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## Distribution of Mollusca in units S1 to S9 of the Selsey Formation (middle Lutetian), Selsey Peninsula, West Sussex.

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**Abstract:** The first detailed assessment of the taxonomy and stratigraphical distribution of the Mollusca occurring in the Selsey Formation (Middle Eocene) around the Selsey Peninsula (Hampshire Basin, southern England), has been undertaken. The resulting faunal list has been divided into two parts. The first, presented here, is for the older units (S1 to S9, SL1 to SL3) and comprises some 572 species-level taxa. Their stratigraphical distribution and subjective abundance within this interval is tabulated, using the bed numbers of Curry *et al.* (1977). References to published figures are provided for each species, together with a selective synonymy. A revised lithological summary is also given, containing new information on the characteristic molluscan faunas present.

**Résumé:** Les Mollusques de la Formation de Selsey (Eocène moyen) trouvés sur la côte de la péninsule de Selsey (bassin du Hampshire, sud de l'Angleterre) sont l'objet d'une première étude de leur taxinomie et de leur distribution stratigraphique fine. La liste faunistique résultante est divisée en deux parties, dont la première, ici présentée, correspond aux niveaux les plus anciens (unités S1 à S9 et SL1 à SL3) et comprend 572 taxons de rang spécifique dont le degré d'abondance est précisé. Les distributions stratigraphiques utilisent la numérotation des unités selon Curry *et al.*, 1977. Pour chaque espèce, les références à des figures publiées sont données, ainsi que des indications sur la synonymie. Enfin est proposée une révision des différents niveaux lithologiques, avec leurs associations de Mollusques caractéristiques.

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### INTRODUCTION

Early and Middle Eocene strata strike east-west across the Selsey peninsula and crop out on the foreshore on both sides of it. Much of the succession consists of fossiliferous beds which may be exposed at certain times, depending on weather, tides and sand cover. The youngest Palaeogene strata here are the shallow marine sands and clays of the Selsey Formation, which cover the southern end of the peninsula and crop out along its western coast (known as Bracklesham Bay) and to a lesser extent on its eastern coast, (here termed East Selsey). Molluscs have always been the most evident of the *in situ* fossils and, as the shallow dip of the beds makes it relatively easy to recover fragile shells intact, numerous examples now reside in museums and in private collections. The present study has involved both systematic collection of fossiliferous residues and the examination of material in existing collections. The result is a comprehensive list of molluscs recorded from the Selsey Formation in this area, the first part of which covers the older beds from S1 to S9 and SL1 to SL3 of Curry *et al.*(1977).

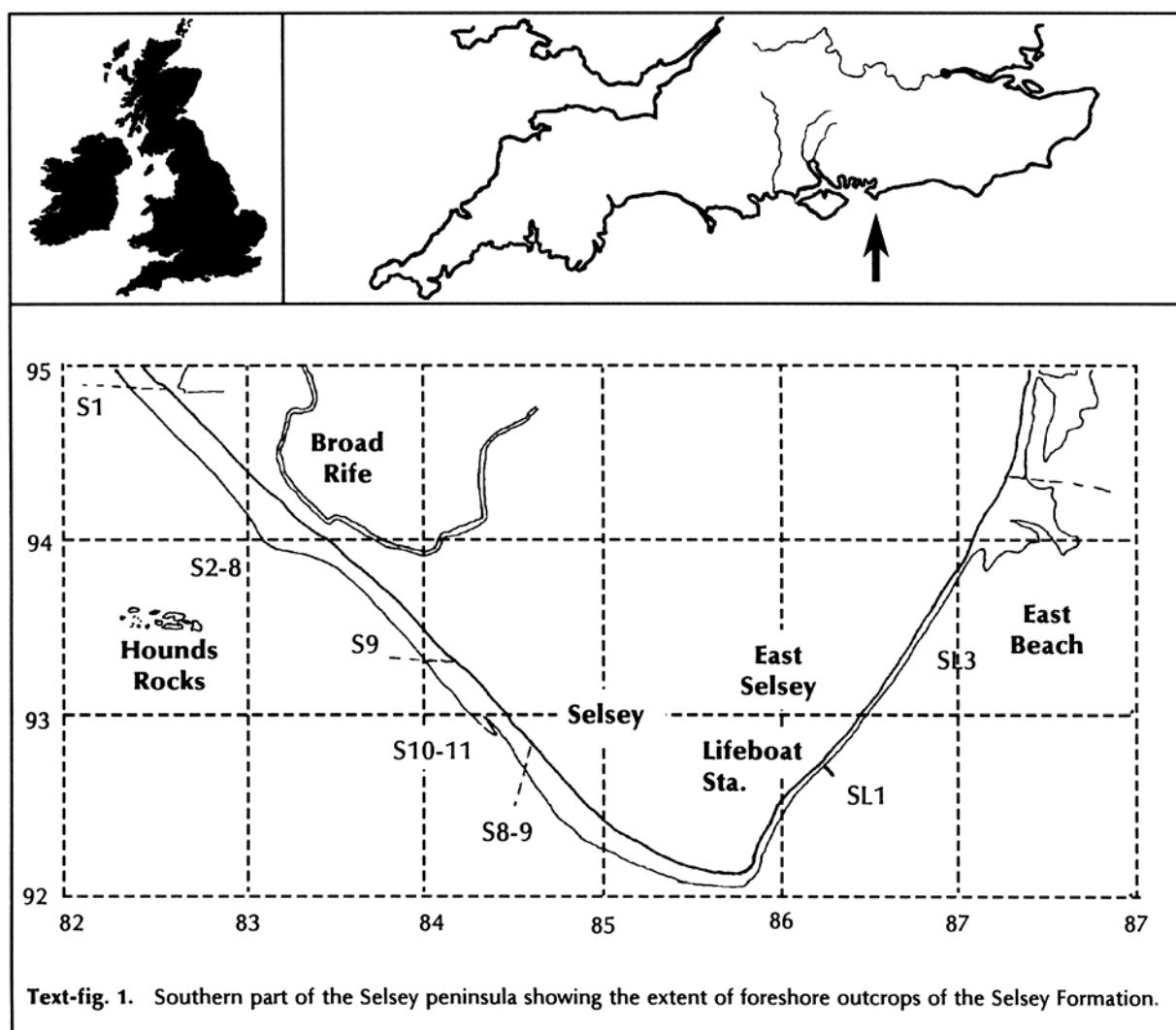
### Previous work

The fauna of the Bracklesham Group of Selsey Peninsula has been more or less intensively collected for over 180 years. A pioneer collector in the Hampshire Basin was John Holloway of Portsmouth who by 1812 had amassed a significant collection of fossil molluscs and who provided the first to be described from the Selsey Formation. This was *Melania sulcata* from Stubbington in Hampshire, described by J. Sowerby (1813) and now a subjective synonym of *Ispharina terebellata* (Lamarck). Holloway also supplied Sowerby with the type material for a number of other species including the first described from the Selsey Peninsula, fittingly named *Sanguinolaria hollowaysii* (now *Macrosolea*), which "...was gathered at Bricklesome Bay by the friendly Mr. Holloway, whose name I feel pleased to commemorate, four or five years since" (J. Sowerby, 1817: 133, pl.159). An early publication including stratigraphically located Selsey molluscs was Edwards' (1847) description of new species of Tellinidae. The first full account of the Selsey invertebrates was given by J. de C. Sowerby in his "Notes and descriptions of new species" in Dixon's (1850) classic work on the local geology. The 9 plates of fossils accompanying this chapter included accurately engraved figures of about 200 molluscs. A total of 60 new

species and varieties were described and the full faunal list contained 279 named molluscs from the Eamley, Marsh Farm and Selsey Formations, collected by various people, including F. E. Edwards, over a number of years. This is still the standard reference work on the subject today. A number of Sowerby's figures have been reproduced by Bone & Bone (1985) in their guidebook to the palaeontology of the area.

Edwards eventually accumulated the finest collection of Palaeogene molluscs known from Selsey to date. His own list (Edwards, 1854) raised the total to 367 species from Bracklesham Bay, 51 of which were enumerated at generic level and indicated as "new species" or "not identified". Only two of the names on this list, *Goodallia* ? *granulosa* and *Kellia* ? *compressa* (both attributed to Edwards) appear to be *nomina nuda*. A reassessment of the molluscs in Edwards' collection by Newton resulted in a substantial catalogue (Newton, 1891) in which the Bracklesham Bay fauna was greatly extended to 482 taxa. Records from the various horizons here were not distinguished as such and many *nomina nuda* were included using Edwards' manuscript names, but nevertheless the list was a significant contribution to the study of British Palaeogene molluscs and these names have been cited in synonymy herein.

When Fisher (1862) devised his original bed-numbering system for Bracklesham Bay he intended to follow it with a stratigraphically arranged faunal list, but this was never completed. A few additional species were first figured on Lowry's chart of British Tertiary fossils (Lowry et al., 1866) wherein authorship of the names is attributed to Edwards. The faunal list given by Heron-Allen (1911) was compiled from published Eocene records with the addition of Quaternary species, but the provenance of the respective faunas was somewhat confused, and the work contained many inaccuracies (A. Bone, 1996, this volume). This century various Selsey molluscs



have been figured in articles covering particular taxa, e.g. the papers of Wrigley (1925-1953), Tremlett (1950; 1953), Stinton (1963), Curry (1955; 1965b) and others.

#### Stratigraphic limits

The present study was originally intended to encompass all the beds of the Selsey Formation exposed on the peninsula. It was found, however, that the fauna of unit S10 differs significantly from that of the underlying beds. More than 200 additional species make their first appearance at this horizon, many of them not found elsewhere in the British Palaeogene. This is partly the result of an abrupt change of palaeoenvironment (Todd, 1990) although some of the shells appear to be reworked from horizons no longer represented in the succession and having affinities with late Lutetian faunules in northwest France. So many additional species, restricted to a single horizon, would have made the present list somewhat unwieldy, and so the faunal list for S10 has been split off and will be presented in a separate publication (in preparation).

A detailed lithological log of the Selsey Formation with brief notes on the fauna was given by Curry et al. (1977) and updated by King (1996, this volume). Further information on the outcrops of the various units has been provided by Bone & Tracey (1996, this volume). The following summary includes amendments based on some recent exposures, and is particularly concerned with the characteristic Mollusca.

#### MOLLUSC-BEARING BEDS

##### Units in Bracklesham Bay

**S1:** The base of the Selsey Formation (S1i) is a grey glauconitic clayey sand, channelled into the underlying laminated clays of the Marsh Farm Formation, and rarely exposed at extreme low water. The limited diversity fauna is dominated by clumps of *Cubitostrea elegans*, juvenile *Venericor planicosta* and *Caestocorbula* aff. *costata*, but most other species are represented by shell fragments. The sandy upper part of the bed (S1ii) is mostly obscured by the Pleistocene channel at SZ 816956. The few species recorded from S1ii are also found in S1i and are not listed separately here.

**F11:** As his bed 11, Fisher (1862: 75) described "Septaria, resting on a bed of shelly sand, with black flint pebbles" and he suggested that many well-preserved molluscs washing up loose in this area probably originated from lenticles within this horizon. The pebble bed referred to is presumably that in S2 and the "septaria" are therefore younger. A number of large fossiliferous sandstone concretions are occasionally exposed around the edge of the Pleistocene channel at SZ 816956 where they represent disturbed Eocene beds that have become cemented, apparently at their contact with the Pleistocene deposits (but see King, 1996 for an alternative interpretation). The most prominent concretions are of grey sandstone with occasional pebbles and a rich but fragile fauna which corresponds most closely to that of the "Little bed", S4iii. Until their provenance is fully established the fauna of these blocks is listed as F11 which they are assumed to represent. It is possible that the blocks are indurated remnants of S4iii, left behind as the outcrop migrated southward through tidal erosion.

**S2:** On the south-eastern edge of the Pleistocene channel is a unit of predominantly silty sands comprising three lithological and faunal horizons. At the base is a thin (<20cm) glauconitic clayey sand with frequent, well-rounded, grey and black flint pebbles up to 10 cm in diameter. The fauna consists of abundant heavily abraded *Glycymeris globosa* and *Haustator contractus* and less frequent *Venericor planicosta*, *Crassatella sowerbyi*, oyster valves and other rolled and bored molluscs, which are sometimes glauconitized. Overlying this is a less clayey grey sand with scattered fossils and occasional flint pebbles. The larger molluscs include *Haustator contractus*, *Sigmesalia* spp. and *Striostrea zonulata*. These two horizons correspond to S2i of Curry et al. (1977) and indicate a palaeoenvironment of unstable, tide-swept, shifting sands. The overlying sands of S2ii contain scattered small molluscs and occasional larger species. No molluscs are recorded from the laminated clay of S3, which marks a return to intertidal Marsh Farm Formation facies, or from the decalcified sands of S4i.

**S4ii:** The middle part of S4 comprises grey glauconitic silty sands dominated by *Haustator contractus*, with frequent *Barbatia appendiculata* and many scattered clumps of *Striostrea zonulata*. Such a low diversity fauna suggests inimical conditions at the time of deposition, in which opportunists could flourish. Exposures occur uncommonly on the lower foreshore.

