 54s, 98, 102, 186, 188, 195s, 202, 213s.
- L. squamiformis* Phillips 1836. 96.
- L. straeleni* Demanet 1934. 186.
- Linoproductus* sp. 78, 183, 184, 233.
- Liralingua* cf. *indicis* Graham 1970. 98.
- L. wilsoni* Graham 1970. 17s, 102s, 149, 186.
- Marginicinctus projectus* (Muir-Wood 1928). 144.
- Martinia* sp. 1, 6, 17, 18, 19, 20, 21, 22, 54, 78, 81, 102, 273.
- Megachonetes* sp. 134, 141, 142, 144.
- Merospirifer insolita* Reed 1949. 264?.
- Orbiculoides cincta* (Phillips 1843)/*nitida* (Phillips 1836). 59, 149, 160, 171, 186s.
- Overtonia fimbriata* (J de C Sowerby 1824). 41, 59, 96s, 112, 266, 268.
- Phricodothyris lineata* (J Sowerby 1822). 6, 19, 22s, 59s, 63s, 64s, 65s, 66s, 82s, 102, 160, 162, 170s, 188s, 189s, 190s, 213s, 230, 232, 238s, 244s, 262s, 264s, 265s, 266s, 268, 269s.
- Pleuropugnoides greenleightonensis* Ferguson 1966. 18, 33, 54s, 58s, 81s, 96s, 98, 149, 160, 170s, 171, 173, 176, 183s, 189s, 190s, 211s, 232s, 265s?, 270, 271, 272.
- P. pleurodon* (Phillips 1836). 48, 82, 184, 188, 268.
- Plicochoonetes crassistrius* (McCoy 1844) = ?*R. celticus* 112, 142, 149.
- P. interstriatus* (Davidson 1861) = ?*R. speciosus* 1, 20s, 26s, 28s, 54, 102.
- Productus carbonarius* de Koninck 1842. 17s, 21s, 22s, 33s, 38s, 47s, 48, 54, 62s, 78s, 81s, 96s, 102, 144s, 146s, 147s, 162s, 170s, 171s, 173s, 176s, 178s, 188, 190, 211s, 222s, 238s, 245s, 267s, 268s, 276s.
- P. concinnus* J Sowerby 1821. 59, 149, 160, 183, 184, 190.
- P. hispidus* Muir-Wood 1928. 229.
- P. productus* (Martin 1809). 190.
- Propriopugnus pugnus* (Martin 1809). 28, 41, 45, 47, 62, 186, 257.
- Pugilis kilbridensis* (Muir-Wood 1928). 142, 188s, 245s.
- P. pugilis* (Phillips 1836). 112, 144, 147, 263.
- Pugnax mesogonus* (Phillips 1836). 26s, 28s, 78s, 149.
- Pugnoides triplex* (McCoy 1844). 6.
- Punctospirifer* sp. 81, 147.
- Pustula* sp. 81.

*Rhipidomella michelini* Leveillé 1835. 142, 149.

*Rugosochonetes celticus* Muir-Wood 1962. 22, 26s, 33s, 41s, 45s, 47s, 62, 64s, 78s, 82s, 98s, 102, 147s, 149, 162, 170, 178, 186s, 189, 190, 195s, 222, 230s, 233s, 238s, 244s, 257, 262s, 263, 264s, 266?, 267s, 273.

*R. speciosus* (Cope 1938). 59, 98, 102, 134, 149, 160, 162, 170, 171, 173, 174, 176, 178, 184, 188, 190, 268.

*Schellwienella crenistria* (Phillips 1836). 22s, 48, 81s, 102, 112, 142s, 147, 170s, 171s, 174s, 178, 188s, 190s, 263s?, 264s, 268, 271s, 276s.

*S. rotundata* I Thomas 1910. 245

*Schizophoria resupinata* (Martin 1809). 1s, 6s, 26s, 41s, 45s, 48, 54, 59s, 64s, 65s, 78s, 81s, 102, 160, 171, 211s, 232, 233s, 245s, 263s?.

*Schuchertella radialis* (Phillips 1836). 6s, 142, 144.

*Sinuatella sinuata* (de Koninck 1851). 78, 82s, 112, 213s, 222s, 233, 234s, 238s, 245, 262s?, 264.

*Spirifer bisulcatus* J de C Sowerby 1825. 6s, 19, 28s, 33, 45, 47, 59s, 62s, 63s, 78s, 82s, 98s, 102, 112s, 141s, 142s, 146, 160, 162, 173, 183, 184, 188, 190s, 257, 271s.

*Spiriferellina* sp. 238.

*Tornquistia polita* (McCoy 1852)/*scotica* Brand 1970. 22, 46, 78, 81, 98?, 102, 141, 149, 170, 186, 188, 189, 190s, 222s, 230s, 258.

*Tylothyris subconica* (Martin 1809). 112, 272.

## Gastropoda

*Bellerophon* sp. 16, 82, 184, 188, 230, 232, 237.

*Boreostus* sp. 54.

*Euphemites pentonensis* (Weir 1931). 53s, 54s, 65s, 176s, 184, 190s, 211s, 272s.

*E. urii* (Fleming 1828). 58, 96, 98, 134, 144, 160, 195, 268.

*Glabrocingulum* sp. 98, 160.

*Ianthinopsis* sp. 237.

*Naticopsis globosa* (Hoeninghaus 1830). 1s, 28, 33s, 41s, 46, 53s, 81.

*N. variata* (Phillips 1836). 81, 171.

*Palaeostylus rugiferus* (Phillips 1836). 268.

*Palaeozygopleura* sp. 81, 195, 268.

*Retispira decussata* (Fleming 1828). 16s, 33s, 160, 184s, 188s, 190s, 195s, 222s.

*Soleniscus* sp. 21.

*Straparollus (Euomphalus) carbonarius* J de C Sowerby 1824. 33s, 78s, 144, 149, 268.

## Scaphopoda

*Dentalium* spp. 21, 96, 98, 102, 149, 162, 171, 188, 195, 222, 270.

## Bivalvia

*Acanthopecten* sp. 81.

*Actinopteria persulcata* (McCoy 1851). 149.

*Anthraconeilo laevirostrum* (Portlock 1843). 18s, 54s, 98, 102.

*A. luciniformis* (Phillips 1836). 96, 98, 160.

*A. mansoni* (Wilson 1970). 65, 96, 149, 162, 178, 188, 222, 271.

*Aviculopecten interstitialis* (Phillips 1836). 6s, 18s, 21s, 28s, 45s, 65s, 77s, 81s, 82s, 98s, 102, 149, 160s, 195, 268s.

*A. knockonniensis* (McCoy 1844). 16, 33.

*A. plicatus* (J Sowerby 1823). 190?.

*A. stellaris* (Philips 1836). 238, 245.

*A. tabulatus* (McCoy 1844). 21, 188.

*Aviculopinna mutica* (McCoy 1844). 176.

*Caneyella membranacea* (McCoy 1844). 98, 190.

*Cypricardella acuticarinata* (Armstrong 1865). 53s, 195, 238s.

*C. concentrica* Hind 1899. 78, 81, 98, 195.

*C. rectangularis* (McCoy 1844). 195.

*Dunbarella?* cf. *radiatus* (Phillips 1836) 265.

*Edmondia laminata* (Phillips 1836). 18, 33, 58s, 78s, 102s, 176s, 184s, 262s?, 271s.

*E. lowickensis* Hind 1895. 149

*E. maccoyi* Hind 1899. 98.

*E. oblonga* (Portlock 1843). 33.

*E. primaeva* (Portlock 1843). 98.

*E. sulcata* (Fleming 1828). 45, 48, 98, 176, 230, 232, 233.

*Leiopteria squamosa* (Phillips 1836). 78s, 149, 176s, 190s, 230s.

*L. thompsoni* (Portlock 1843). 33.

*Limipecten dissimilis* (Fleming 1828). 33, 149, 238, 265s.

*Lithophaga lingualis* (Phillips 1836). 33, 173.

*Myalina mitchelli* Wilson 1967. 78.

*M. verneuili* (McCoy 1844). 16.

*Nuculopsis gibbosa* (Fleming 1828). 102, 149, 160, 195s, 268.

*Obliquipecten laevis* Hind 1903.195.

*Palaeolima* sp. 81, 186, 188.