**S4iii:** Rarely accessible at low water of spring tides, the "Little bed" is a rich lumachelle of unconsolidated sand. Its robust and characteristic fauna is dominated by abundant *Tivelina striatula*, *Saxolucina* cf. *proxima* and common cerithioideans including *Benoistia muricoides* and *Batillaria echidnoides*. At times when the bed has been exposed below low water mark, fossils have been spread over the foreshore, and accumulations can still be found in hollows in the overstepping Holocene muds. Earlier collectors such as A. G. Davis usually regarded *ex situ* shells from units S2 to S4 as coming from the "Cerithium Bed" or "Campanile Bed" although strictly the name applies only to unit S2 (Curry et al., 1977). The source of some of this material is still unknown as no very

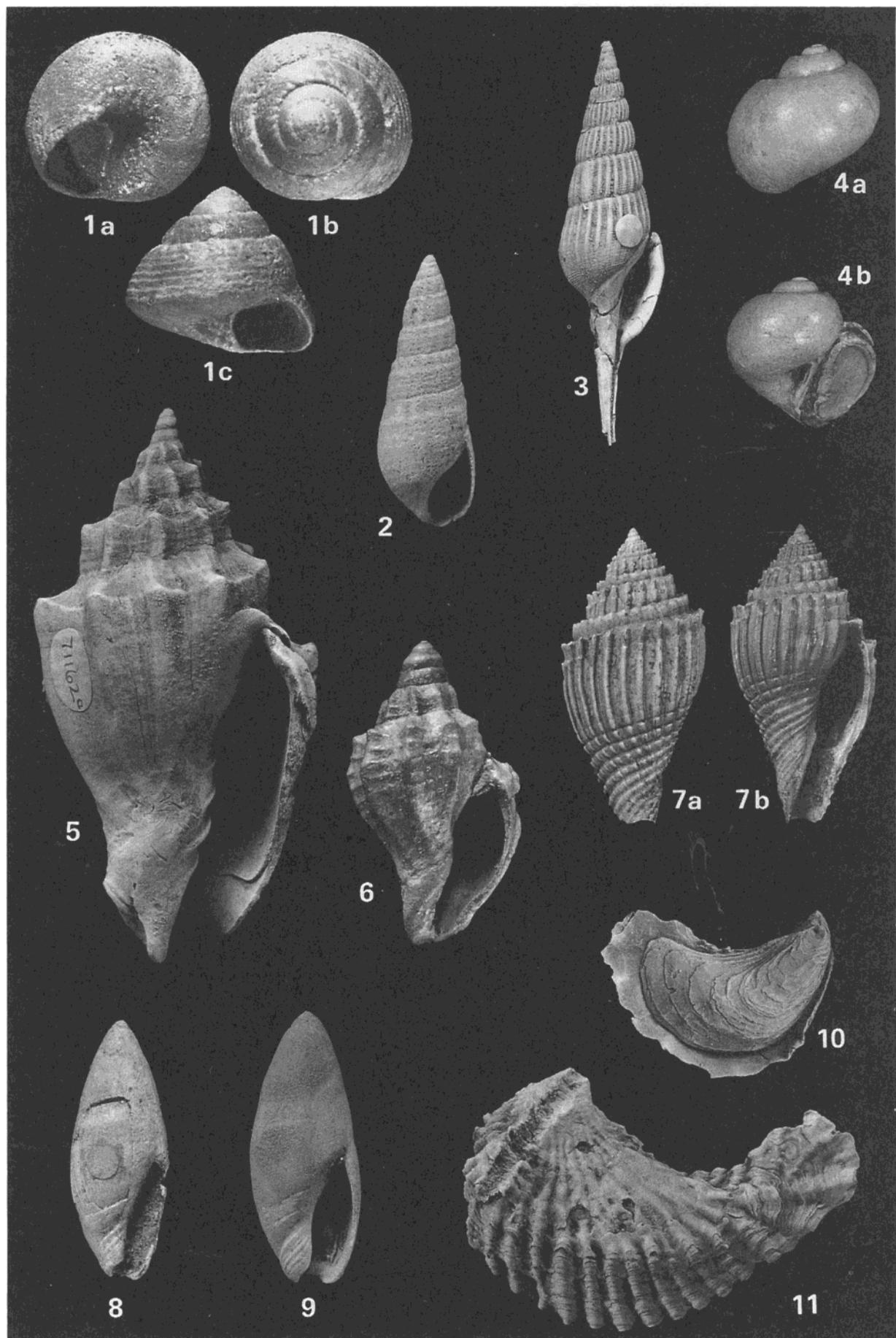
similar assemblages have been seen *in situ* (Wrigley, 1940), but its origin is almost certainly from beds between the base of S2 and the top of S4 (see King, 1996 for additional details). Such records are here listed under S2 or S4iii with a hollow symbol.

**S5:** This is known as the *Miocardia* bed, from the common occurrence of the bivalve now known as *Petalocardia pectenifera* (Pl.2, figs 13-17), in fact a long-ranging species but one which is rather rare at other horizons in England. The lithology is medium fine, grey glauconitic sand which is decalcified in its lower part. Near the middle are large sandstone nodules which often show spheroidal weathering. Shortly above these the bed becomes very shelly, with common *Pectunculina granulata*, *Venericardia aff. elegans*, *Crassatina* sp., *Tellina canaliculata*, *Macrocallista cf. suberycinoides*, *Fustiaria subeburnea*, *Omalaxis aff. marginatus*, *Tornatellaea simulata* and *Scaphander altavillensis*. A small trochid with strong spiral ornament, *Periaulax trochiformis* (Pl.1, fig.1), is common in S5, although the genus is represented in other beds by rarer smooth-whorled forms close to *P. spiratus*, probably another member of the same species complex. Deeply burrowing infaunal bivalves such as *Macrosolen*, *Solena* and *Panopea*, often preserved in life position, attest to a well-oxygenated substratum at the time of deposition, while occasional colonial corals indicate the presence, at least intermittently, of clear water. At the top of the bed pale coloured valves of *Lentipecten corneus* become common and clumps of *Cubitostrea* occur. From S5 upwards the more delicate mollusc shells tend to be damaged by crushing to a greater or lesser extent and care is required to collect and preserve them.

**S6:** Compared with S5 this horizon is generally a more glauconitic clayey sand. Much of the clay content is concentrated in fills of the burrow ichnotaxa, *Diplocraterion?*, *Thalassinoides* and *Planolites*, some evidently piped down from the overlying unit. Verdigris-green clay-lined *Diplocraterion?* burrows are particularly prominent. Also noticeable are up to 10cm diameter sand clasts containing numerous *Teichichnus?* borings as well as glauconitic sand- and shell-filled vertical burrows. Some quartz grit is present, together with pyrite nodules and a few pitted flint pebbles of various sizes, sometimes encrusted with serpulid worms and bryozoans. The basal contact with S5 is highly bioturbated. The mollusc fauna is similar to that of S5 but includes a greater number of large shells; *Venericor planicosta*, *Macrosolen hollowaysii* (here at the upper limit of its range) and *Pitar praelongus*, often in life position or exhumed but nevertheless articulated. The shiny brown valves of *Lentipecten corneus* dominate the lower and upper parts of the bed, whilst the middle part contains fewer large molluscs. Other characteristic taxa include *Arcopagia* spp. and complete examples of *Clavagella coronata*. Large gastropods are less common and include *Hippochrenes amplus* and *Priscoficus*

#### Plate 1. Selsey Formation molluscs

1. *Periaulax trochiformis* (Deshayes), Bracklesham Bay, unit S5. NHM PI TG 1203 (S. Tracey coll.) x 8: a. basal, b. apical, c. lateral views. A common and characteristic gastropod at this horizon.
2. *Bayania aff. lactea* (Bruguière), Bracklesham Bay, unit S4iii. NHM PI TG 1204 (S. Tracey coll.) x 5: Although not reaching the size of typical *lactea*, this probably belongs to the same species-complex.
3. *Tibia (Eotibia) sublucida* (Edwards), neotype designated by Wrigley (1938), Bracklesham Bay. NHM G 61955 (F. Dixon coll.) x 1.5. The matrix and preservation indicates units S8-S9.
4. *Natica burtoni* Wrigley, Bracklesham Bay, south of Broad Rife sluices, *ex situ* probably from unit S8. NHM PI TG 1206 (S. Tracey coll.) x 2.5: a. abapertural view, b. adapertural view, showing operculum *in situ*. A relatively large example with a pyrite fill which has held the operculum.
5. *Voluta mitrata* Deshayes, Bramshaw (New Forest). NHM 71162a (F. E. Edwards coll.) x 1.5. A fine adult example not mentioned by Edwards (1855) and apparently overlooked by Newton (1891). This is the first record of the species from the Palaeogene of England.
6. *Voluta mitrata* Deshayes, juvenile shell, Bracklesham Bay, southern exposure of unit S8, near West Street, Selsey. NHM PI TG 1205 (S. Tracey coll.) x 2.5
7. *Volutospina horrida* (Edwards), Brook (New Forest). NHM 71135a (F. E. Edwards coll.) x 2.5: a. abapertural, b. adapertural views. A characteristic species in the middle part of the Selsey Formation.
8. *Ancillus fusiformis* (J. de C. Sowerby), holotype, Bracklesham Bay NHM G 66091 (F. Dixon coll.) x 1.5. A damaged specimen, the preservation indicating units S2-S4.
9. *Ancillus fusiformis* (J. de C. Sowerby), Stubbington, Hampshire. NHM 71574 (F. E. Edwards coll.) x 1.5. A complete example, the preservation indicating the Campanile bed near the base of the Selsey Formation at Hill Head.
10. *Cubitostrea flabellula* (Lamarck), Lee-on-the-Solent, Hampshire, unit XIV (Fisher, 1862). NHM PI TB 444 (A. Wrigley coll.) x 1.5. Articulated pair showing the right valve within the much larger left valve.
11. *Cubitostrea flabellula* (Lamarck), Bracklesham Bay, unit S6. NHM PI TB 445 (J. A. Todd coll.) x 1.5. Left valve exterior of a large example. This species tends to develop a sickle-shaped outline, in contrast to the more triangular *C. plicata* (Solander) with which it has been widely confused.



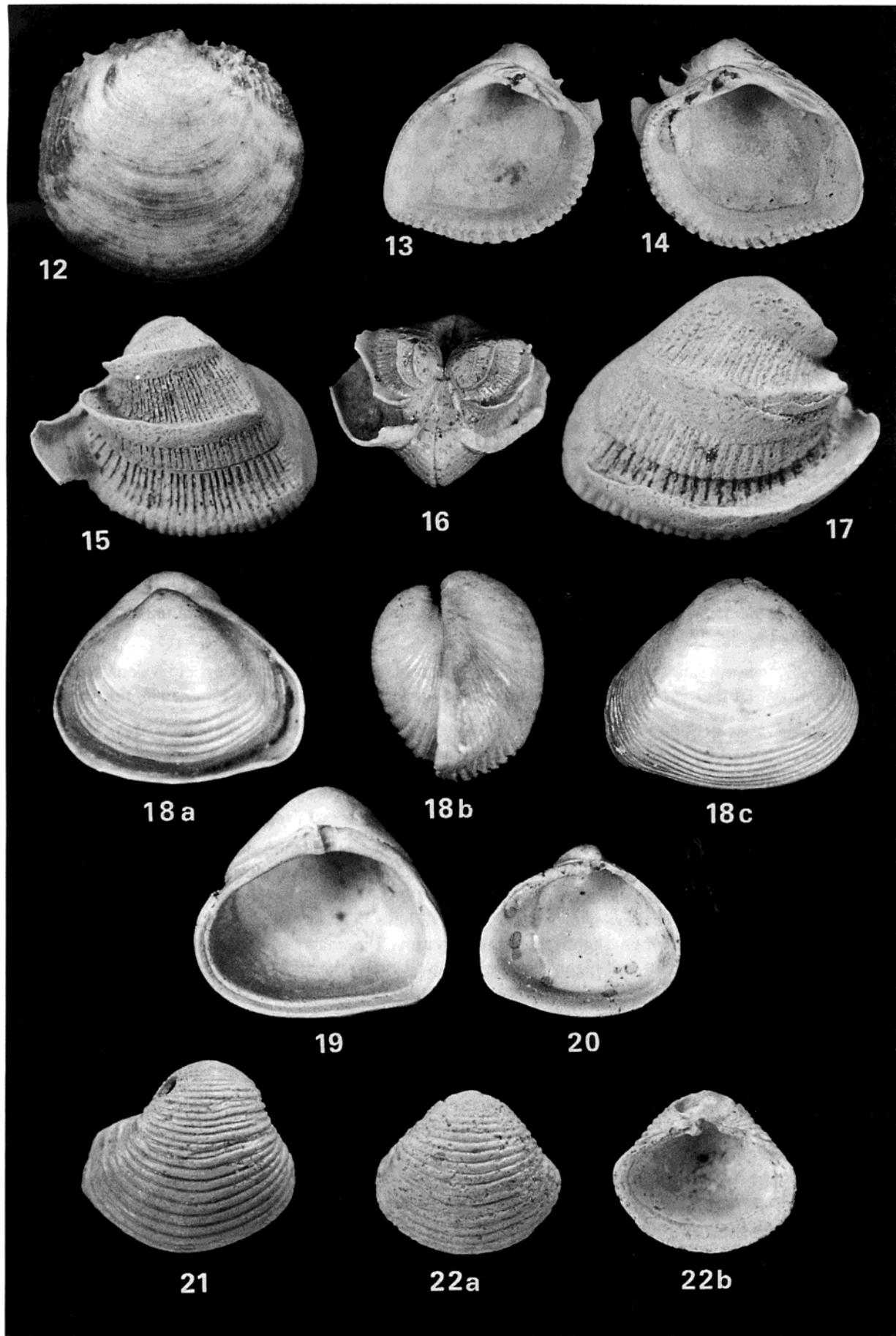
*smithii*. Teredinid-bored logs also occur in this bed. The lithology, taphonomy and abundance of the molluscs, together with the abundance of large burrows filled with sediment lithologically distinct from that surrounding and overlying them, all point to S6 being a condensed unit with exhumation and possibly rapid reburial of the burrowing molluscs having taken place.

**S7:** At the base the lithology is a grey silty clay with rather fragile molluscs, and frequent burrows filled with small fossils, which include the cephalopod *Beloptera* and the gastropod *Litiopa*, a characteristic inhabitant of floating algal drifts. The contact with S6 is moderately burrowed but nevertheless fairly sharp. A few species common in S5/S6, such as *Venericardia* aff. *elegans* and *Crassatina* sp., make their final appearance at the base of S7 and some of these may be reworked. The net effect is a degree of apparent faunal mixing in this area. *Varicorbula* cf. *wemmelensis* (Pl.2, figs 18-20) becomes abundant from the base of S7 upwards. Grading into silty fine sand above the basal part, the accessible outcrop of S7 is decalcified up to the middle band of siltstone nodules, between which a fauna of small molluscs can be found. *Lamellinucula nystana* and the mathildid *Clathrobaculus* aff. *raincourtii* are characteristically common at this level. The nodule line is a useful marker but does not represent a significant lithological boundary. Some distance above this the upper part (S7ii) grades into grey fine sand which is locally fossiliferous, particularly at extreme low tide mark near the erratic boulders in the Broad Rife sluices area. The fine surface detail of mollusc shells is often preserved but they are usually fragile and compressed. The fauna includes the earliest occurrence of *Eopleurotoma gentilis*, and the first reappearance since the London Clay Formation of *Tibia sublucida* (Pl.1, fig.3) and *Volutospina nodosa*. These three species are common in the overlying beds as well, while complete examples of the rarer *Philine expansa* and *Thracia sulcata* are a characteristic feature of S7ii. Occasional clumps of relatively large *Pinna margaritacea* occur in lenses of medium fine sand within this interval. Another discontinuous band of nodules at the top of the unit, rarely exposed, crops out to the south of Broad Rife sluices.

**S8:** Outcrops of this are also seen rather rarely at extreme low tide just south of the Broad Rife sluices, but are more frequent on the upper shore around SZ 837936 in front of the bungalows. The bed at this location contains areas of pale grey clay with carbonaceous root systems. Where undisturbed, the contact with S7 is seen to be highly bioturbated and gradational over a depth of about 20cm. The basal part of S8 consists of a coarse glauconitic sandy clay with comparatively few molluscs. Shortly above this the lithology becomes less sandy, glauconitic shelly clay. The molluscs have finely preserved ornament but many have been fractured by crushing. A significant number, however, are completely filled with pyrite and so retain their original proportions. Many pyritized gastropods have lost the outer lip which was not protected by the infill, but bivalves such as *Bathytramus hemileius* tend to occur in life position with pyrite-filled, articulated valves. Numbers of shells with this characteristic preservation, of finely detailed shell enclosing a pyrite fill, weather out on the surface of units S8 and S9, particularly towards the base of S8. This latter horizon was not seen by Curry et al. (1977) so that the origin of the pyritized fauna was thought to be solely S9 (see King, 1996, this volume) and *Pinna* was noted as being common in S8 (where in fact it is very scarce) rather than S7. Particularly characteristic of S8 is the large turrid, *Crenatirricula attenuata*. Other common species that weather out of S8/S9 are *Tibia sublucida*, *Sassia expansa*, *Mambrinia enodis*, *Streptolathyrus undosus*, *Clavilithes* spp., *Volutospina nodosa*, *Eopleurotoma obscurata*, *Conilithes filifer* and *Granosolarium pulchrum*.

#### Plate 2. Selsey Formation molluscs

12. *Gonimyrea spinulosa* (Edwards), holotype, Brook, New Forest. NHM 32730 (F. E. Edwards coll.) x 10. Right valve exterior showing characteristic fine ornament; specimen figured as *Lucina spinulosa* by Lowry et al. (1866).
- 13-17. *Petalocardia pectenifera* (J. de C. Sowerby), Bracklesham Bay, unit S5 (S. Tracey coll.) x 8. 13, 14. Interior of left and right valves NHM PI TB 446, 447; 15, 17. Exterior of left and right valves (most of the marginal flange of the shell in fig.15 was lost during preparation for photography) NHM PI TB 448, 449; 16. Anterior view of articulated pair showing the bizarre effect of the concentric flanges. NHM PI TB 450. The species, formerly referred to *Miocardia*, is characteristically common at this horizon.
18. *Varicorbula* cf. *wemmelensis* (Vincent), Bracklesham Bay, unit S9. NHM PI TB 451 (S. Tracey coll.) x 10. Exterior views of articulated pair: a. left valve, b. posterior view, c. right valve.
- 19-20. *Varicorbula* cf. *wemmelensis* (Vincent), Bracklesham Bay, unit S9. NHM PI TB 452, 453 (S. Tracey coll.) x 10. Interior views of: 19. right valve, 20. left valve. This is by far the most abundant mollusc in marine muds of the middle and upper Selsey Formation at all localities.
- 21-22. *Corbula* (C.) *brabantica* Vincent, Bracklesham Bay, unit S5. NHM PI TB 454, 455 (S. Tracey coll.) x 10. 21. Right valve exterior, 22. Juvenile right valve: a. exterior, b. interior.



Many similarly pyritized shells tend to wash inshore and accumulate in the runnels between reefs of S7 in the area south of the Broad Rife sluices, and some rare species are only known *ex situ* from this site. They are believed to have come from S8/S9 outcrops at and beyond low tide level, and are listed here with a hollow symbol in the S8 column.

**S9:** Shortly to the south the lithology changes to less glauconitic clay characteristically 'jointed' in small blocks. A particular feature is the abundance of pyrite nodules often occurring as burrow infills, both vertical and subhorizontal (*Planolites*). The molluscan fauna is similar to that of S8, dominated by abundant *Varicorbula* which outnumber all other molluscs, as in many English Eocene shallow marine mudrocks. Scattered, often pyritized shells of other species occur; particularly noticeable are larger gastropods such as *Clavilithes* and *Volutospina*. *Cubitostrea flabellula* (Pl.1, figs 10-11) is common and occasional clumps of *Striostrea dorsata* and rarer complete nautiloids also occur. Common in the upper part are eroded vertical burrows filled with a pyritic matrix containing abundant, predominantly disarticulated, corbulid valves. Lignitic debris is also frequent and occasional seagrass-like plants have been recorded (see Collinson, 1996, this volume). Groups of young *Pinna* and small gastropods, including the mathildid *Acrocoelum bouri*, occur in rare sandy lenticles at the top of the bed, just below the base of unit S10.

#### Units at East Selsey

**SL1:** Known as the *Balanophyllia* bed, from the coral commonly attached to shells, SL1 is a shelly, medium-fine sand, green from the numerous glauconite grains, but soon weathering olivaceous. Exposures of this unit have been very infrequent, owing to the steeply shelving pebble beach on the eastern side of the peninsula. Molluscs are generally well preserved and include common *Barbatia appendiculata*, large double-valved *Anomia* and clumps of *Striostrea zonulata* with colour stripes. Among the many species restricted to this horizon is a cowry, *Cyprædia* sp., with a much-reduced cancellate ornament. Numerous *Ispharina terebellata* occur at a level about 0.5m below the main shell bed. The preservation of molluscs in this bed is very similar to that of material collected in the 19th century from the *Campanile* bed at the base of the Selsey Formation at Hill Head, Stubbington. At the same time SL1 shows little faunal resemblance to the lower part of unit S1 in Bracklesham Bay, which may be slightly older.

**SL2:** A shelly, clayey sand with pebbly lenses and abraded molluscs, probably equivalent to unit S2 in Bracklesham Bay. Further details of the correlation of this unit have been given by King (1996, this volume).

**SL3:** Fine loose cross-bedded shelly sand, probably equivalent to unit S4 (Curry et al., 1977: 251). Both SL2 and SL3 are now obscured by an accumulation of shingle and the fauna listed here is based on samples collected more than 20 years ago.

#### FAUNAL AFFINITIES

Overall the marine deposits of early to middle Lutetian age in the Hampshire Basin (Earnley-Selsey Formations) display a noticeably lower molluscan diversity than those of the Paris Basin, although well in excess of the 500 species estimated for the Bracklesham Group by Curry (1965a) and since repeated by various authors (e.g. Melville & Freshney, 1982). This lower diversity appears to have been largely due to the prevalence of muddier substrates and more turbid, often slightly hyposaline water. The seagrass environments characteristic of the Paris Basin, with their abundant and highly diverse mollusc faunas (Brasier, 1975), barely became established in the nearshore facies of the Hampshire Basin area, perhaps because the necessary slight hypersalinity was never attained (Murray & Wright, 1974: 44).

The Selsey Formation of the Selsey Peninsula can be divided into four groups of sediments and associated molluscan faunas, three of these being indicated by the bold vertical lines on the distribution table.

The lowest group (units S1-S4 and SL1-SL3) consists mainly of shallow peritidal sands with limited diversity faunas, although that of S4iii and probable adjoining horizons (F11/S4x of King, 1996) is more diverse. Its abundant algal-grazing and detritivorous cerithioidean gastropods and other taxa rare in the Selsey Formation (e.g. *Nerita*), suggest intertidal sandbanks. Most of the species from this lowest division are also known from probably contemporaneous, very shallow water faunas in the Paris Basin which also include the giant algal-feeding gastropod, *Campanile*.

The next group (units S5-S6) consists of silty and clayey sands with abundant and diverse stenohaline molluscs, together indicating deeper water. The fauna has many species in common with the approximately coeval Sables de Wemmel in Belgium (Glibert, 1936; 1938). Many additional taxa from that formation are similar to S5-S6 forms and might well prove to be conspecific on closer examination. Macrofaunal elements in the Paris Basin Lutetian horizon at Vaudancourt also suggest a correlation with S5-S9 (J.L.R., personal observation).

Sediments of the third group (units S7-S9) indicate a greater depth of water, though probably not exceeding 50m (Murray & Wright, 1974). With the increase in clay content upwards, the Wemmelian fauna is supplemented by a greater number of the endemic species which characterise S8-S9.

The fourth group (units S10-S11, not covered here) contains a highly diverse small mollusc fauna typical of a seagrass / seaweed habitat and has many elements in common with late Lutetian faunas of the Loire Basin and the Cotentin in north-western France. The foraminifers and bryozoans also support this palaeoenvironmental interpretation (Curry, 1965a).

#### SAMPLING AND ESTIMATION OF ABUNDANCE

Stratigraphical units studied herein have been sampled very unequally, primarily due to the great variation in their frequency of exposure. The lower units S1-S4 and SL1-SL3 are seen much more rarely than the higher beds. It is well known that effective sampling of a fauna of widely varying sizes (e.g. molluscs) from within a stratigraphic interval involves both surface collecting and the sorting of bulk samples. The best way to determine the efficiency of sampling where collecting methods and sample sizes differ is through the construction of cumulative frequency curves (e.g. Koch, 1987; Jackson et al., 1993) where the number of taxa is plotted against the total number of specimens collected. Because the collections studied here have been made over more than 150 years and the numbers of specimens and taxa in the many bulk samples collected in the last 30 years have not been counted, this approach has not been possible. Nevertheless repeated bulk sampling of the same horizon, as advocated by CoBabe & Allmon (1994), has revealed a very low rate of discovery of previously unrecorded taxa, at least for the best sampled units e.g. S5 and S8. For these horizons several hundred kilograms of sediment have been sieved and sorted in addition to the numerous hand specimens that have been collected over a period of more than a century.

Tens of thousands of specimens must have been examined from each of these horizons alone and the fauna must be regarded as well sampled. In contrast, much smaller pickings from less than 50kg of sediment have been made in the case of the more rarely exposed horizons (e.g. S4ii-iii). Although units S1-S4ii and SL2-SL3 have low diversity, inshore faunas, the lack of opportunity to repeatedly sample them has certainly overemphasised the difference in species diversity between them and higher horizons. Overall, the sampling of the higher units S5-S9 has been much better than that of these lower units.

In trying to estimate the abundance of larger taxa, in particular, one must also consider the effects of collecting bias. This may involve perceived rarity (abundant species tend to be heavily under-represented), shape, distinctiveness and mechanical strength (ease of collection). As a consequence no attempt has been made to calculate the absolute abundance of taxa in the various horizons. However, it is useful to provide a subjective assessment of frequency for each species which will indicate its relative abundance both between horizons and compared to that of other taxa in the same horizon. This is a broad approximation based on all the material known to the authors combined with an in-field assessment for taxa known to be grossly under-represented in collections. The following scale gives a general indication of the criteria used:

**Common:** numerous examples known; should occur in numbers in a 1kg sample of fossiliferous residue. **Frequent:** present in many collections; few examples likely to occur in any 1kg residue sample. **Uncommon:** less than 20 examples located; unlikely to occur in a 1kg residue sample. **Rare:** 5 or fewer examples known.

This scale has not been rigidly adhered to and the numerical approach has been biased in certain cases to give a closer approximation to the actual frequency. For those beds from which little systematic collecting has taken place some frequencies have been boosted in an attempt to compensate, so that, for example, 5 specimens of a species recovered from a unique 1kg sample would qualify as Frequent rather than Rare.