*Paleyoldia macgregori* Wilson 1967. 257.  
*Parallelodon cingulatus* (McCoy 1844). 190s, 230.  
*P. regularis* (Hind 1914). 195.  
*P. semicostatus* (McCoy 1843). 195.  
*P. squamifer* (Phillips 1836). 195.  
*Pernopecten sowerbii* (McCoy 1844). 21, 98, 184, 188, 190, 195s, 270s, 272s.  
*Phestia (Polidevcia) attenuata* (Fleming 1828). 21, 102, 149, 160, 178, 193.  
*P. (P.) sharmani* (Etheridge jun 1878). 53.  
*Posidonia corrugata* Etheridge jun 1873. 78s, 98, 174, 186s, 270.  
*Posidoniella* sp. 98.  
*Promytilus* sp. 77, 78, 190.  
*Pterinopectinella* sp. 98, 178, 195, 264?.  
*Sanguinolites costellatus* (McCoy 1851). 18s, 62s, 65s, 96s, 149, 171, 178s, 195s, 268s.  
*S. plicatus* (Portlock 1843). 102.  
*S. striatolamellosus* de Koninck 1842. 188.  
*S. tricostatus* (Portlock 1843). 78, 184.  
*S. variabilis* McCoy 1851. 176.  
*Schizodus axiniformis* (Phillips 1836). 16, 18s, 33, 58s, 160s, 190s, 230s, 268s.  
*S. portlocki* (Brown 1849). 232.  
*Solemya costellata* (McCoy 1844). 78, 102s.  
*S. excisa* de Koninck 1885. 230.  
*S. primaeva* Phillips 1836. 18, 147.  
*Solenomorpha parallela* (Hind 1900). 195.  
*Spathella* sp. 170, 178.  
*Streblochondria* sp. 21, 33, 54, 81, 98, 102, 149, 173, 188, 190, 264.  
*Streblopteria ornata* (Etheridge jun. 1873). 21s, 102, 178.  
*Sulcatopinna flabelliformis* (Martin 1809). 78, 162, 176, 184.  
*Wilkingia elliptica* (Phillips 1836). 142, 233.

## Rostroconchia

*Chaenocardiola footi* (Baily 1869) 102.  
*Conocardium alaeforme* (J de C Sowerby 1829). 33.

## Nautiloidea

*Catastrobooceras kilbridense* Turner 1965. 18s, 54, 98s.

*Epidomatoceras neilsoni* Turner 1965. 21.

*Orthoceras* sp. 16, 18, 98, 149, 160, 162, 175, 176, 178, 186, 195, 269.

*Reticycloceras* sp. 96, 98, 134.

### **Ammonoidea**

*Cravenites* sp. 149

### **Trilobita**

Trilobites 21, 22, 28, 66, 98, 149, 160, 184, 188, 190, 195, 233, 264, 268.

### **Crinoidea**

*Woodocrinus* sp. 149.

### **Echinoidea**

*Archaeocidaris urii* (Fleming 1828). 6, 59s, 112, 144, 173s, 233s.

## **Little Limestone Fauna.**

### **Annelida**

*Serpuloides* sp. 123, 138, 173.

### **Scyphozoa**

*Paraconularia* sp. 54.

### **Bryozoa**

*Fenestella* spp. 53, 54, 102, 122.

*Penniretepora* sp. 61.

*Polypora* sp. 61.

*Rhombopora* sp. 54, 269, 272.

### **Anthozoa**

*Dibunophyllum bipartitum* 76, 272s.

*Diphyphyllum fasciculatum* 32.

*D. lateseptatum* 126, 127.

*Zaphrentites constricta* 140.

### **Brachiopoda**

*Alitaria panderi* 54, 258.

*Angiospirifer trigonalis* 12, 38, 123, 127, 137, 143, 182, 272.

*Antiquatoria costata* 25s, 35s, 54, 81s.

*A. hinda* 190.

*A. sulcata* 140.

*Athyris expansa* (Phillips 1836). 54.

*Avonia youngiana* 12s, 32, 54, 61s, 127s, 140, 170, 182, 190, 258s, 269s, 271s, 272s.

*Beecheria* sp. 140.

*Brachythyris* sp. 140.

*Brochocarina* sp. 271.

*Buxtonia* sp. 25, 32, 54, 61, 76, 96, 99, 102, 123, 145, 148, 170, 173, 175, 178, 182, 183, 190, 222, 269.

*Cleiothyridina* sp. 76, 126, 127, 140.

*Composita ambigua* 12, 38s, 123s, 126s, 137, 140, 190, 222s, 258, 269, 271, 272.

*Crurithyris urii* 61s, 76s, 96, 272s.  
*Derbya* sp. 12, 76, 145.  
*Dielasma* sp. 54, 76.  
*Echinoconchella elegans* 54, 76s, 126s, 127, 140, 272.  
*Eomarginifera lobata* 12, 25s, 53s, 122, 123s, 127s, 143, 170, 182s, 190, 222, 271s.  
*E. longispina* 12, 99, 143, 272.  
*E. setosa* 12, 76, 99, 269.  
*Krotovia aculeata* 148, 190, 258, 269s, 272.  
*Latiproductus latissimus* 140, 182, 183, 190, 272s.  
*Lingula mytilloides* 25, 54, 81s, 96, 126, 138, 170, 175, 222, 269s.  
*L. squamiformis* 25, 54, 102, 170, 172, 173, 175.  
*Linoproductus* sp. 102.  
*Liralingua wilsoni* 122s, 170, 175s, 178, 222s.  
*Marginicinctus* sp. 99?, 271.  
*Martinia* sp. 76.  
*Orbiculoidea cincta/nitida* 35s, 36, 54, 61s, 76s, 96, 138, 170s, 175s, 178, 190s, 222s.  
orthotetoid 32, 53, 102, 190.  
*Overtonia fimbriata* 269, 272s.  
*Phricodothyris lineata* 54s, 170, 190, 258s.  
*Pleuropugnoides greenleightonensis* 25, 53, 61s, 76s, 81, 96s, 99, 102s, 121s, 126s, 127, 170, 172, 173, 174, 175s, 178s, 182s, 222s, 269, 271, 272s.  
*P. pleurodon* 36, 54, 170.  
*Productus carbonarius* 25, 35s, 76s, 81s, 95, 99s, 102, 121, 122s, 126s, 170s, 175s, 182, 183s, 222s, 269s, 271s, 272s.  
*P. concinnus* 54, 121, 140, 143, 148, 190.  
*P. productus* 61.  
*Promarginifera* sp 99, 126, 140, 145, 182, 272.  
*Propiopugnus pugnus* 76.  
*Pugilis kilbridensis* 140.  
*Rugosochonetes celticus* 25s, 32, 54, 61, 76s, 81s, 96, 102s, 123s, 126, 140, 170, 222s, 258s.  
*R. speciosus* 12, 35, 53, 96, 99, 122, 126, 127, 148, 170, 182, 190, 270.  
*Schellwienella crenistria* 25s, 32, 35, 36, 37, 38, 53, 61s, 99s, 102, 127, 143, 145, 173, 178, 190s, 269s, 271s.  
*Schizophoria resupinata* 25s, 126s, 137s, 269.  
*Serratocrista* sp. 122.

*Sinuatella sinuata* 25, 54, 81.  
*Spirifer bisulcatus* 25, 32, 53s, 76s, 95, 102s, 140, 190, 258.  
*Tornquistia polita/scotica* 25, 126, 271s.

### **Gastropoda**

*Bellerophon* sp. 99?, 190  
*Euphemites urii* 25s, 36, 37s, 61s, 76s, 81s, 96s, 99, 102s, 121s, 175, 190s, 269, 271.  
*Glabrocingulum armstrongi* E G Thomas 1940. 61, 81, 96s, 99s, 145.  
*Macrochilina* sp. 183.  
*Naticopsis* sp. 53?  
*Palaeostylus rugiferus* 96.  
*Retispira* spp. 36, 37, 96, 99, 102, 170.  
*Straparollus (E.) carbonarius* 99?.  
*Worthenia* sp. 61.

### **Scaphopoda**

*Dentalium* spp. 44, 61, 96, 99, 102, 126, 222, 269, 271.