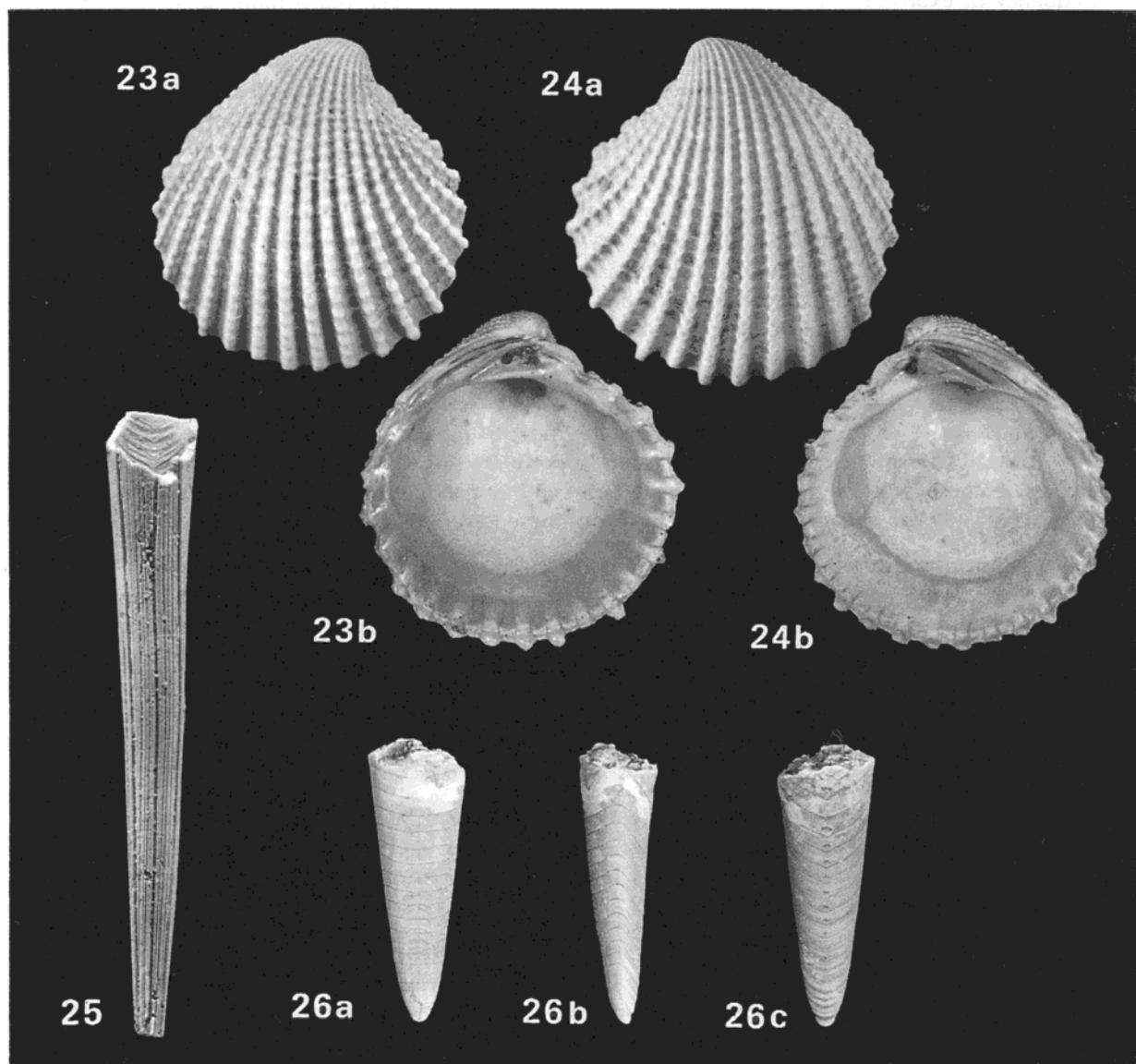
For bivalves the 'maximum number of individuals' approach has been followed (see Gilinsky & Bennington, 1994), whereby frequency is based on the number of disarticulated valves added to the number of paired valves.

#### MATERIAL EXAMINED AND ACKNOWLEDGEMENTS

The distribution table is based on the large quantity of material collected by the present authors and others in the course of this study. Much of this has involved microscopic examination of residues composed mainly of shell fragments down to 250µm in size. It was found that, with practise, most of the familiar taxa could be confidently identified from fragments which retained even a small part of their original ornament.

In addition, where available, all museum specimens representing relevant mollusc records from Selsey by British authors have been located and examined. We are grateful for access to the following: the collections of J. de C. Sowerby, F. Dixon, F. E. Edwards, A. Wrigley, A. G. Davis, F. C. Stinton, E. M. Venables, R. Fowler and others

in the Natural History Museum, London (NHM); the O. Fisher collection in the Sedgwick Museum, Cambridge and various collections in the Chichester Museum, West Sussex. Other major collections consulted include those of the authors and of D. Curry, both private and, in the case of potential type material, in the NHM. Additional material and records were contributed by A. G. Lawson, B. Craig and A. J. Rundle. These collections must represent the bulk of material in either public or private hands, the only sizeable collection not yet examined being that of the British Geological Survey. A number of undetermined taxa, known only from poorly preserved material, are omitted awaiting better examples. We propose to complement the collections in the NHM with a voucher collection of the species not yet represented there. The plates were prepared with the help of P. A. Jeffery and D. J. Ward.



**Plate 3. Selsey Formation molluscs**

- 23-24. *Venericardia subelegans* (Wood), topotypic examples, Shepherds Gutter, Bramshaw, New Forest, unit 4. NHM PI TB 456, 457 (S. Tracey coll.) x 7.5. 23a, b. Right valve, exterior and interior views. 24a, b. Left valve, exterior and interior views. Until now an unfigured species; these specimens are in a better state of preservation than those of the type series.
25. *Vasseuria occidentalis* (Munier-Chalmas), Bracklesham Bay, unit S10. NHM PI CC 149 (S. Tracey coll.) x 4. Guard with portion of phragmocone.
26. *Vasseuria occidentalis* (Munier-Chalmas), Lee-on-the-Solent, *ex situ*, probably from unit L7. NHM PI CC 148 (A. G. Lawson coll.) x 4. Pyrite internal mould of phragmocone.

### STRATIGRAPHICALLY UNLOCALIZED MATERIAL

Though Fisher (1862) had described and given bed numbers to the succession which now comprises the Earnley, Marsh Farm and Selsey Formation strata of Bracklesham Bay, most collections made in the last century lack precise stratigraphical details, including the vast Edwards collection; (it should be noted here that Fisher himself labelled much of his own collection with obviously incorrect stratigraphical horizons). The provenance of such museum material has been assessed through knowledge of subtle differences in shell preservation associated with the varying lithologies and the recognition of associated matrix. Using these criteria, many of the Bracklesham specimens are seen to have originated in beds of the Earnley and Marsh Farm Formations. These, together with a few specimens from more equivocal sources, have been excluded. All apparent Selsey Formation records based on unlocalized museum material, or on shells found *ex situ* around the Selsey Formation outcrops, are listed with a hollow symbol under a possible source unit. Of these, the most confidently assigned specimens are those with the pyrite-filled preservation characteristic of S8/S9.

### TAXONOMY

Most identifications are based on direct comparison with type, topotype or otherwise accurately identified material. References to published figures are included for each species. For ease of consultation, these have been selected from a few key sources including Dixon (1850), Cossmann & Pissarro (1904-1913), Glibert (1936; 1938), and Wrigley (1925-1953), which amongst them contain illustrations of most of the listed species. Figures provided in more readily obtained works (Bone & Bone, 1985; Castell & Cox, 1975) are also cited. Original figures are referenced where these are the only ones available. Several taxa for which few, if any, adequate figures have been published are figured in Plates 1-3 herein. Synchrony is limited to the names under which the species were figured, and to the relevant nomenclature from Newton's (1891) list where this differs significantly from modern terminology. Additional references are included in respect of recent nomenclatural changes.

Open nomenclature follows the protocol suggested by Bengtson (1988). In addition, 'aggr.' is used to indicate an undivided species-group. The minimum number of new combinations, indicated *c.n.*, have been made and are attributable to Tracey & Todd. We consider that a considerable number of listed species are undescribed and these are indicated with an asterisk (\*). It is intended to treat such undescribed taxa in a future series of articles (Tracey, 1996, this volume and in preparation). This paper has generally followed the nomenclatural amendments made to certain Paris Basin taxa by Le Renard & Pacaud (1995) and Pacaud & Le Renard (1996) where these taxa also occur on the present list, although some generic assignments may diverge according to the opinions of individual authors.

### LAYOUT OF THE FAUNAL LIST

Species-level taxa are grouped in families whose order approximately corresponds with that of Tracey *et al.* (1993), Skelton & Benton (1993), Doyle, (1993) and Vaught (1989), with updated amendments. One particular amendment is the reduction of rank of several neogastropod families to subfamilies of the Buccinidae as proposed by Ponder & Warén (1988). The amalgamation was prompted by the lack of clear anatomical and conchological distinctions at family level between living representatives of these groups. This change seems appropriate too for the fossils, as many buccinid / fasciolariid shells do not show any diagnostic features which could be used to refer them to different families. Within the Conoidea a number of subfamilies have recently been transferred from the Turridae to other families, including the Conidae, using anatomical criteria (Taylor *et al.*, 1993). The work with living material is as yet incomplete, however, and many of the changes are at present only speculative when applied to fossils. With the exception of the Conorbinae, these taxa are here retained in the Turridae, pending further study.

Each page of the list occupies a 2-page spread in the journal. On the left is the full name of each taxon, followed by references to published figures and synonymy. On the right the name is repeated in simplified form (the basic binomen plus author) and the 13 columns represent 3 units at East Selsey (SL1-SL3) and 10 units in Bracklesham Bay (S1-S9). Abundance is represented graphically by different sized spots (see key at top of second page). A query (?) in any column denotes doubt about the identity of the taxon from that level, usually owing to inadequate material.

### Abbreviations

- B. & B. = Bone & Bone, 1985
- C. & C. = Castell & Cox, 1975 (British Caenozoic fossils)
- C.& P. 1 = Cossmann & Pissarro, 1904-1906 (1. bivalves)
- C.& P. 2 = Cossmann & Pissarro, 1907-1913 (2. gastropods, scaphopods, cephalopods)
- Dixon = [J. de C. Sowerby *in*] Dixon, 1850

NHM denotes specimen registration numbers of material held in the Natural History Museum, London.

## REFERENCES

- Additional references to the original descriptions of species, not given below, have been detailed by Le Renard (1996).
- BENTSON, P.** 1988. Open nomenclature. *Palaeontology*, **33**: 223-227.
- BEYRICH, E.** 1853-1854. Die Conchylien des norddeutschen Tertiärgelages. *Zeitschrift der Deutschen Geologischen Gesellschaft*, Berlin, **5**: 273-385, pls. 4-8 (1853); **6**: 408-500, pls. 9-14 (1854).
- BONE, A. E.** 1996. The shaping of the Selsey coastline: a review of the geomorphology, archaeology and history. *Tertiary Research*, **16**(1-4): 5-14, 1 text-fig, 1 plate.
- BONE, A. E. & BONE, D. A.** 1985. *Fossils from Bracklesham to Selsey*. Chichester District Museum, Chichester: 32 pp.
- BONE, D. A. & TRACEY, S.** 1996. Aerial photography and geological mapping of Bracklesham Bay, West Sussex. *Tertiary Research*, **16**(1-4): 25-40, 3 text-figs, 8 pls.
- BOUCHET, P. & WARÉN, A.** 1993. Revision of the northeast Atlantic bathyal and abyssal Mesogastropoda. *Bollettino Malacologico*, Milan, Supplemento 3: 579-840.
- BRANDER, G.** 1766. *Fossilia Hantoniensa collecta, et in Musaeo Britanica deposita*. London: vi, 43 pp., 9 pls. [Descriptiones Specierum, pp. 9-43 by SOLANDER, D.C.]
- BRASIER, M. D.** 1975. An outline history of seagrass communities. *Palaeontology*, **18**: 681-702.
- BRÉBION, P.** 1992. Quelques cônes et pleurotomes du Lutétien du Bassin de Paris. *Cossmanniana*, Paris, (Hors-série) **1**: 1-33, incl. 4 pls.
- CASTELL, C. P. & COX, L. R.** 1975. *British Caenozoic fossils (Tertiary and Quaternary)*; (1960) 5th ed. 1975. British Museum (Natural History), London: vi + 132 pp., incl. 44 pls.
- CHAVAN, A.** 1952. Quelques intéressants types de cérithes. *Cahiers Géologiques de Thoiry*, **12**: 103-104; **14**: 127-128.
- COBABE, E. A. & ALLMON, W. D.** 1994. Effects of sampling on paleoecologic and taphonomic analyses in high-diversity fossil accumulations: an example from the Eocene Gosport Sand, Alabama. *Lethaia*, **27**: 167-178.
- COLLINSON, M. E.** 1996. Plant macrofossils from the Bracklesham Group (Early and Middle Eocene), Bracklesham Bay, West Sussex, England: review and significance in the context of coeval British Tertiary floras. *Tertiary Research*, **16**:
- COSSMANN, M.** 1886-1889. Catalogue illustré des coquilles fossiles de l'Eocène des environs de Paris, 1-4. *Annales de la Société Royale Malacologique de Belgique*, **21**: 1-186, pls. 1-8 (1886); **22**: 1-218, pls. 1-8 (1887); **23**: 3-328, pls. 1-12 (1888); **24**: 3-385, pls. 1-12 (1889).
- COSSMANN, M.** 1895. Mollusques Éocéniques de la Loire-Inférieure. *Bulletin de la Société des Sciences Naturelles de l'Ouest de la France*. Nantes. **1**(1): 1-41, pls. 1-3.
- COSSMANN, M.** 1899. Mollusques Éocéniques de la Loire-Inférieure. *Bulletin de la Société des Sciences Naturelles de l'Ouest de la France*. Nantes. **2**(1): 1-54, pls. 1-5.
- COSSMANN, M.** 1902. Mollusques Éocéniques de la Loire-Inférieure. *Bulletin de la Société des Sciences Naturelles de l'Ouest de la France*. Nantes. **2**(2): 55-209, pls. 6-17.
- COSSMANN, M. & PISSARRO, G.** 1904-1906. *Iconographie complète des coquilles fossiles de l'Eocène des environs de Paris*. 1: Pélécypodes. Paris: 13 pp., pls. 1-45.
- COSSMANN, M. & PISSARRO, G.** 1907-1913. *Iconographie complète des coquilles fossiles de l'Eocène des environs de Paris*. 2: Scaphopodes, Gastropodes, Brachiopodes, Céphalopodes & Supplément. Paris: 22 pp., pls. 1-65.
- CURRY, D.** 1955. The occurrence of the dibranachiate cephalopods *Vasseuria* and *Belozebiella* in the English Eocene, with notes on their structure. *Proceedings of the Malacological Society of London*, **31**: 111-122.
- CURRY, D.** 1965a. The Palaeogene beds of south-east England. *Proceedings of the Geologists' Association, London*, **76**: 151-173.
- CURRY, D.** 1965b. The English Palaeogene pteropods. *Proceedings of the Malacological Society of London*, **36**: 357-371.
- CURRY, D., KING, A. D., KING, C. & STINTON, F. C.** 1977. The Bracklesham Beds (Eocene) of Bracklesham Bay and Selsey, Sussex. *Proceedings of the Geologists' Association, London*, **88**: 243-254.
- DESHAYES, G. P.** 1824-1837. *Description des coquilles fossiles des environs de Paris*. Paris. **1**(1-26): 392 pp., 65 pls; **2**(2-46): 814 pp., 103 pls.
- DESHAYES, G. P.** 1856-1866. *Description des animaux sans vertèbres découverts dans le Bassin de Paris*. Paris. **1**(1-20): 912 pp., 87 pls; **2**(21-44): 968 pp., pls. 1-62; **3**(45-50): 658 pp., pls. 63-107.
- DIXON, F.** 1850. *The geology and fossils of the Tertiary and Cretaceous formations of Sussex*. London. xvi, 423 pp., 40 pls. [Description of shells by J. de C. SOWERBY]