### **Bivalvia**

*Actinopteria persulcata* 54, 96s, 143.  
*Anthraconeilo laevirostrum* 35s, 54s, 76, 81, 95, 102s.  
*A. luciniformis* 36, 38, 44, 61, 76, 81, 96, 99, 121, 175, 222, 269, 271.  
*A. mansoni* 36, 61, 81, 96, 99, 102, 175, 269, 271  
*Aviculopecten* sp. 12, 37, 61, 76, 99, 102, 173, 190, 258, 269.  
*Aviculopinna mutica* 96, 178.  
'*Carbonicola*' *pervetusta* Bennison 1954. 170s, 172s, 173s, 175.  
*Cardiomorpha* sp. 38, 96.  
*Cypricardella rectangularis* (McCoy 1844). 99.  
*Edmondia primaeva* 53s, 54, 61s, 81s, 96s, 99s, 102s, 148s, 173.  
*E. scalaris* (McCoy 1844). 182.  
*E. senilis* (Phillips 1836). 95.  
*E. unioniformis* (Phillips 1836). 25.  
*Leiopteria* sp. 170.  
*Limatulina alternata* (McCoy 1844). 81.  
*Limipecten dissimilis* 54, 102, 178.

- Lithophaga lingualis* 170.
- Myalina mitchelli* 175, 178.
- M. peralata* de Koninck 1885. 37, 170.
- Nuculopsis gibbosa* 54, 96s, 99, 178, 190, 271.
- Palaeolima simplex* (Phillips 1836). 271.
- Paleyoldia macgregori* 53.
- Parallelodon semicostatus* 54, 102s.
- Pernopecten* sp. 178, 190, 271.
- Phestia (Polidevcia) attenuata* 53, 61, 95, 99, 122, 182, 269.
- Posidonia corrugata* 54, 81, 96s, 99, 102, 126, 127, 269, 271, 272s.
- P. trapezoedra* Ruprecht 1937. 54.
- Posidoniella* cf. *vetusta* (J de C Sowerby 1829). 44. 271s.
- Pterinopectinella dumontiana* (de Koninck 1843). 170.
- P. cf. murchisoni* (McCoy 1844). 99.
- Sanguinolites abdenensis* Etheridge jun. 1877. 95s, 99s, 102s, 122, 175s.
- S. clavatus* Etheridge jun. 1876. 54.
- S. costellatus* 268.
- S. interruptus* Hind 1900. 44.
- S. plicatus* 190.
- S. striatus* Hind 1900. 170.
- S. variabilis* 36, 81, 271.
- Schizodus axiniformis* 36, 61s, 102s, 170s, 175s, 178s, 190.
- S. impressus* (de Koninck 1885). 182.
- S. portlocki* 81, 126.
- S. subaequalis* (de Koninck 1885). 37.
- Solenomorpha parallela* 61, 76s, 81, 121, 122s.
- Streblochondria* sp. 61, 81, 96, 99, 122, 126, 170, 173, 175, 190.
- Streblopteria ornata* 36, 37, 102s, 121, 122s, 126, 127, 170, 173, 175, 178, 182s, 190.
- Sulcatopinna flabelliformis* 37, 173, 190, 258, 269.
- Wilkingia maxima* (Portlock 1843). 140

## Cephalopoda

- Catastroboceras* sp. 25, 61, 81, 140.
- Coelonautilus* sp. 44.
- Epistroboceras kathleenae* Ramsbottom and Moore 1961. 54.

*Temnocheilus* sp. 190?.

*Tylonautilus* sp. early mut of Stubblefield 54, 102.

*Cycloceras* sp. 61, 81.

*Cyrtoceras rugosum* (Fleming 1828). 54.

*Orthoceras* sp. 25, 35, 44, 95, 96, 99, 102, 123, 182, 183, 190, 271.

*Reticycloceras* sp., 37, 54, 175, 272.

*Anthracoceras* sp. 81, 96?.

*Cravenoceras* sp. 81

## **Trilobita**

Trilobites 61, 102, 145, 190.

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*Planolites* sp. 102.

### **Sclerospongidae**

*Chaetetes depressus* 53, 76s, 79.

### **Porifera**

*Hyalostelia smithi* (Young and Young 1876). 54.

### **Anthozoa**

*Caninia* sp. 69?.

*Hexaphyllia marginata* (Fleming 1828). 76.

*Rotiphyllum charlestonense* (Thomson 1883). 76.

Zaphrentoid corals 54.

### **Annelida**

*Serpuloides carbonarius* (McCoy 1844). 39s, 49s, 69s, 96, 272s.

### **Bryozoa**

*Fenestella* sp. 41, 67, 69, 76, 175.

*Penniretepora* sp. 76.

*Rhabdomeson* sp. 69.

*Rhombopora* sp. 69.

### **Brachiopoda**

*Alitaria panderi* 41, 69, 79.

*Angiospirifer trigonalis* 41, 69, 96s.

*Avonia youngiana* 53, 54, 67s, 69, 76s, 79.

*Brachthyris* sp. 53, 69, 76.

*Brochocarina* sp. 102.

*Buxtonia* sp. 54, 76, 96, 127, 172, 271.

*Composita ambigua* 67, 76, 79, 102s, 127, 222, 271, 272.

*Dielasma* sp. 67, 76.

*Echinococonchella elegans* 39s, 41, 49s, 67s, 69, 76, 79, 102s.

*Echinocionchus punctatus* 41, 69cf.  
*Eomarginifera lobata* 39, 49, 67s, 80s, 190, 222, 255s.  
*E. longispina* 41, 127, 222cf., 272.  
*E. setosa* 49cf., 58, 76, 79, 102, 222.  
*Hustedia* sp. 76, 127, 190.  
*Krotovia* sp. 53, 79.  
*Lingula mytilloides* 39, 76, 81s, 127, 170s, 222s.  
*L. squamiformis* 49, 67, 102, 170, 178.  
*Martinia* sp. 67, 76, 79, 102?.  
*Phricodothyris* sp. 102.  
*Pleuropugnoides* sp. 41, 49, 53, 54, 76, 79, 102, 170, 175, 222, 271.  
*Productus carbonarius* 41, 53s, 69s, 76s, 102, 127?, 170s, 175s, 190s, 271s.  
*P. concinnus* 79.  
*Promarginifera* sp. 271.  
*Pugnax* sp. 53.  
*Punctospirifer* sp. 41, 67, 69.  
*Rugosochonetes celticus* 41, 67, 69s, 76s, 79s, 80s, 81s, 102s, 271, 272s.  
*R. speciosus* 222.  
*Schellwienella crenistria* 41s, 69, 170s, 175, 190s, 271s.  
*S. cf. rotundata* 127.  
*Schizophoria* cf. *resupinata* 175.  
*Spirifer bisulcatus* 39, 41, 49, 53s, 67, 69, 76, 79, 102.  
*Tornquistia* sp. 41.

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*Bellerophon* sp. 222?.  
*Donaldina* sp. 69.  
*Euphemites urii* 69s, 96, 102s, 127s, 190s, 271s, 272.  
*Glabrocingulum armstrongi* 69s, 80s, 96, 127s, 222?, 271.  
*Ianthinopsis* sp. 76, 79.  
*Naticopsis* sp. 49, 69, 76.  
*Palaeozygopleura* sp. 53, 76.  
*Retispira* cf. *exilis* (de Koninck 1883). 41s, 53.  
*R. cf. striata* (Fleming 1828). 96, 102.  
*Straparollus* sp. 76.

## **Scaphopoda**

*Dentalium inornatum* (McCoy 1844). 69s, 80s, 127s, 222s, 271s, 272.

## **Bivalvia**

*Anthraconeilo luciniformis* 67, 80, 96, 102s, 255, 271, 272.

*A. mansoni* 80, 96, 127, 255, 271, 272.

*Aviculopecten cf. knockonniensis* 39, 41s, 49, 81s, 127s.

*Edmondia senilis* 67s, 76, 102s, 175, 178s.

*E. sulcata* 41, 175.

*Euchondria* sp. 96, 127.

*Myalina mitchelli* 172, 175.

*Mytilomorpha* sp. 127, 190.

*Nuculopsis gibbosa* 69, 127s, 222s?, 271.

*Paleyoldia macgregori* 67, 127s.

*Phestia (Polidevcia) attenuata* 67, 76, 80, 96, 127, 222.

*Posidonia corrugata* 76, 102s?, 127s, 172s, 175, 222, 255, 272?.

*Sanguinolites costellatus* 69s, 76s, 96, 255, 271?.

*S. variabilis* 80, 96?, 127, 271.

*Schizodus portlocki* 39s, 49s, 76s, 96, 127cf., 175s, 222s, 272s.

*S. aff. taiti* Wilson 1962. 127.

*Sedgwickia* sp. 96.

*Streblochondria* sp. 76, 80, 102, 175, 222.

*Streblopteria ornata* 127, 175, 178, 271.

## **Rostroconchia**

*Conocardium alaeforme* 67.

## **Cephalopoda**

*Liroceras* sp. 69.

*Stroboceras* sp. 41.

*Cycloceras* sp. 39, 49, 76.

*Orthoceras* sp. 69, 80.

*Reticycloceras* sp. 96, 102?, 222.

**Trilobita**

Trilobites 41, 69.

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### **Sclerospongidae**

*Chaetetes depressus* 30, 102, 117.

### **Bryozoa**

*Fenestella* spp. 29, 30, 102, 107, 109, 117, 170, 190.

Trepostome bryozoan 109, 259.

### **Anthozoa**

*Dibunophyllum* sp. 191.

*Zaphrentites* sp. 191.

### **Brachiopoda**

*Alitaria panderi* 30, 102s, 109s.

*Angiospirifer trigonalis* 41.

*Antiquatoria muricata* 117, 151, 170, 181s.

*Buxtonia* sp. 30, 94, 102, 109, 117, 135, 151, 153, 168, 177, 178, 181, 190, 191.

*Cleiothyridina* sp. 41, 109, 170, 179.

*Composita ambigua* 94, 108, 109s, 117, 166, 168, 177, 179, 190s, 191.

*Crurithyris urii* 41, 107s, 259s.

*Dielasma* sp. 117.

*Echinoconchella elegans* 41.

*Echinoconchus punctatus* 29s, 30s, 102, 109s, 117, 153, 166, 178.

*Eomarginifera longispina* 108s, 109s, 135, 168s, 170, 178s, 179s, 190s, 191s.

*Gigantoprotodus irregularis* (Janischewsky 1954). 29s, 30s, 108, 117, 151s, 166, 168, 170, 178, 222s.

*Latiproductus latissimus* 29, 30, 94s, 102s, 108, 109, 117, 153, 166, 168, 170, 177, 178, 179, 181, 190, 191, 222.

*Lingula mytilloides* 4s, 41, 54, 102, 168, 190.

*Liralingua wilsoni* 223.

*Orbiculoides cincta/nitida* 41s, 58, 102, 135, 178s.

Orthotetoids 4, 29, 30, 54, 58, 94, 131, 168, 178, 190, 269.

*Phricodothyris lineata* 102, 109s, 153, 166, 191s..

*Pleuropugnoides greenleightonensis* 29s, 30s, 42s, 58s, 94, 102s, 109s, 117, 131, 151, 166s, 170, 178s, 179, 181.

*Productus carbonarius* 54s, 94s, 96s, 102, 181s.  
*P. concinnus* 117.  
*P. hibernicus* Muir-Wood 1948. 102.  
*P. hispidus* 41.  
*Promarginifera* sp. 135.  
*Rugosochonetes celticus* 29s, 41s, 58s, 108, 109, 117, 151, 166s, 168, 191.  
*Schellwienella arachnoideum* (Phillips 1836). 42s, 151s, 166.  
*S. rotundata* 96, 166, 168, 170.  
*Schizophoria resupinata* 108s, 170, 179, 259s.  
*Schuchertella* sp. 117.  
*Serratocrista* sp. 168.  
*Spirifer bisulcatus* 4s, 41, 42, 181s, 190s.

## Gastropoda

*Bellerophon anthracophilus* Frech 1906. 41s, 131s, 170, 179s.  
*Euphemites urii* 54s, 168s, 170, 178.  
*Glabrocingulum* sp. 30.  
*Naticopsis* sp. 170.  
*Platyschisma glabrata* (Phillips 1836). 41.  
*Retispira* sp. 102, 170.

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*Anthraconeilo mansoni* 94, 168, 223s.  
*Aviculopecten knockonniensis* 94s, 109s, 117s, 131s, 170, 190s, 191s.  
*Aviculopinna mutica* 170.  
*Cardiomorpha* sp. 170.  
*Edmondia expansa* Hind 1899. 4s, 117s, 168, 223s.  
*E. sulcata* 108, 151, 178.  
*E. unioniformis* 178.  
*Euchondria* sp. 178.  
*Leiopteria thompsoni* 29s, 131, 190s.  
*Myalina mitchelli* 42s, 131, 135.  
*Nuculopsis gibbosa* 30, 54, 102, 131, 190.  
*Pernopecten* sp. 168.  
*Phestia (Polidevicia) attenuata* 102.

*Posidonia corrugata* 42, 54, 102, 170, 178.  
*Posidoniella variabilis* Hind 1897. 42.  
*Prothyris* sp. 178.  
*Pterinopectinella* sp. 190.  
*Schizodus portlocki* 42s, 131s, 170.  
*S. taiti* 170.  
*Solenomorpha* sp. 94.  
*Streblopteria ornata* 94, 131, 178.  
*Sulcatopinna flabelliformis* 41, 109s, 168s, 170, 179.  
*Wilkingia elliptica* 108s, 117, 178.

### **Cephalopoda**

*Catastroboceras* sp. 30.  
*Epistroboceras sulcatum* (J de C Sowerby 1826). 41.  
*Reticycloceras* sp. 94, 170, 178.  
*Anthracoceras* sp. 102.

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### **Annelida**

*Serpuloides* sp. 54.

### **Bryozoa**

*Fenestella* spp. 109, 111, 168, 170.

*Penniretepora* sp. 109, 168.

*Rhombopora* sp. 109.

Trepostome bryozoa 102.

### **Anthozoa**

*Aulophyllum* sp. 94.

*Dibunophyllum* sp. 109.

*Diphyphyllum* sp. 170.

*Syringopora* sp. 94, 102, 109.

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### **Brachiopoda**

*Actinoconchus* sp. 80, 168.

*Alitaria panderi* 23, 111.

*Angiospirifer trigonalis* 4.

*Antiquatoria muricata* 2s, 111, 170.

*Avonia youngiana* 23s, 53, 102, 109, 168, 170s.

*Buxtonia* sp. 58, 81, 91, 96, 102, 111, 168, 261.

*Cleiothyridina* sp. 23.

*Composita ambigua* 54, 80s, 81s, 91s, 94s, 109, 111, 223, 255, 261.

*Crurithyris* sp. 54, 80.

*Dielasma* sp. 23.

*Echinoconchella elegans* 53, 109.

*Echinoconchus punctatus* 109.

*Eomarginifera lobata* 4s, 58, 168s, 222, 255s, 261.

*E. longispina* 54, 80, 102, 109, 111.

*E. precursor* (Muir-Wood 1928). 109.

*Gigantoprotodus expansus* 168.

*G. protvensis* (Sarytcheva 1928). 94.  
*Krotovia aculeata* 261.  
*Latiproductus latissimus* 94s, 168, 170, 222.  
*Lingula mytilloides* 23, 80, 81, 102, 109, 178, 181, 223, 277.  
*L. squamiformis* 13, 277.  
*Liralingua wilsoni* 255.  
*Orbiculoides cincta/nitida* 4, 23s, 58s, 80s, 102, 109, 178s, 223s, 277.  
*Overtonia fimbriata* 53.  
*Phricodothyris* sp. 91, 109, 111, 222.  
*Pleuropugnoides greenleightonensis* 27, 111.  
*Productus carbonarius* 2, 53s, 80s, 91s, 168s, 170s, 261s.  
*P. productus* 81.  
*Pugilis* sp. 222.  
?*Pustula* sp. 58.  
*Rhipidomella michelini* 53.  
*Rugosochonetes celticus* 2, 4, 23, 42, 53, 109, 111, 168, 223.  
*Schellwienella* sp. 2, 23, 27, 96, 223.  
*Schizophoria* sp. 222, 223.  
*Spirifer bisulcatus* 2s, 23, 109s.  
*S. striatus* group 94.  
*Spiriferellina octoplicata* (J de C Sowerby 1827). 53s, 58s, 109, 168.  
*Tornquistia polita/scotica* 2, 53s, 109.

## **Gastropoda**

*Euphemites* sp. 102.  
*Glabrocingulum* sp. 178.  
*Ianthinopsis* sp. 23, 80.  
*Naticopsis consimilis* de Koninck 1881. 13s, 91.  
*Pseudozygopleura* sp. 13.  
*Retispira decussata* 80s, 91, 96s, 102.  
*R. striata* 23.  
*R. undatum* (Etheridge jun. 1876). 261.  
*Soleniscus* sp. 102.  
*Straparollus (E.) carbonarius* 4, 13s, 109, 261s.