- DOLIN, C., DOLIN, L. & LE RENARD, J.** 1980. Inventaire systématique des mollusques de l'Auversien à "faciès charrié" de Baron (Oise), et remarques paléontologiques. *Bulletin d'Information des Géologues du Bassin de Paris*, 17: 26-48 incl. pls. 1-3.
- DOYLE, P.** 1993. Mollusca: Cephalopoda (Coleoidea). in BENTON, M. J. (ed.) *The Fossil Record 2*. London: 229-236.
- EDWARDS, F. E.** 1847. A monograph of the species of the genus *Tellina*, occurring in the Eocene deposits at Bracklesham Bay and Barton. *The London Geological Journal*, 2: 44-52, pls. 10-11; 3: 100-109, pls. 22-23.
- EDWARDS, F. E.** 1854. List of the fossil shells from the Eocene strata of Bracklesham Bay, Sussex. Appendix in PRESTWICH, J. 1854. London Clay and Bracklesham Sands. *Quarterly Journal of the Geological Society of London*, 10: 450-454.
- EDWARDS, F. E.** 1855-1861. A monograph of the Eocene Mollusca, or descriptions of shells from the older Tertiaries of England, 3. Prosobranchiata *Palaeontographical Society, (Monographs)*, London: 123-332, pls. 16-33.
- FISHER, O.** 1862. On the Bracklesham Beds of the Isle of Wight Basin. *Quarterly Journal of the Geological Society of London*, 18: 65-94.
- GILINSKY, N. L. & BENNINGTON, J. B.** 1994. Estimating numbers of whole individuals from collections of body parts: a taphonomic limitation of the paleontological record. *Paleobiology*, 20: 245-258.
- GLIBERT, M.** 1933. Monographie de la faune malacologique du Bruxellien des environs de Bruxelles. *Mémoires du Musée royal d'Histoire naturelle de Belgique*, 53: 1-214, pls. 1-11.
- GLIBERT, M.** 1936. Faune malacologique des Sables de Wemmel. 1. Pélécypodes. *Mémoires du Musée royal d'Histoire naturelle de Belgique*, 78: 1-242, pls. 1-7.
- GLIBERT, M.** 1938. Faune malacologique des Sables de Wemmel. 2. Gastropodes, Scaphopodes, Céphalopodes. *Mémoires du Musée royal d'Histoire naturelle de Belgique*, 85: 1-191, pls. 1-4.
- GLIBERT, M.** 1985. Les bivalves et gastéropodes du Bruxellien Inférieur de la Belgique (Eocène moyen). *Annales de la Société Royale Zoologique de Belgique*, 115, Supplément 1: 261-368, incl. 5 pls.
- GLIBERT, M. & VAN DE POEL,** 1966. Les Bivalvia fossiles du Cénozoïque étranger des collections de l'Institut Royal des Sciences Naturelles de Belgique. 3. Heteroconchia. 1<sup>ère</sup> partie: Laternulidae à Chamidae. *Mémoires de l'Institut Royal des Sciences Naturelles de Belgique*, 81: 1-82.
- GLIBERT, M. & VAN DE POEL,** 1971. Mollusques Cénozoïques nouveaux ou mal connus. *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique*, 47: 1-17, pls. 1-12.
- GOUGEROT, L.** 1968. Quelques espèces nouvelles de mollusques de l'Eocène du Bassin de Paris. (Colloque sur l'Eocène). *Mémoires du Bureau de Recherches Géologiques et Minières*, 58: 221-243, pls. 1-2.
- GOUGEROT, L. & LE RENARD, J.** 1977. Nouvelles espèces de petits gastéropodes marins de l'Eocène des Bassins de Paris, de Nantes et du Cotentin. *Bulletin d'Information des Géologues du Bassin de Paris*, 14: 3-33.
- GOUGEROT, L. & LE RENARD, J.** 1980. Clefs de détermination des petites espèces de gastéropodes de l'Eocène du Bassin Parisien. 12 - La famille des Triphoridae. *Cahiers des Naturalistes*, Paris, 35: 41-59.
- GOUGEROT, L. & LE RENARD, J.** 1981. Clefs de détermination des petites espèces de gastéropodes de l'Eocène du Bassin Parisien. 16 - Le genre *Mathilda*. *Cahiers des Naturalistes*, Paris, 36: 83-92.
- GOUGEROT, L. & LE RENARD, J.** 1982. Clefs de détermination des petites espèces de gastéropodes de l'Eocène du Bassin Parisien. 17 - La famille des Vanikoroidae. *Cahiers des Naturalistes, Bulletin des Naturalistes Parisiens*, 37: 29-45.
- GRABAU, A.W.** 1904. Phylogeny of *Fusus* and its allies. *Smithsonian Miscellaneous Collections*, 44 (1417): i-iii, 1-157, pls. 1-18.
- HERON-ALLEN, E.** 1911. *Selsey Bill: historic and prehistoric*. London. 404 pp., 3 maps.
- HICKMAN, C. S. & McLEAN, J. H.** 1990. Systematic revision and suprageneric classification of the trochacean gastropods. Natural History Museum of Los Angeles County, Los Angeles. v, 169 pp.
- HODGKINSON, K. A., GARVIE, C. L. & BÉ, A. W. H.** 1992. Eocene euthecosomatous Pteropoda (Gastropoda) of the Gulf and Eastern coasts of North America. *Bulletins of American Paleontology*, 103: 1-62.
- HOUBRICK, R. S.** 1992. Monograph of the genus *Cerithium* Bruguière in the Indo-Pacific (Cerithiidae: Prosobranchia). *Smithsonian Contributions to Zoology*, 510: i-iv, 1-211.
- JACKSON, J. B. C., JUNG, P., COATES, A. G. & COLLINS, L. C.** 1993. Diversity and extinction of tropical American mollusks and emergence of the Isthmus of Panama. *Science*, 260: 1624-1626.
- JUNG, P.** 1974. A revision of the family Seraphsidae (Gastropoda: Strombacea). *Palaeontographica Americana*, 8 (47): 1-72, pls. 1-16.
- KING, C.** 1996. Stratigraphy of the Bracklesham Group of Bracklesham Bay and Selsey (West Sussex, England): an update 1977 - 1995. *Tertiary Research*, 16(1-4): 15-23, 1 text-fig.
- KOCH, C. F.** 1987. Prediction of sample size effects on the measured temporal and geographic distribution patterns of species. *Paleobiology*, 13: 100-107.
- KOENEN, A. VON** 1889-1892. Das Norddeutsche Unter-Oligocän und seine mollusken-Fauna. *Abhandlungen zur Geologischen Specialkarte von Preussen und den Thüringischen Staaten*, 10: (1) 1-280, pls. 1-23 (1889); (2) 281-574, pls. 24-39 (1890); (3) 575-817, pls. 40-52 (1891); (4) 819-1003, pls. 53-62.

- KONINCK, L. DE** 1838. Description des coquilles fossiles de l'argile de Basele, Boom, Schelle, etc. *Nouveaux Mémoires de l'Académie Royale des Sciences et Belles-Lettres de Bruxelles*, 11: 1-37, pls. 1-4.
- LE RENARD, J.** 1994. Révision des mollusques Paléogènes du Bassin de Paris. I - Rectifications de nomenclature d'espèces. *Cossmanniana*, Paris, 3: 35-40.
- LE RENARD, J.** 1996. Révision des mollusques Paléogènes du Bassin de Paris. III - Chronologie des créateurs de références primaires. *Cossmanniana*, Paris, 3: 133-150.
- LE RENARD, J. & PACAUD, J.-M.** 1995. Révision des mollusques Paléogènes du Bassin de Paris. II - Liste des références primaires des espèces. *Cossmanniana*, Paris, 3: 65-132.
- LORENZ, F. & HUBERT, A.** 1993. *A guide to worldwide cowries*. Christa Hemmen, Wiesbaden. 571 pp.
- LOWRY, J. W., ETHERIDGE, R. & EDWARDS, F. E.** 1866. *Chart of the characteristic British Tertiary fossils, (chiefly Mollusca) stratigraphically arranged*. London: 3 pls.
- MELVILLE, R. V. & FRESHNEY, E. C.** 1982. *British regional geology: the Hampshire Basin and adjoining areas* (4th ed.), London, H.M.S.O: viii, 146 pp.
- MORLET, L.** 1885. Diagnoses conchyliorum fossilium novorum, in stratis eocenicis repertorum. *Journal de Conchyliologie*, Paris, 33: 312-316.
- MORLET, L.** 1888. Catalogue des coquilles fossiles recueillies dans quelques localités récemment exploitées du Bassin de Paris, et description des espèces nouvelles. *Journal de Conchyliologie*, Paris, 36: 136-221, pls. 8-10.
- MURRAY, J. W. & WRIGHT, C. A.** 1974. Palaeogene Foraminifera and palaeoecology, Hampshire and Paris Basins and the English Channel. *Special Papers in Palaeontology*, 14: i-v, 1-129, 20 pls.
- NEWTON, R. B.** 1891. *Systematic list of the Frederick E. Edwards Collection of British Oligocene and Eocene Mollusca in the British Museum (Natural History), with references to the type-specimens from similar horizons contained in other collections belonging to the Geological Department of the museum*. BM(NH) London: xxviii, 365 pp. + table.
- NUTTALL, C. P. & COOPER, J.** 1973. A review of some English Palaeogene Nassariidae, formerly referred to *Cominella*. *Bulletin of the British Museum (Natural History), (Geology)*, 23: 179-219, pls. 1-9.
- ORBIGNY, A. D'** 1850. *Prodrome de paléontologie stratigraphique universelle des animaux mollusques et rayonnés*, 2. Paris: 428 pp.
- PACAUD, J.-M. & LE RENARD, J.** 1996. Révision des mollusques Paléogènes du Bassin de Paris. IV - Liste systématique actualisée. *Cossmanniana*, Paris, 3: 151-187.
- PHILIPPI, R. A.** 1846. Verzeichniss der in der Gegend von Magdeburg aufgefundenen Tertiärversteinerungen. *Palaeontographica*, 1(1): 42-44.
- PILKINGTON, W.** 1804. Description of some fossil shells found in Hampshire. *Transactions of the Linnean Society of London*, 7: 116-118, pl.2.
- PONDER, W. & WARÉN, A.** 1988. Classification of the Caenogastropoda and Heterostropha - a list of family-group names and higher taxa. In: PONDER, W. F. (ed.) *Prosobranch phylogeny: Proceedings of a symposium held at the 9th international Malacological Congress, Edinburgh. Malacological Review, Supplement*, 4: 288-328.
- SCHILDER, F. A.** 1929. The Eocene Amphiperatidae and Cypraeidae of England. *Proceedings of the Malacological Society of London*, 18: 298-311.
- SCHILDER, F. A.** 1931. Foss. Cypr. Obersuld. *Mitteilungen der Naturforschenden Gesellschaft in Bern*, 81.
- SKELTON, P. W. & BENTON, M. J.** 1993. Mollusca: Rostroconchia, Scaphopoda and Bivalvia. in BENTON, M. J. (ed.) *The Fossil Record* 2. London: 237-263.
- SOWERBY, J.** 1812-1822. *The mineral conchology of Great Britain*. 1-4(1-66): 793 pp., pls. 1-383.
- SOWERBY, J. DE C.** 1823-1846. *The mineral conchology of Great Britain*. London 4-7(67-113): 484 pp., pls. 384-648.
- STINTON, F. C.** 1963. On the occurrence of the genus *Barnea* in the English Eocene. *Proceedings of the Malacological Society of London*, 35: 67-70, pls. 8-9.
- TAYLOR, J. D., KANTOR, Y. I. & SYSOEV, A. V.** 1993. Foregut anatomy, feeding mechanisms, relationships and classification of the Conoidea (= *Toxoglossa*) (Gastropoda). *Bulletin of the Natural History Museum, London (Zoology)*, 59: 125-170.
- TODD, J. A.** 1990. The stratigraphy and correlation of the Selsey Formation and Barton Clay Formation (M. Eocene) of Studley Wood, Hampshire. *Tertiary Research*, 12: 37-50.
- TRACEY, S.** 1996. Mollusca of the Selsey Formation (Middle Eocene): Conoidea, Turrinae. *Tertiary Research*, 16(1-4): 55-95, 5 text-figs, 7 pls.
- TRACEY, S. & TODD, J. A.** 1996. Nomenclatural changes for some Bracklesham Group gastropods. *Tertiary Research*, 16(1-4): 41-54, 2pls.
- TRACEY, S., TODD, J. A. & ERWIN, D. H.** 1993. Mollusca: Gastropoda. in BENTON, M. J. (ed.) *The Fossil Record* 2. London: 131-167.
- TREMLETT, W. E.** 1950. English Eocene and Oligocene Cardiidae. *Proceedings of the Malacological Society of London*, 28: 115-132, pls. 15-19.