**Bivalvia**

*Actinopteria regularis* (Etheridge jun. 1873). 14.  
*Anthraconeilo laevirostrum* 4s, 81.  
*A. luciniformis* 255  
*A. mansoni* 109.  
*Aviculopecten* sp. 4, 23, 80, 81, 91, 109.  
*Cardiomorpha* sp. 96.  
*Edmondia* sp. 23, 58.  
*Leiopteria lunulata* (Phillips 1836). 80.  
*Limatulina scotica* Hind 1903. 261.  
*Lithophaga lingualis* 102, 109.  
*Myalina verneuili* 13, 53s, 277s.  
*Palaeolima simplex* 80s, 111.  
*Paleyoldia* sp. 80.  
*Parallelodon* cf. *reticulatus* (McCoy 1844). 255s, 261.  
*P. squamifer* (Phillips 1836). 13.  
*Pernopecten* sp. 23, 109, 222.  
*Phestia* (*Polidevcia*) *attenuata* 4, 23s, 54, 58, 80s, 81, 91, 102, 178, 261.  
*Posidonia corrugata* 109.  
*Sanguinolites* sp. 23, 81.  
*Schizodus* sp. 4, 27, 277.  
*Solenomorpha parallela* 80, 91, 255s.  
*Streblochondria* sp. 23, 27, 81?, 109.  
*Streblopteria* sp. 91.

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*Conocardium* sp. 109.

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*Orthoceras* sp. 222.  
*Catastroboeras* sp. 54, 91?, 109, 261?.  
*Cravenoceras* sp. 23.

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Trilobites 2, 4, 23, 109, 223.

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### **Sclerospongidae**

*Chaetetes* sp., 58, 80.

### **Porifera**

*Hyalostelia parallela* McCoy 1844. 54.

### **Annelida**

*Serpuloides carbonarius* 96, 221s, 239s, 277.

### **Bryozoa**

*Fenestella* spp. 31, 53, 54, 68, 81, 94, 102, 115, 120, 129, 139, 165, 167, 170, 176, 177, 178, 180, 239, 256, 274.

*Penniretepora* sp. 94, 115, 120, 170, 239.

*Polypora* sp. 120.

*Rhabdomeson* sp. 94, 170, 177.

*Septopora* sp. 80, 239

Trepostome bryozoa 96, 139, 222, 274.

### **Anthozoa**

*Aulophyllum fungites* 58, 102, 115, 120, 129, 159, 177, 256, 260.

‘*Caninia*’ *juddi* 73s, 115.

*Dibunophyllum bipartitum* 102, 106?, 115, 120s, 129, 150?, 176s, 181s, 260.

*D. b. konincki* 115.

*D. linnense* Hill 1938. 115.

*Koninckophyllum interruptum* 115.

*Lonsdaleia caledonia* Smith 1916. 115.

*Siphonodendron junceum* 274.

*Siphonophyllia* sp. 115.

*Zaphrentites* sp. 68, 94, 165, 167, 170, 177.

### **Brachiopoda**

*Alitaria panderi* 27, 80, 94s, 129, 132, 139s, 159.

*Angiospirifer trigonalis* 27, 51, 159, 176, 177, 221, 223s, 239s.

*Antiquatoria antiquata* 68s, 136s, 159, 165, 177, 242s, 260s.  
*A. costata* 54, 274.  
*A. insculpta* 150, 274.  
*A. muricata* 115, 170, 177, 274.  
*Avonia youngiana* 24s, 27, 76, 80, 84s, 85, 102s, 120, 139s, 159, 167s, 170, 176s, 177, 274s.  
*Beecheria* sp. 102, 239.  
*Brachythyris* sp. 73, 84, 115, 119, 165, 239.  
*Brochocarina* sp. 80, 85, 129, 239.  
*Buxtonia* sp. 24, 31, 73, 76, 84, 96, 97?, 102, 128, 129, 136, 150, 159, 181, 239, 242, 274.  
*Cleiothyridina fimbriata* 54, 94s, 102s, 106s, 120s, 139s, 150s, 170s, 176s, 178s.  
*Composita ambigua* 80, 85, 96s, 102, 106s, 115, 120, 159, 165, 170s, 177, 178s, 221, 222s, 223s, 242, 260s.  
*Crania* sp. 2.  
*Crurithyris urii* 7s, 94, 102s, 139, 159s, 167s, 170s, 176s, 180s, 239, 274s.  
*Derbya gigantea* I Thomas 1910. 58, 136.  
*Dictyoclostus pinguis* (Muir-Wood 1928). 120.  
*D. semireticulatus* (Martin 1809). 120, 159.  
*Dielasma* sp. 24, 54, 58, 68, 130, 139s.  
*Echinococonchella elegans* 31s, 73s, 102, 120, 165s.  
*Echinococonchus punctatus* 27, 54, 58, 80, 94, 102, 115, 120, 129, 132, 139, 159, 170, 239, 274.  
*Eomarginifera lobata* 54s, 68s, 96s, 139s, 167s, 180s, 181, 223s, 274s.  
*E. longispina* 80, 102, 120, 129, 132, 152, 165, 170, 176, 177, 221, 239, 260.  
*E. praecursor* 94, 106, 120, 170.  
*E. setosa* 181.  
*Gigantoprotodus expansus* 58s, 73s, 96, 176s, 221s, 222s.  
*G. irregularis* 152.  
*G. protvensis* 115.  
*Krotovia* sp. 54, 260.  
*Latiproductus latissimus* 94, 96, 97, 102, 106, 115, 120, 139, 150, 152, 159, 165, 169s, 170, 176s, 181, 221, 222, 260, 274.  
*Leptagonia smithi* Brand 1972. 120, 159, 176s.  
*Lingula mytilloides* 54, 76s, 96, 128, 132, 170, 175s, 178, 180, 221, 222s, 239.  
*Liralingua wilsoni* 96, 106, 129, 139, 242.  
*Martinia* sp. 7, 54, 119.

*Orbiculoidea cincta/nitida* 2, 54, 85s, 128, 129, 170s.  
*Phricodothyris lineata* 76, 94s, 102, 120s, 129s, 150, 165s, 169s, 221s, 223s, 239s.  
*Pleuropugnoides greenleightonensis* 96s, 136, 176s, 181s.  
*Productus carbonarius* 24s, 43s, 58, 76s, 80s, 94s, 96s, 97s, 175s, 178s, 181s, 221s, 222s, 239, 274s.  
*Pugilis pugilis* 129, 139, 159, 170s, 274.  
*Pugnax* sp. 132.  
*Punctospirifer northi* Muir-Wood 1927. 31, 81s, 96, 274s.  
*Rhipidomella michelini* 43, 58, 129, 165.  
*Rugosochonetes celticus* 27s, 43s, 54s, 68s, 76s, 81s, 84s, 85, 94, 97, 102, 115, 119, 120, 129, 132, 139, 159, 167, 170, 176, 177, 178, 221, 222s, 239, 256s.  
*Schellwienella crenistria* 27, 43s, 53, 68s, 73, 81s, 96s, 97s, 178s, 181s, 223s, 239, 242, 274.  
*Schizophoria resupinata* 54s, 80, 81s, 85s, 96, 115, 120, 139s, 159, 165s, 167s, 170, 178s, 222, 223s, 242, 256s, 274.  
*Schuchertella radialis* 54s, 94.  
*Sinuatella sinuata* 119, 128, 221s.  
*Spirifer bisulcatus* 27, 31s, 54s, 58s, 68s, 84, 85, 97s, 102, 119, 129s, 139s, 152s, 165, 167, 170, 221s, 222, 242, 274.  
*Spiriferellina octoplicata/perplicata* (North 1920). 43s, 54s, 115s, 120, 128, 129, 165s, 167, 170, 176, 177, 178, 239s, 274.  
*Tornquistia polita/scotica* 54s, 76, 85s, 94s, 102, 120, 129, 165, 170, 175s, 176, 181.

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*Bellerophon sowerbii* (d'Orbigny 1840). 177.  
*Euphemites ardenensis* (Weir 1931). 84s, 94s, 221s, 223s, 239.  
*E. urii* 96, 97, 102, 165, 177, 242.  
*Glabrocingulum armstrongi* 96s, 102s, 165s, 170, 221s, 222s, 239.  
*Ianthinopsis* sp. 170, 242.  
*Naticopsis variata* 94, 102s, 165s, 170, 222s, 242, 274?.  
*Palaeostylus rugiferus* 170s, 176, 221, 239.  
*Platyceras* sp. 94, 239.  
*Retispira* spp. 165, 170, 176, 178, 221, 239, 242.  
*Soleniscus* sp. 94, 102.  
*Straparollus* sp. 181, 274.  
*Stroeus* sp. 170.

## **Scaphopoda**

*Dentalium* spp. 94, 96, 102, 120, 176, 223, 242.

## **Bivalvia**

*Actinopteria* sp. 274.

*Anthraconeilo laevirostrum* 96, 181s, 239.

*A. luciniformis* 96.

*A. mansoni* 94, 96, 97, 102, 223.

*Aviculopecten interstitialis* 53, 58s, 94s, 102s, 120s, 128s, 167s, 170s, 178s, 180s, 239s, 242s, 274s, 277s.

*A. knockonniensis* 53, 54.

*A. plicatus* 73.

*Aviculopinna mutica* 242.

*Cardiomorpha hindi* Wilson 1960. 96, 170s.

*Cypricardella concentrica* 120s, 170, 223s, 274s.

*C. rectangularis* 180, 242.

*Dunbarella* sp. 58, 242.

*Edmondia arcuata* (Phillips 1836). 27s, 73s, 81s, 96s, 120s, 165s, 169s, 170s, 242, 256s?, 274s.

*E. expansa* Hind 1899. 132.

*E. cf. laminata* (Phillips 1836). 221.

*E. primaeva* 242.

*E. senilis* 242.

*E. sulcata* 31, 102, 129, 239, 242.

*E. unioniformis* 97?, 222.

*Euchondria* spp. 7, 80, 94.

*Koninckopecten* sp. 170, 242?.

*Leiopteria lunulata* 81, 94, 167s.

*L. thompsoni* 239, 242.

*Limipecten* cf. *dissimilis* 53, 94, 102, 120, 170, 239, 242.

*Lithophaga lingualis* 150.

*Modiolus* sp. 165, 242.

*Myalina* sp. 150, 274.

*Nuculopsis* aff. *croneisi* Schenck 1939. 221, 223s.

*N. gibbosa* 97, 242.

*Palaeolima simplex* 54, 58, 167, 170s, 239, 242.

*Paleyoldia macgregori* 54s, 94, 221s, 239, 242s.  
*Parallelodon corrugatus* (de Koninck 1885). 97s, 102, 120s, 167, 168, 170, 176, 178s, 221s, 242s.  
*P. reticulatus* (McCoy 1844). 274.  
*Pernopecten* sp. nov. 167, 170, 176, 178, 180, 221s.  
*Phestia (Polidevicia) attenuata* 94, 97, 102, 128, 218, 239, 274.  
*Posidonia corrugata* 96, 97, 102, 165, 167, 176, 177, 180, 222, 242s.  
*P. aff. lamellosa* (de Koninck 1885). 96.  
?*Promytilus* sp. 181, 222, 242.  
*Prothyris scotica* Wilson 1963. 96.  
*Pterinopectinella* sp. 167, 181, 239.  
*Sanguinolites clavatus* 102s, 129s, 165s, 170s, 177s, 242, 274s?.  
*S. plicatus* 175.  
*S. tricostatus* (Portlock 1843). 242,  
*S. v-scriptus* Hind 1900. 242.  
*S. variabilis* 96.  
*Schizodus* cf. *taiti* 96, 97, 102s, 119s, 242s, 274s.  
*Solemya* sp. 120.  
*Streblochondria* sp. 31, 68, 96, 97, 176, 180, 239, 242, 260.  
*Sulcatopinna flabelliformis* 136.

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*Conocardium* sp. 94, 177.

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*Catastroboceras thornliebankense* Turner 1965. 54s, 102s, 221.  
*Coelonautilus* sp. 274.  
*Epidomatoceras subsulcatum* (Phillips 1836). 84, 120s, 139, 239s, 242.  
*Tylonauutilus* sp. 54.  
Nautiloid cephalopod 96, 150, 175, 221.  
*Cyrtoceras rugosum* 54, 274.  
*Orthoceras* sp. 73, 80, 94, 120, 129, 176, 177, 178, 181, 222, 239, 274.  
*Anthracoceras* aff. *discoides* Bisat 1900. 81s, 129, 180s.

## Trilobita

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*Archaeocidaris* sp. 120, 181, 256, 274.

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### **Scyphozoa**

*Paraconularia* sp. 52.

### **Annelida**

*Serpuloides* sp. 100, 240

### **Bryozoa**

*Fenestella* spp. 3, 7, 10, 52, 72, 75, 96, 110, 113, 158, 162, 177, 221, 241, 243.

*Penniretepora* sp. 10.

*Rhabdomeson* sp. 80, 181.

*Septopora* sp. 224.

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### **Anthozoa**

*Aulina* spp. 7, 8, 9, 104, 110, 113, 119.

*Aulophyllum fungites* 113, 158.

*Bothrophylloides* cf. *longisepta* (Lewis 1931). 110.

*Caninia* sp. 52.

*Clisiophyllum* sp. 110.

*Dibunophyllum bipartitum bipartitum* 7, 9, 10, 104, 110, 113, 181s.

*D. b. craiganum* 8, 52.

*D. b. konincki* 52, 113.

*D. linnense* 161.

*Fasciculophyllum* sp. 52, 80.

*Koninckophyllum* sp. 52, 110.

*Lithostrotion decipiens* McCoy 1844. 52, 113.

*L. rossica parva* Nouyen Duc Khoa 1977. 104, 110.

*Rhopololasma* sp. 52.

*Siphonodendron junceum* 110.

*S. pauciradiale* (McCoy 1844) 110.

*Syringopora* sp. 80.

Zaphrentoid corals 10, 80, 104, 110, 226.

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- Angiospirifer trigonalis* 7, 113, 226, 227s.
- Antiquatoria insculpta* 9s, 52, 75s, 241s.
- A. muricata* 113, 156, 181, 221.
- A. sulcata* 52.
- Avonia youngiana* 7s, 10s, 75s, 158s, 161, 240.
- Beecheria* sp. 102, 241.
- Brachythryis* sp. 10.
- Brochocarina* sp. 85, 224, 240.
- Buxtonia* sp. 3, 7, 11, 52, 72, 74, 75, 81, 86, 100?, 102, 110, 156, 177, 181, 224, 240, 241, 243, 277.
- Cleiothyridina fimbriata* 52.
- Composita ambigua* 3, 8s, 52, 113, 119s, 156s, 158, 161, 224, 227, 240, 241, 277.
- Crurithyris urii* 96s, 241.
- Derbya gigantea* 72, 81cf., 86, 198s?, 240s.
- Dielasma* sp. 10, 11, 72, 81, 86.
- Echinoconchella elegans* 100.
- Echinoconchus punctatus* 9, 10, 52, 54s, 110s, 161.
- Eomarginifera longispina* 9s, 10s, 11s, 51s, 52s, 100s, 102, 113s, 158.
- E. praecursor* 158, 181.
- E. setosa* 181?.
- Gigantoproductus* sp. 9.
- Krotovia aculeata* 10s, 52, 86.
- K. spinosa* 102.
- Latiproductus latissimus* 104, 110, 113, 158, 277.
- Lingula mytilloides* 52, 80, 85, 102, 177s, 181, 198, 221s, 227, 240, 277s.
- Linoproductus* sp. 80?, 227.
- Liralingua wilsoni* 240, 241s.
- Meekella leei* I Thomas 1910. 227, 240s.
- Orbiculoides cincta/nitida* 11s, 50, 54, 71, 72s, 102s, 156, 158s, 241s, 243s.
- Phricodothyris* sp. 3, 7, 52, 54, 102, 104, 161, 277.
- Pleuropugnoides greenleightonensis* 72, 74s, 81s, 85s, 86, 119, 156s, 226s, 241s.
- Productus carbonarius* 7, 10s, 11, 51, 71s, 74s, 80, 81, 96, 100s, 158s, 198, 227, 240, 241, 243, 277s.
- P. productus* 80, 85.
- Pugilis pugilis* 52s, 158, 177s, 224, 277.

*Rhipidomella* sp. 158.

*Rugosochonetes celticus* 7s, 10, 51s, 52s, 54s, 81s, 96, 100s, 110s, 158, 161s, 181, 221s, 226, 227.

*Schellwienella crenistria* 81s, 96s, 100s, 181s, 221s, 224, 226, 227, 240, 241, 243s.