- TREMLETT, W. E. 1953. English Eocene and Oligocene Veneridae, 1-2. *Proceedings of the Malacological Society of London*, **30**: 1-21, pls. 1-4; 55-71, pls. 9-13.
- TUCKER, J. K. & LE RENARD, J. 1993. Liste bibliographique des Turridae (Gastropoda, Conacea) du Paléogène de l'Angleterre, de la Belgique et de la France. *Cossmanniana*, Paris, **2**: 1-66.
- VASSEUR, G. 1882. *Recherches géologiques sur les terrains tertiaires de la France occidentale. Paléontologie. Atlas*. Toulouse: pls. 1-11, 19.
- VASSEUR, G. & COSSMANN, M. 1917. *Éocène de Bretagne. Faune de Bois-Gouët. Atlas paléontologique*. Paris. 4 pp., 19 pls.
- VAUGHT, K. C. 1989. *A classification of the living Mollusca*. Melbourne, Florida: xii, 195 pp.
- VOKES, H. E. 1971. Catalogue of the genus *Murex* Linné (Mollusca: Gastropoda); Muricinae, Ocinebrinae. *Bulletins of American Paleontology*, **61**(268): 1-141.
- WARÉN, A. & BOUCHET, P. 1991. Mollusca Gastropoda: Systematic position and revision of *Haloceras* Dall, 1889 (Caenogastropoda, Haloceratidae fam. nov.) In CROSNIER, A. & BOUCHET, P. (eds), *Résultats des Campagnes MUSORSTOM*, Vol.7. Mémoires. Muséum National d'Histoire Naturelle, Paris., (A) **150**: 111-161.
- WEAVER, C. S. & DUPONT, J. E. 1970. *Living volutes, a monograph of the Recent Volutidae of the world*. Delaware Museum of Natural History, Monograph Series 1: xv, 375 pp. incl. 79 pls.
- WOOD, S. V. 1841-1842. A catalogue of shells from the Crag. *Annals and Magazine of Natural History*, London, **6**: 243-253 (1841); **9**: 455-463, 527-544, pl.5 (1842).
- WOOD, S. V. 1861-1871. A monograph of the Eocene Mollusca, or, descriptions of shells from the older Tertiaries of England. 1(1-3). Bivalves. *Palaeontographical Society, (Monographs)*: 1-182, pls. 1-25.
- WRIGLEY, A. 1925. Notes on English Eocene and Oligocene Mollusca, with descriptions of new species. *Proceedings of the Malacological Society of London*, **16**: 232-248.
- WRIGLEY, A. 1927. Notes on English Eocene Mollusca with descriptions of new species. 2. The Fusinidae. *Proceedings of the Malacological Society of London*, **17**: 216-249, pls. 33-35.
- WRIGLEY, A. 1929. Notes on English Eocene and Oligocene Mollusca with descriptions of new species. 3. *Ficus*. *Proceedings of the Malacological Society of London*, **18**: 235-251, pls. 15-16.
- WRIGLEY, A. 1930. Notes on English Eocene and Oligocene Mollusca with descriptions of new species. 4. The Muricidae. *Proceedings of the Malacological Society of London*, **19**: 91-115, pls. 9-10.
- WRIGLEY, A. 1932. English Eocene species of *Sassia*, with a note on the morphology of the Cymatiidae and the Bursidae. *Proceedings of the Malacological Society of London*, **20**: 127-140, pls. 10-11.
- WRIGLEY, A. 1934. English Eocene and Oligocene Cassididae with notes on the nomenclature and morphology of the family. *Proceedings of the Malacological Society of London*, **21**: 108-130, pls. 15-17.
- WRIGLEY, A. 1935. English Eocene and Oligocene Cancellariidae. *Proceedings of the Malacological Society of London*, **21**: 356-381, pls. 32-35.
- WRIGLEY, A. 1938. English Eocene and Oligocene Strombidae and Aporrhaidae. *Proceedings of the Malacological Society of London*, **23**: 61-88, pls. 4-6.
- WRIGLEY, A. 1939. English Eocene *Surculites*. *Proceedings of the Malacological Society of London*, **23**: 277-284, pl. 18.
- WRIGLEY, A. 1940. The English Eocene Campanile. *Proceedings of the Malacological Society of London*, **24**: 97-112.
- WRIGLEY, A. 1941. New species of Eocene Mollusca from the Isle of Wight. *Proceedings of the Malacological Society of London*, **24**: 161-168.
- WRIGLEY, A. 1942a. English Eocene *Hastula* with remarks on the coloration of the Terebridae. *Proceedings of the Malacological Society of London*, **25**: 17-24.
- WRIGLEY, A. 1942b. English Eocene Trichotropididae. *Proceedings of the Malacological Society of London*, **25**: 100-105, pl. 3.
- WRIGLEY, A. 1943. English Eocene and Oligocene chitons. *Proceedings of the Malacological Society of London*, **25**: 187-191.
- WRIGLEY, A. 1944. English Eocene Eulimidae with notes on the torsion of *Eulima* and on Charlesworth's illustrations. *Proceedings of the Malacological Society of London*, **26**: 47-62.
- WRIGLEY, A. 1946. English Eocene and Oligocene ampullinids. *Proceedings of the Malacological Society of London*, **27**: 88-104.
- WRIGLEY, A. 1949. English Eocene and Oligocene Naticidae. *Proceedings of the Malacological Society of London*, **28**: 10-30.
- WRIGLEY, A. 1953. English Eocene *Siphonalia* and *Pseudoneptunea*. *Proceedings of the Malacological Society of London*, **30**: 121-130.

**KEY** ● = common    ● = frequent    ● = uncommon    • = rare

○ O = *ex situ* (horizon estimated)    ? = identity uncertain

\* = undescribed taxon    c.n. = comb. nov.

	E. Selsey			Bracklesham Bay									
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8	S9
<b>Polyplacophora</b>													
<b>ISCHNOCHITONIDAE</b>													
<i>Stenoplax anglica</i> Wrigley					•								
<b>Gastropoda</b>													
<b>FISSURELLIDAE</b>													
<i>Diodora</i> sp.				•		•							
<b>TROCHIDAE</b>													
<i>Periaulax spiratus</i> (Lamarck) aggr.	●		•		●	●			•	●	•	●	
<i>P. trochiformis</i> (Deshayes)	•								●	●			
<i>Phorcules sulcatus</i> (Lamarck)											•		
<b>TURBINIDAE</b>													
<i>Cyniscella</i> cf. <i>spiruloides</i> (Deshayes)										•			
<i>C.</i> sp. *										●	●	•	
<i>Leucorhynchia callifera</i> (Deshayes)					●		•						
<i>Tricolia</i> cf. <i>turbinoides</i> (Lamarck)											○		
<i>T. aff. vaseuri</i> Cossmann *							?	●	●	●	●	○	
<b>NERITOPSIDAE</b>													
<i>Neritopsis parisiensis</i> Deshayes						•							
<b>NERITIDAE</b>													
<i>Nerita tricarinata</i> Lamarck						•		●					
<b>TURRITELLIDAE</b>													
<i>Haustator contractus</i> (J. de C. Sowerby)	●	●		●	●	●	●	●					
<i>H. fowleri</i> Tracey & Todd	●		●		●								
<i>H. aff. granulosus</i> (Deshayes) *									?		●	●	
<i>H. sp.</i> *									●	●	●		
<i>Ispharina terebellata</i> (Lamarck)	●	●	●	●	●								
<i>I. sulcifera</i> (Deshayes)									●	●	●	●	
<i>Sigmesalia multisulcata</i> (Lamarck)							●						
<i>S. aff. fasciata</i> (Lamarck)									●	●	●	○	
<i>S. aff. incerta</i> (Deshayes) * aggr.	●	●	●	●	●	●	●	●	●	●			
<i>S. favrei</i> Le Renard aggr.	●	●		●	●	●	●	●	?	●			
<i>S. cf. chaussyensis</i> (Cossmann)									●	●	●		
<i>S. variabilis</i> (Defrance)					●		●		●				
<i>S. aff. wateleti</i> (Deshayes) *	●			●			●						
<i>S. aff. melanoides</i> (Deshayes) *											●		
<i>Vermicularia porrecta</i> (Deshayes)											○		
<b>PSEUDOMELANIIDAE</b>													
<i>Bayania</i> aff. <i>lactea</i> (Bruguière)						●		●					
<i>B. hordacea delibata</i> (Deshayes)									●				
<b>LITIOPIDAE</b>													
<i>Litiopa acuminata</i> (Baudon)										●			
<b>FOSSARIDAE</b>													
<i>Fossarus</i> sp. *								●					
<b>DIASTOMATIDAE</b>													
<i>Diastoma costellatum</i> (Lamarck)									●			●	
<i>Diastoma</i> sp.*									●				

Table 1. Mollusca from the Selsey Formation, units SL1- SL3 &amp; S1- S9, Selsey Peninsula