*S. rotundata* 227.

*Schizophoria resupinata* 7s, 10s, 11s, 71s, 74s, 75s, 81s, 86s, 96, 100, 113s, 158, 161s, 181s, 198s, 221s, 224, 226, 227, 240, 241, 243.

*Schuchertella radialis* 75s, 241.

*Sinuatella sinuata* 3, 8, 11, 52, 71, 74, 75, 86, 100s?, 102, 156s, 224, 243?, 277.

*Spirifer bisulcatus* 10s, 52s, 54s, 102s, 158, 198s, 221, 240, 277.

*S. striatus* 181.

*Spiriferellina octoplicata* 96s, 158.

*Tornquistia polita/scotica* 81, 158, 181.

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*Aclisina* sp. 241.

*Bellerophon costata* (J de C Sowerby 1824). 226.

*Donaldina* sp. 80, 221, 240.

*Euphemites ardenensis* 50s, 54s, 96, 100, 102s, 224, 240, 277s.

*E. hindi* (Weir 1931). 240.

*E. jacksoni* (Weir 1931). 85.

*E. urii* 96, 100, 224, 226, 227, 240, 241, 243.

*Glabrocingulum armstrongi* 80s, 96, 100, 221s, 224cf., 240s, 243.

*Ianthinopsis* sp. 86, 96, 240.

*Naticopsis* sp. 85, 86, 181.

*Pseudozygopleura scalaroides* (Phillips 1836). 96.

*Platyceras neritoides* (Phillips 1836). 52.

*Retispira decussata* 80s, 85, 86s, 181s, 224, 241s, 243s.

*R. cf. exilis* 100.

*R. striata* 85, 96.

*R. undata* 54.

*Shansiella* sp. 71.

*Stegocoelia (Hyperonia) quadricarinata* (McCoy 1844). 241.

*Straparollus* sp. 10, 104, 110, 277.

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*Dentalium* spp. 80, 85, 100, 224, 241, 243.

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*Anthraconeilo laevirostrum* 50s, 54s, 74s, 96, 100, 198s, 221s, 241, 243.

*A. luciniformis* 100.

*A. mansoni* 85, 96, 100, 241, 243.

*Aviculopecten interstitialis* 11, 71s, 72, 80s, 81s, 86, 110s, 181, 198s, 240s, 241s.

*A. jonesii* (McCoy 1844). 86.

*A. plicatus* 100.

*Cardiomorpha* sp. 86, 240.

*Cypricardella concentrica* 86, 100s, 241s.

*C. rectangularis* 240.

*Edmondia maccoyi* 9s, 11s, 54s, 72s, 85s, 96s, 161s, 198s, 240s, 243s, 277.

*E. senilis* 80, 81?.

*E. sulcata* 96, 100, 102, 240, 241.

*E. unioniformis* 100, 241.

*Euchondria* sp. 221, 224?.

*Koninckopecten scotica* (Hind 1903). 85, 86, 100, 240s.

*Leiopteria laminosa* 80s, 81s, 110.

*L. lunulata* 71.

*L. thompsoni* 241.

*Myalina mitchelli* 50, 71s, 100s, 158s, 243.

*M. pernoides* (Portlock 1843). 86.

*Nuculopsis gibbosa* 50, 85, 96s, 221, 224, 243, 277.

*Palaeolima simplex* 71, 75, 96, 100, 241, 243s.

*Paleyoldia macgregori* 85s, 96, 100, 224s, 240, 241.

*Parallelodon reticulatus* 224s, 243.

*P. semicostatus* 54, 80, 81, 96, 100, 159.

*P. theciformis* de Koninck 1885. 80.

*P. walcidioresis* de Koninck 1885. 240, 241.

*Pernopecten* sp. nov. 11s, 71, 80, 96, 100s, 241.

*Phestia (Polidevcia) attenuata* 50, 54, 74, 85s, 96, 100, 221s, 224, 243.

*Posidonia corrugata* 54s, 71, 85, 96, 198s, 241s.

*Posidoniella* sp. 100.

*Promytilus* sp. 85, 86, 181.

*Prothyris* sp. 102.  
*Pseudomonotis* sp. 240.  
*Pterinopectinella* sp. 96, 181.  
*Sanguinolites striatus* 75s, 80s, 96s, 240.  
*S. tricostatus* 240.  
*S. variabilis* 86, 102.  
*Schizodus axiniformis* 72s, 86, 100s, 198s, 224s, 227s, 277s.  
*S. portlocki* 85, 86, 243.  
*S. taiti* 96, 240, 241, 243.  
*Sedgwickia* sp. 85, 96, 119.  
*Solemya* sp. 86.  
*Solenomorpha parallela* 96.  
*Streblochondria* sp. 11, 51, 71, 81, 96, 100?, 102, 181, 241.  
*Wilkingia elliptica* 72, 86, 100s.

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*Orthoceras* sp. 96, 100, 227.  
*Catastroboceras kilbridense* 80, 96s, 241s.  
*Coelonautilus* sp. 198.  
*Epidomatooceras* sp. 11.  
*Pseudocatastroboceras* sp. 159.  
*Solenocheilus pentagonus* (J Sowerby 1819). 104.  
*Tylonautilus nodiferus* (Armstrong 1866). 72, 88, 96, 100, 104, 198, 221, 226, 227, 240, 241.  
*Anthracoceras glabrum* Bisat 1926. 54s, 96s, 198s, 241.  
?Cravenoceras sp. 221.  
*Cravenoceratoides* sp. 11.

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*Archaeocidaris* sp. 224.

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*Rhombopora* sp. 102.

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*Dibunophyllum* sp. 156.

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*Angiospirifer trigonalis* 102, 156.

*Antiquatonia muricata* 102, 156.

*Beecheria* sp. 116.

*Buxtonia* sp. 102, 105, 116, 154s.

*Composita ambigua* 102, 105, 116, 154s, 156, 157s.

*Crurithyris urii* 105s, 116, 156.

*Echinoconchus punctatus* 156.

*Eomarginifera* sp. 116, 156.

*Gigantoprotodus protvensis* 156.

*G. superbus* (Sarytcheva 1928). 156.

*Krotovia aculeata* 116.

*Latiproductus latissimus* 156.

*L. priscus* (Sarytcheva 1928). 156.

*Leptagonia smithi* 105s, 157.

*Lingula* sp. 102.

*Meekella thomasi* (Sarytcheva and Sokolskaya 1954) 116.

*Orbiculidea nitida* 102, 116.

*Ovatis cf. tenuistriatus* (de Verneuil 1845). 116.

*Pleuropugnoides* sp. 102, 105.

*Productus concinnus* 116.

*Pugilis* aff. *pugilis* 116.

*Rugosochonetes celticus* 116, 156.  
*Schellwienella* cf. *crenistria* 116.  
*Schizophoria* sp. 116, 156.  
*Schuchertella* sp. 102, 116.  
*Sinuatella* cf. *sinuata* 116, 154.  
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*Bellerophon* sp. 116.  
*Euphemites* sp. 116.  
*Naticopsis* sp. 156  
*Retispira* sp. 116.  
*Straparollus* sp. 156.  
*Tropidocyclus* sp. 116.

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*Aviculopecten* sp. 156.  
*Edmondia josepha* de Koninck 1842. 116.  
*E. uniformis* 116.  
*Limipecten* cf. *dissimilis* 116, 156.  
*Lithophaga lingualis* 156.  
*Parallelodon* cf. *semicostatus* 102s, 116.  
*Sedgwickia* sp. 156.  
*Wilkingia elliptica* 116.

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*Epidomatoceras* sp. 116.  
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*Serpuloides carbonarius* 94s, 170s, 185s, 187.

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*Fenestella* sp. 51.

*Rhabdomeson* sp. 114, 155, 246.

*Rhombopora* sp. 51, 54, 83?, 84?, 93, 118, 124.

*Sulcoretepora* sp. 114.

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*Angiospirifer* sp. 155.

*Antiquatoria* sp. 54, 56.

*Buxtonia* sp. 161.

*Cancrinella* sp. 103.

*Composita ambigua* 103s, 114, 118, 124s, 155s, 187s, 247?.

*Crurithyris urii* 51s, 54, 80, 84, 90s, 92s, 93, 94, 102s, 103, 114, 118, 124, 133, 154s, 155, 161, 163s, 164, 185s, 187s, 246.

*Derbya gigantea* 83s, 125.

*Echinoconchus* sp. 118.

*Eomarginifera* sp. 155, 247.

*Leptagonia* sp. 163.

*Lingula mytilloides* 54s, 56, 80, 83s, 84s, 93, 94, 102, 154, 161, 163, 170, 185, 247, 275.

*L. straeleni* 94, 102, 103.

*Linoprotectus* sp. 58, 93, 102, 103, 114, 124, 125, 133, 155, 246, 247, 275.

*Orbiculoides cincta/nitida* 54s, 80, 94s, 102, 114s, 125s, 154, 155s, 170s, 185, 187, 247s, 275.

Orthotetoid 51, 56, 84, 94, 102, 155, 161, 185, 187.

*Phricodothyris* sp. 114, 118.

*Productus carbonarius* 51, 54, 58, 80, 83cf, 84, 92, 93s, 94, 102, 103, 114, 118, 124, 125s, 133, 154, 161, 163s, 170, 185s, 187, 246, 275s.

*Pugilis pugilis* 94s, 124, 125, 133.

*P. scotica* (J Sowerby 1814). 155.

*Punctospirifer northi* 54, 83, 84, 118, 124, 133, 185s, 187s.

*Rugosochonetes celticus* 56s, 83s, 84s, 94, 102, 118, 187s, 246.

*R. hindi* Muir-Wood 1962. 51, 54, 80, 92, 94, 102, 103, 114, 118, 124, 125, 133, 155, 163, 246, 275cf.

*Schellwienella rotundata* 94, 103s, 124s, 133s, 154s.

*Schizophoria resupinata* 94, 102, 103, 114, 118s, 124, 125s, 154s, 155s, 247s.

*Serratocrista* sp. 80, 114, 247.

*Spirifer bisulcatus* 51s, 118, 170s, 187.

*Spiriferellina octoplicata* 54s, 94s, 114, 118s.

*Tornquistia polita* 84.

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*Bellerophon* sp. 124.

*Borestus* sp. nov. 163.

*Donaldina* sp. 103.

*Euphemites multilira* (Weir 1931). 54s, 80s, 83s, 90, 92, 102s, 103s, 124s, 155s, 164s.

*E. urii* 246.

*Glabrocingulum armstrongi* 94, 102s, 114s, 118, 155s, 164s, 246s.

*Neilsonia* sp. 118.

*Retispira undata* 54s, 58, 80s, 102.

*Straparollus* sp. 170.

*Worthenia dunlopi* E G Thomas 1939. 118.

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*Dentalium* spp. 51, 54, 90, 93, 94, 103, 114, 124, 125, 133, 161, 163?.

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*Anthraconeilo laevirostrum* 51s, 54, 83, 118, 124, 133.

*A. luciniformis* 124.

*A. mansoni* 118, 124.

*Aviculopecten* sp. 51, 54, 93, 94, 102, 124.

*Caneyella multirugata* (Jackson 1927). 103.

*Cypricardella rectangularis* 83s, 118s, 125.  
*Edmondia uniformis* 58s, 83s, 118s, 124, 125s, 133s.  
*Euchondria* spp. 51, 103, 154, 163, 246.  
*Koninckopecten* sp. 54, 93, 103, 247.  
*Leiopteria* aff. *hendersoni* (Etheridge jun. 1878). 83s, 94, 103, 118s.  
*L. lunulata* 54, 102.  
*L. thompsoni* 94, 102.  
*Modiolus* sp. 118.  
*Myalina mitchelli* 102, 118s.  
*Mytilomorpha* sp. 125?, 133.  
*Nuculopsis croneisi* 124, 125, 133s, 164, 175s.  
*Palaeolima simplex* 51s, 114s, 118, 124s.  
*Paleyoldia macgregori* 51, 118.  
*Parallelodon semicostatus* 54, 83cf, 94s, 102s, 118, 124, 125, 187.  
*P. theciformis* 125.  
*Pernopecten* sp. nov. 94, 114.  
*Phestia (Polidevcia) attenuata* 94s, 102s, 118, 124.  
*Posidonia corrugata* 187s, 247.  
*Pterinopectinella* sp. 93, 94, 102, 103, 133, 155, 246.  
*Sanguinolites striatolamellosum* 54s, 94s, 118, 124, 125s.  
*Schizodus* sp. 80, 124, 170.  
*Sedgwickia* sp. 125.  
*Streblochondria* sp. 94, 118, 124, 125, 133, 161, 164.  
*Sulcatopinna flabelliformis* 94.

## **Cephalopoda**

*Epidomatoceras neilsoni* Turner 1965. 51, 90s, 102s, 125s.  
*Anthracoceras* sp. 155.  
*Anthracoceratites* sp. 187.  
*Homceratoides* sp. 94, 102, 187.  
*Reticuloceras stubblefieldi* Bisat and Hudson 1943. 51, 54s, 80, 83s, 84, 90, 102, 103s, 118s, 155s, 161s.

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*Archaeocidaris* sp. 51

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*Planolites ophthalmoides* Jessen 1949. 80, 102, 154, 161, 252.

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Foraminifera 205, 251.

### **Porifera**

Sponge spicules 154, 192, 197, 198, 199, 200, 201, 210, 215.

### **Annelida**

*Serpuloides carbonarius* 192, 199s, 200, 206, 207, 208s, 209, 210, 212s, 215s, 217s, 218s, 226s, 228, 249s.

*S. stubblefieldi* (Schmidt and Teichmuller 1956). 194.

### **Scyphozoa**

*Paraconularia* sp. 207, 209, 212.

### **Brachiopoda**

*Buxtonia* sp. 94, 154?, 197?, 200, 201.

*Crurithyris* sp. 192, 199?, 216, 218, 226, 228, 275s.

*Eomarginifera* sp. 199.

*Lachrymula latior* 200.

*Lingula mytilloides* 54, 56, 58, 60, 80, 102s, 154, 155, 196, 197, 198, 199, 200, 202s, 203, 204, 206, 207, 208, 209, 210, 212, 215, 216, 217, 218, 219s, 226, 228, 248, 249, 250, 251, 253, 275s.

*Orbiculoides cincta/nitida* 154s, 155, 196s, 197s, 198, 199, 200, 203s, 206?, 226, 228, 248, 250s, 251, 253s.

*Productus carbonarius* 54, 58, 60, 80, 154s, 192s, 198s, 200s, 207s, 209s, 212, 216, 218s, 226s, 250s, 252s, 254s.

*Rhipidomella* sp. 197, 199.

*Rugosochonetes hindi* 197s, 198s, 199s, 200, 226s.

*Schizophoria resupinata* 192, 200.

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*Baylea* sp. 226?.

*Donaldina* sp. 253.

*Euphemites* sp. 198.

*Glabrocingulum* sp. nov. 197?, 199?, 226.

*Retispira* sp. 58.

*Straparollus* sp. 216?, 218?, 226?.

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*Dentalium* sp. 192.

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*Aviculopecten* cf. *delepinei* Demanet 1936. 196s, 198s, 253.

*A. losseni* (van Koenen 1879). 200, 201.

*Caneyella multirugata* 196, 197s, 198s, 200s..

*Dunbarella* sp. 196

*Edmondia* sp. 58?, 196, 226?.

*Limatulina alternata* 226.

*Nuculopsis gibbosa* 199, 200s?, 275s.

*Obliquipecten* sp. 197, 200.

*Palaeolima* sp. 154?.

*Palaeoneilo sinuosa* (Simpson 1890). 197s, 200s, 201s, 226.

*Phestia* (*Polidevcia*) sp. 197, 198, 199, 200.

*Posidonia gibsoni* Salter 1862. 196, 200?.

*Pterinopectinella* sp. 154.

*Sanguinolites tricostatus* 226.

*Schizodus* sp. 197, 226.

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*Huanghoceras* sp. 197, 198.

*Metacoceras* sp. 198, 200, 226.

*Pseudocatastroboceras* sp. 200.

*Orthoceras* sp. 192, 193, 196, 197, 198, 199, 201, 212, 226.

*Anthracoceratites* sp. 196, 198, 226.

*Dimorphoceras* sp. 200.

*Gastrioceras circumnodosum* Foord 1903. 198, 216s, 217s, 218s, 226s.

*G. subcrenatum* (C Schmidt 1924). 197, 198, 199, 200, 201, 226.

*Homoceratoides divaricatum* (Hind 1905) 198s, 226.

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*Archaeocidaris* sp. 200.

Conodonts 196, 198, 200, 217, 275.