## References to figures, selective synonymy &amp; recent revisions

<b>Polyplacophora</b>	
<b>ISCHNOCHITONIDAE</b>	
<i>Stenoplax anglica</i> Wrigley, 1943: fig.5	
<b>Gastropoda</b>	
<b>FISSURELLIDAE</b>	
<i>Diodora</i> sp.	
<b>TROCHIDAE</b>	
<i>Periaulax spiratus</i> (Lamarck, 1804) aggr. [ <i>Eumargarita (P.)</i> ] C.& P.2: pl.4, 28-1; [ <i>Philippia</i> ] Newton, 1891	
<i>Periaulax trochiformis</i> (Deshayes, 1832); [ <i>Solarium</i> ] Dixon: pl.7, fig.10; [ <i>Margarites (P.)</i> ] Glibert 1938:5, fig.1; <b>Pl.1, fig.1a-c</b>	
<i>Phorcus sulcatus</i> (Lamarck, 1804); [ <i>Gibbula (P.)</i> ] C.& P.2: pl.4, 24-4	
<b>TURBINIDAE</b> (see Hickman & McLean, 1990)	
<i>Cyniscella</i> cf. <i>spiruloides</i> (Deshayes, 1832); cf. Deshayes, 1832: pl.26, figs 1-4	
<i>Cyniscella</i> sp.*	
<i>Leucorhynchia callifera callifera</i> (Deshayes, 1832); [ <i>Collonia (L.)</i> ] C.& P.2: pl.4, 33-8	
<i>Tricolia</i> cf. <i>turbinoidea</i> (Lamarck, 1804) cf. C.& P.2: pl.5, 35-5	
<i>Tricolia</i> aff. <i>vasseuri</i> Cossmann, 1902 *	
<b>NERITOPSIDAE</b>	
<i>Neritopsis parisiensis</i> Deshayes, 1864; C.& P.2: pl.5, 37-1; [ <i>Nerita</i> ] Newton, 1891	
<b>NERITIDAE</b>	
<i>Nerita (Theliostyla) tricarinata</i> Lamarck, 1804; C.& P.2: pl.5, 38-4	
<b>TURRITELLIDAE</b>	
<i>Haustator contractus</i> (J. de C. Sowerby in Dixon, 1850); Tracey & Todd, 1996: pl.1, figs 3-5; [ <i>Turritella</i> ] Dixon: pl.7, fig.42	
<i>Haustator fowleri</i> Tracey & Todd, 1996: pl.1, figs 1,2; [ <i>Turritella bicincta</i> J.de C. Sowerby, 1850] non Wood, 1842. Dixon: pl.6, fig.19	
<i>Haustator</i> aff. <i>granulosus</i> (Deshayes, 1833) sp.1 * [ <i>Turritella (H.) imbricataria</i> ] non Lam. Glibert, 1938: pl.1, fig.3d; cf. C.& C. pl.19, fig.11	
<i>Haustator</i> sp. *; [ <i>Turritella concinna</i> ] Newton, 1891 nom.nud. in part	
<i>Ispharina terebellata</i> (Lamarck, 1804); [ <i>Turritella</i> ] Dixon: pl.5, fig.5	
<i>Ispharina sulcifera</i> (Deshayes, 1833); [ <i>Turritella</i> ] Dixon: pl.5, fig.2; B. & B. pl.6, fig.1; C. & C. pl.19, fig.12	
<i>Sigmesalia multisulcata</i> (Lamarck, 1804); [ <i>Mesalia brachytelos</i> Bayan] C.& P.2: pl.21, 126-13; Newton, 1891	
<i>Sigmesalia</i> aff. <i>fasciata</i> (Lamarck, 1804)	
<i>Sigmesalia</i> aff. <i>incerta</i> (Deshayes, 1833) * aggr. [ <i>Turritella sulcata</i> ] non Lam. Dixon: pl.6, fig.8; [ <i>Mesalia s.</i> ] C.& C. pl.19, fig.7	
<i>Sigmesalia favrei</i> Le Renard, 1994 aggr; [ <i>Turritella multisulcata</i> ] non Lam. Dixon: pl.6,fig.9; [ <i>Mesalia m.</i> ] C.& P.2: pl.21,126-11; [ <i>S. m.</i> ] B.& B. pl.6, fig.9	
<i>Sigmesalia</i> cf. <i>chaussyensis</i> (Cossmann, 1888); cf. [ <i>Mesalia</i> ] C.& P.2: pl.21, 126-7	
<i>Sigmesalia variabilis</i> (Defrance, 1828); [ <i>Mesalia heberti</i> ] C.& P.2: pl.21, 126-5	
<i>Sigmesalia</i> aff. <i>wateleti</i> (Deshayes, 1858) *	
<i>Sigmesalia</i> aff. <i>melanoides</i> (Deshayes, 1858) *	
<i>Vermicularia (Anguillospira) porrecta</i> (Deshayes, 1861); [ <i>Vermetus (Burtinella)</i> ] C.& P.2: pl.22, 131-9; [ <i>Thylacodes</i> ] Newton, 1891	
<b>PSEUDOMELANIIDAE</b>	
<i>Bayania</i> aff. <i>lactea</i> (Bruguière, 1789); [ <i>Bayania plicatella</i> ] Newton, 1891 nom.nud.; <b>Pl.1, fig. 2</b>	
<i>Bayania hordacea delibata</i> (Deshayes, 1862); C.& P.2: pl.19, 121-4	
<b>LITIOPIDAE</b>	
<i>Litiopa acuminata</i> (Baudon, 1853); C.& P.2: pl.16, 103-1	
<b>FOSSARIDAE</b>	
<i>Fossarus</i> sp. * Tracey et al., 1993: 144	
<b>DIASTOMATIDAE</b>	
<i>Diastoma costellatum</i> (Lamarck, 1804); C.& P.2: pl.26, 138-1; B. & B. pl.6, fig.4; [ <i>Melania</i> ] Dixon: pl.7, fig.41	
<i>Diastoma</i> sp.*	

<b>POTAMIDIIDAE</b>	
<i>Potamides dixoni</i> (Deshayes, 1864); B. & B. pl.6, fig.10; [ <i>Cerithium marginatum</i> ] non Brug. Dixon: pl.6, figs 4,6	
<i>Potamides</i> cf. <i>cristatus</i> (Lamarck, 1804); cf. C. & P.2: pl.27, 151-5	
<i>Tymanonotus (Eotymanonotus) emarginatus</i> (Lamarck, 1804); [ <i>Potamides</i> ] C. & P.2: pl.28, 151-17	
<i>Tymanonotus (Eotymanonotus) submarginatus</i> (d'Orbigny, 1850) C. & P.2: pl.28, 151-17; [ <i>Potamides</i> ] Newton, 1891	
<i>Tymanonotus (Ptychopotamides) praecinctus lamarcianus</i> (Le Renard, 1994) [ <i>Potamides cinctus</i> ] non Brug. C. & P.2: pl.28, 151-14	
<i>Pyrazus angulatus</i> (Solander in Brander, 1766); C. & P.2: pl.29, 151ter-1; [ <i>Cerithium pyramidale</i> ] J. Sowerby, 1816: pl.127, fig.1	
<i>Terebralia bonelli</i> (Deshayes, 1833); [ <i>T. bonellii</i> ] C. & P.2: pl.29, 151quat-17	
<i>Batillaria (Vicinocerithium) echinoides</i> (Lamarck, 1804); [ <i>Cerithium calcitrapoides</i> , <i>C. cristatum</i> ] non Lam. Dixon: pl.6, figs 7,15	
<i>Batillaria (Vicinocerithium) baylei</i> (Vasseur, 1882); Cossmann, 1889b: pl.17, fig.5,8; Vasseur & Cossmann, 1917: pl.6, figs 12-14	
<b>CERITHIIDAE</b>	
<i>Cerithium globulosum</i> Deshayes, 1833; C. & P.2: pl.24, 137-31; (see Houbrick, 1992)	
<i>Cerithium</i> sp.*	
<i>Serratocerithium tuberculatum</i> (Lamarck, 1804); [ <i>Cerithium (Serraticerithium)</i> ] C. & P.2: pl.23, 137-5	
<i>Serratocerithium maryense</i> (Pezant, 1908); [ <i>Cerithium (S.) mutabile</i> ] C. & P.2: pl.23, 137-6	
<i>Serratocerithium serratum</i> (Bruguère, 1792); [ <i>Cerithium (S.)</i> ] C. & P.2: pl.23, 137-1	
<i>Semivertagus unisulcatus</i> (Lamarck, 1804); [ <i>Cerithium</i> ] Dixon: pl.7, fig.4; [ <i>Rhinoclavis (S.)</i> ] C. & P.2: pl.25, 137ter-3	
<i>Benoistia muricoides</i> (Lamarck, 1804); C. & P.2: pl.23, 136-1; [ <i>Brachytrema</i> ] Newton, 1891	
<i>Bittium semigranosum</i> (Lamarck, 1804); C. & P.2: pl.26, 142-1	
<i>Semibittium dulciculum</i> (Deshayes, 1864); C. & P.2: pl.26, 142-16	
<i>Hemicerithium imperfectum imperfectum</i> (Deshayes, 1833); C. & P.2: pl.64, 141bis-1	
<i>Keilostoma turricula</i> (Bruguère, 1789); [ <i>Paryphostoma</i> ] C. & P.2: pl.15, 102-1	
<b>CAMPANILIDAE</b>	
<i>Campanile (Campanilopa) giganteum</i> (Lamarck, 1804); Wrigley, 1940: figs 9-11; [ <i>Cerithium</i> ] Dixon: pl.6, figs 10, 18	
<i>Campanile (Campanilopa) cornucopiae</i> (J. Sowerby, 1818); C. & C. pl.21, fig.5; B. & B. pl.6, fig.14; [ <i>Cerithium c. &amp; C. incomptum</i> ] Dixon: pl.6, fig.5	
<i>Campanile (Campanilopa) paratum</i> (Deshayes, 1864); Wrigley, 1940: fig.7; [ <i>Cerithium (Campanile)</i> ] C. & P.2: pl.25, 137-50	
<b>IRAVADIIDAE</b>	
<i>Entomope</i> sp. * [ <i>Lacuna lovenii</i> ] non Bayan & [ <i>L. fasciata</i> ] Newton, 1891 nom.nud.	
<i>Cavilabium bezanconi</i> (Cossmann, 1886); C. & P.2: pl.17, 109-1	
<i>Cossmannia expansa</i> (Deshayes, 1861); C. & P.2: pl.15, 98-2	
<i>Ceratia</i> sp.	
<b>RISSOIDAE</b>	
<i>Pusillina aff. nana</i> (Lamarck, 1804) * [ <i>Rissoa nana</i> ] non Lam. Newton, 1891	
<i>Alvania aff. barreti</i> (Morlet, 1885) *	
<i>Rissoina (R.) puncticulata</i> Deshayes, 1861; C. & P.2: pl.15, 100-7	
<b>ADEORBIDAE</b>	
<i>Teinostoma minutum</i> (J. de C. Sowerby in Dixon, 1850); [ <i>Rotella</i> ] Dixon: pl.9, fig.19	
<i>Teinostoma intercallosum</i> (Gougerot, 1968); [ <i>Tinostoma intercallosa</i> ] Gougerot, 1968: 43, fig.2	
<i>Teinostoma grignonense</i> Deshayes, 1864; [ <i>T. callistum</i> ] Newton, 1891 nom.nud.; [ <i>Tinostoma</i> ] C. & P.2: pl.3, 16-7	
<i>Adeorbis rota</i> Deshayes, 1862; C. & P.2: pl.9, 59-16	
<i>Adeorbis spirorbis</i> (Lamarck, 1804); [ <i>A. bicarinatus</i> ] non Lam. C. & P.2: pl.9, 59-13	
<i>Solariorbis</i> sp. *	
<i>Episcynia</i> sp. *	
<b>APORRHAIIDAE</b>	
<i>Aporrhais speciosa</i> (Schlotheim, 1820); Wrigley, 1938: pl.6, fig.47	
<b>STROMBIDAE</b>	
<i>Hippochrenes amplus</i> (Solander in Brander, 1766); Glibert 1938: 63, figs 25,26; C. & C. pl.20, fig.10	
<i>Tibia (Eotibia) sublucida</i> (Edwards in Lowry et al., 1866); Wrigley, 1938: pl.4, figs 6-8; <b>PI.1, fig. 3</b>	
<i>"Tibia" enigmatica</i> Wrigley, 1938: pl.4, fig.26; [ <i>Clavalithes conicus</i> ] Newton, 1891 nom.nud.	
<i>Rimella (R.) fissurella</i> (Linnaeus, 1767); C. & P.2: pl.30, 156-1; Wrigley, 1938: pl.4, figs 16, 18, 19	
<i>Ectinochilus planum</i> (Beyrich, 1854) Wrigley, 1938: pl.4, figs 21, 22; C. & C. pl.20, fig.9; [ <i>Dientomochilus (E.)</i> ] C. & P.2: pl.30, 155-4	
<b>SERAPHIDAE</b>	
<i>Paraseraphs placitus</i> Jung, 1974; [ <i>Terebellum fusiforme</i> ] non Lam. Glibert 1938: pl.2, fig.7	

	E. Selsey			Bracklesham Bay								
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8
<b>POTAMIDIDAE</b>												
<i>Potamides dixoni</i> (Deshayes)	•						•	•				
<i>P. cf. cristatus</i> (Lamarck)								•				
<i>Tympanotonos emarginatus</i> (Lamarck)				•			•	•				
<i>T. submarginatus</i> (d'Orbigny)									●			○
<i>T. praecinctus lamarckianus</i> (Le Renard)									●			
<i>Pyrazus angulatus</i> (Solander)											○	
<i>Terebralia bonelli</i> (Deshayes)							○			●?		
<i>Batillaria echidnoides</i> (Lamarck)				•			●					
<i>B. baylei</i> (Vasseur)					•							
<b>CERITHIIDAE</b>												
<i>Cerithium globulosum</i> Deshayes											●	
<i>C. sp.*</i>						○						
<i>Serratocerithium tuberculatum</i> (Lamarck)								●				
<i>S. maryense</i> (Pezant)	●	●	●	●	●	●	●	●	●			
<i>S. serratum</i> (Bruguière)									●			
<i>Semivertagus unisulcatus</i> (Lamarck)									●			
<i>Benoistia muricoides</i> (Lamarck)							●					
<i>Bittium semigranatum</i> (Lamarck)											●	
<i>Semibittium dulciculum</i> (Deshayes)									●			
<i>Hemicerithium imperfectum</i> (Deshayes)									●?			●
<i>Keilostoma turricula</i> (Bruguière)					●							
<b>CAMPANILIDAE</b>												
<i>Campanile giganteum</i> (Lamarck)	●	●		●	●	●	●	●				
<i>C. cornucopiae</i> (J. Sowerby)					●		●					
<i>C. paratum</i> (Deshayes)										●	●?	
<b>IRAVADIIDAE</b>												
<i>Entomope</i> sp. *										●	●	●
<i>Cavilabium bezanconi</i> (Cossmann)										●	●	●
<i>Cossmannia expansa</i> (Deshayes)	●									●		
<i>Ceratia</i> sp.								●	●			
<b>RISSOIDAE</b>												
<i>Pusillina aff. nana</i> (Lamarck) *											●	
<i>Alvania aff. barretti</i> (Morlet) *											●	
<i>Rissoina puncticulata</i> Deshayes	●			●	●	●	●	●	●	●	●	●
<b>ADEORBIDAE</b>												
<i>Teinostoma minutum</i> (J. de C. Sowerby)	●				●				●	●	●	●
<i>T. intercallosum</i> (Gougerot)	●					●		●	●	●	●	●
<i>T. grignonense</i> Deshayes									●	●	●	●
<i>Adeorbis rota</i> Deshayes	●				●							
<i>A. spirorbis</i> (Lamarck)	●							●			●	
<i>Solariorbis</i> sp. *	●			●	●			●	●	●	●	●
<i>Episcynia</i> sp. *											○	
<b>APORRHAIDAE</b>												
<i>Aporrhais speciosa</i> (Schlotheim)											●	
<b>STROMBIDAE</b>												
<i>Hippochrenes amplus</i> (Solander)									●	●		
<i>Tibia sublucida</i> (Edwards)										●	●	●
" <i>T.</i> " <i>enigmatica</i> Wrigley										○		
<i>Rimella fissurella</i> (Linnaeus)	●				●		●	●	●			
<i>Ectinochilus planum</i> (Beyrich)											○	
<b>SERAPHIDAE</b>												
<i>Paraseraphs placitus</i> Jung					●		●	●	●	●	●	●

<b>VANIKORIDAE</b>	
<i>Cymenorytis (Limnoscala) cliona</i> (de Raincourt & Munier-Chalmas, 1863); [Micreschara (Micromphalina)] C.& P.2: pl.11, 66-8	
<i>Macromphalus (M.) aff. similis</i> Gougerot & Le Renard, 1982 *	
<i>Macromphalus (Dialytostoma) disjunctus</i> (de Raincourt & Munier-Chalmas, 1863); [Micreschara (D.)] C.& P.2: pl.11, 66-5	
<i>Macromphalus (Dialytostoma) cf. fischeri</i> (de Laubrière, 1881); cf. [Micreschara (D.)] C.& P.2: pl.11, 66-4	
<b>HIPPONICIDAE</b>	
<i>Leptonotis squamaeformis</i> (Lamarck, 1802); [Capulus] C.& P.2: pl.12, 70-5; Bouchet & Warén, 1993: 709-710, figs 1672, 1673.	
<b>CAPULIDAE (see Ponder &amp; Warén, 1988; Warén &amp; Bouchet, 1991)</b>	
<i>Capulus cf. pennatus</i> (Lamarck, 1802) cf. C.& P.2: pl.12, 70-3	
<i>Cerithioderma reticulatum reticulatum</i> Wrigley, 1942b: pl.3, fig.5	
<b>CALYPTRAEIDAE</b>	
<i>Sigapatella cf. aperta</i> (Solander in Brander, 1766); [Calyptraea] C.& C. pl.17, fig.10	
<i>Sigapatella lamellosa</i> (Deshayes, 1824); [Calyptraea] C.& P.2: pl.12, 73-4; Glibert 1938: pl.1, fig.20	
<b>XENOPHORIDAE</b>	
<i>Xenophora schroeteri</i> (Gmelin, 1791) [X. agglutinans (Lam.)] C.& P.2: pl.12, 69-3; C.& C. pl.18, fig.11	
<i>Xenophora</i> sp. *	
<i>Xenophora cf. wemmelensis</i> Glibert, 1938; cf. Glibert, 1938: pl.2, fig.1	
<b>VERMETIDAE</b>	
<i>Serpulorbis cancellatus</i> Deshayes, 1861; [Vermetus (S.)] C.& P.2: pl.22, 131-1; [Thylacodes] Newton, 1891	
<b>AMPULLOSPIRIDAE</b>	
<i>Ampullella parisiensis</i> (d'Orbigny, 1850); [Ampullina] C.& P.2: pl.10, 64-6	
<i>Ampullella grossa</i> (Deshayes, 1864); [Ampullina] C.& P.2: pl.11, 64-12; [Globularia] C.& C. pl.18, fig.7	
<i>Globularia patula patula</i> (Lamarck, 1804); C.& C. pl.18, fig.8; [Ampullina] C.& P.2: pl.10, 64-3	
<i>Globularia solentina</i> Wrigley, 1946: fig.8	
<i>Globularia sigaretina</i> (Lamarck, 1804); C.& C. pl.18, fig.9; [Ampullina] C.& P.2: pl.10, 64-1	
<i>Pachycrommium scalariforme</i> (Deshayes, 1825); [Globulus] Dixon: pl.7, fig.26; [Ampullospira] C.& P.2: pl.11, 64bis-3	
<i>Crommium acutum</i> (Lamarck, 1804); [C. willemeti] C.& C. pl.18, fig.10; B.& B. pl.4, fig.14; [Globulus w.] Dixon: pl.6, fig.33, 29]	
<i>Amauropsina canaliculata</i> (Lamarck, 1804); Wrigley, 1946: fig.29; [Natica (A.)] C.& P.2: Pl.9, 61-14	
<i>Amaurellina paludiniformis</i> (d'Orbigny, 1850); Wrigley, 1946: fig.31; [Amauropsella] C.& P.2: pl.11, 64ter-4	
<b>NATICIDAE</b>	
<i>Ampullonatica ambulacrum</i> (J. Sowerby, 1822); C.& C. pl.18, fig.4; [Natica] C.& P.2: pl.10, 61-33	
<i>Natica epiglottina</i> Lamarck, 1804; C.& P.2: pl.9, 61-1; Glibert 1938: pl.2, fig.12; Wrigley, 1949: figs 1, 2	
<i>Natica caillati</i> Deshayes, 1864; C.& P.2: pl.9, 61-7	
<i>Natica burtoni</i> Wrigley, 1949: figs 9, 10; <b>Pl.1, fig. 4</b>	
<i>Sigatica hantonensis</i> (Pilkington, 1804); B.& B. pl.4, fig.15; [Natica] Dixon: pl.6, fig.20	
<i>Sigatica obovata</i> (J. de C. Sowerby in Dixon, 1850) Wrigley, 1949: fig.39; [Natica] Dixon: pl.6, fig.28	
<i>Euspira labellata</i> (Lamarck, 1804) B.& B. pl.4, fig.13; [Globulus] Dixon: pl.6, figs 26, 27	
<i>Euspira conoidea</i> (J. de C. Sowerby in Dixon, 1850); Wrigley, 1949: fig.25; [Globulus] Dixon: pl.6, fig.32	
<i>Polinices turgidus</i> (J. de C. Sowerby in Dixon, 1850); Wrigley, 1949: figs 34-36	
<i>Sinum (Sigaretotrema) clathratum</i> (Gmelin, 1791); B.& B. pl.4, fig.16; [Sigaretus canaliculatus Sby] Dixon: pl.5, fig.9	
<i>Cepatia cepacea</i> (Lamarck, 1804); Wrigley, 1949: figs 31, 32; [Natica (C.)] C.& P.2: pl.9, 61-20	
<b>CYPRAEIDAE</b>	
<i>Sphaerocypraea bowerbankii</i> (J. de C. Sowerby, 1850); [Cypraea] Dixon: pl.8, figs 1, 2	
<i>Eocypraea globularis globularis</i> (Edwards, 1855); [Cypraea globosa Sby 1850] non Sby 1832. Dixon: pl.8, fig.3	
<i>Eocypraea boadicea boadicea</i> Schilder, 1929; [Cypraea inflata] non Lam. Dixon: pl.8, figs 4, 5	
<i>Proadusta brackleshamensis</i> (Schilder, 1929); Lorenz & Hubert, 1993; [Conocypraea] Schilder, 1931: 86, fig.9	
<i>Cypraedia</i> sp. *	
<b>FICIDAE</b>	
<i>Ficus nexilis</i> (Solander in Brander, 1766); Wrigley, 1929: pl.16, figs 10, 11; C.& C. pl.21, fig.1	
<i>Ficus sindonata</i> Wrigley, 1929: pl.16, figs 12, 13; [Pyrula] Newton, 1891	
<i>Ficus greenwoodii</i> (J. de C. Sowerby, 1825); Wrigley, 1929: pl.16, fig.14; Glibert 1938: pl.3, fig.4	
<i>Priscoficus smithii</i> (J. de C. Sowerby, 1827); C.& C. pl.21, fig.6; [Ficus smithii] Wrigley, 1929: pl.16, fig.9; Glibert 1938: pl.3, fig.2	

	E. Selsey			Bracklesham Bay								
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8
<b>VANIKORIDAE</b>												
<i>Cymenorytis cliona</i> (de Rainc. & Munier-Chalmas)	•			•				•		•		
<i>Macromphalus aff. similis</i> Gougerot & Le Ren.*								•				
<i>M. disjunctus</i> (de Raincourt & Munier-Chalmas)								•	•		•?	
<i>M. cf. fischeri</i> (de Laubrière)												
<b>HIPPONICIDAE</b>												
<i>Leptonotis squamaeformis</i> (Lamarck)	•			•	•		•		•	•	•	•
<b>CAPULIDAE</b>												
<i>Capulus cf. pennatus</i> (Lamarck)	•										•	•
<i>Cerithioderma reticulatum</i> Wrigley									•	•	•	
<b>CALYPTRAEIDAE</b>												
<i>Sigapatella cf. aperta</i> (Solander)	●			●?	●?		●		●?			
<i>S. lamellosa</i> (Deshayes)					●?	●	●	●	●	●	●	●
<b>XENOPHORIDAE</b>												
<i>Xenophora schroeteri</i> (Gmelin)	•								●	●	●	●
<i>X. sp. *</i>									●	●		
<i>X. cf. wemmelensis</i> Glibert								●				
<b>VERMETIDAE</b>												
<i>Serpulorbis cancellatus</i> Deshayes								●			●	
<b>AMPULLOSPIRIDAE</b>												
<i>Ampullella parisiensis</i> (d'Orbigny)							●		●	●	●	●
<i>A. grossa</i> (Deshayes)								●		●	●	●
<i>Globularia patula</i> (Lamarck)											●	
<i>G. solentina</i> Wrigley	●						●?					
<i>G. sigaretina</i> (Lamarck)								●				
<i>Pachycrommium scalariforme</i> (Deshayes)							●					
<i>Crommium acutum</i> (Lamarck)		●		●	●		●			●	●	●
<i>Amauropsina canaliculata</i> (Lamarck)			●		●		●		●			
<i>Amaurellina paludiniformis</i> (d'Orbigny)					●		●		●			
<b>NATICIDAE</b>												
<i>Ampullonatica ambulacrum</i> (J. Sowerby)									●	●	●	●
<i>Natica epiglottina</i> Lamarck						●		○	●	●		
<i>N. caillati</i> Deshayes							○		●	●	●	
<i>N. burtoni</i> Wrigley								●	●	●	●	●
<i>Sigatica hantoniensis</i> (Pilkington)	●			●			●		●	●	●	●
<i>S. obovata</i> (J. de C. Sowerby)	●		●		●		●		●	●	●	●
<i>Euspira labellata</i> (Lamarck)	●						●		●	●	●	
<i>E. conoidea</i> (J. de C. Sowerby)						●			●			
<i>Polinices turgidus</i> (J. de C. Sowerby)	●	●	●	●	●	●	●	○	●?			
<i>Sinum clathratum</i> (Gmelin)	●								●	●	●	●
<i>Cepatia cepacea</i> (Lamarck)							○					
<b>CYPRAEIDAE</b>												
<i>Sphaerocypraea bowerbankii</i> (J. de C. Sby)									●	●	●	●
<i>Eocypraea globularis</i> (Edwards)												●
<i>E. boadicea</i> Schilder	●								●			
<i>Proadusta brackleshamensis</i> (Schilder)								○				
<i>Cyprædia</i> sp.	●											
<b>FICIDAE</b>												
<i>Ficus nexilis</i> (Solander)	●									○	●	
<i>F. sindonata</i> Wrigley								○				
<i>F. greenwoodii</i> (J. de C. Sowerby)										●		
<i>Priscoficus smithii</i> (J. de C. Sowerby)								●	●	●		

<b>CASSIDAE</b>
<i>Galeodea coronata</i> (Deshayes, 1835); C. & C. pl.22, fig.7; B. & B. pl.5, fig.8; [ <i>Cassidaria</i> ] Dixon: pl.6, figs 22,30; C. & P.2: pl.35, 166-10
<i>Mambrinia nodosa retusa</i> (Deshayes, 1865); pl.93, figs 1-3
<i>Mambrinia enodis</i> (Deshayes, 1835); [ <i>Galeodea</i> ] Wrigley, 1934: pl.17, figs 33-35; [ <i>Cassidaria nodosa, C. ambigua</i> ] Dixon: pl.7, figs 43,44
<b>RANELLIDAE</b>
<i>Sassia (S.) flandrica</i> (de Koninck, 1838); Wrigley, 1932: pl.10, figs 10, 11; [ <i>Lampusia</i> ] Newton, 1891
<i>Sassia (S.) arguta ytenae</i> Wrigley, 1932: pl.10, fig.14; [ <i>Triton argutus</i> ] non Sol. Dixon: pl.7, fig.12; [ <i>Lampusia ytenensis</i> ] Newton, 1891 nom.nud.
<i>Sassia (S.) expansa</i> (J. de C. Sowerby in Dixon, 1850); Glibert 1938: 85, fig.30; B. & B. pl.5, fig.5; [ <i>Triton</i> ] Dixon: pl.5, fig.15; [ <i>Lampusia</i> ] Newton, 1891
<i>Sassia (S.) sussexiensis</i> Wrigley, 1932: pl.10, fig.4; [ <i>Lampusia pulchra</i> ] Newton, 1891 nom.nud.
<i>Sassia (S.)</i> sp.
<b>OMALAXIDAE</b>
<i>Omalaxis aff. bifrons</i> (Lamarck, 1804); [ <i>Bifrontia bifrons</i> ] non Lam. Dixon: pl.6, fig.37
<i>Omalaxis aff. laudunensis</i> (Defrance, 1828) *
<i>Omalaxis cf. crenensis</i> (Morlet, 1885); cf. [ <i>Bifrontia</i> ] Morlet, 1888: pl.9, fig.8
<i>Omalaxis aff. disjunctus marginatus</i> (Deshayes, 1832) *; [ <i>Bifrontia marginata</i> ] non Desh. Dixon: pl.6, fig.36
<i>Omalaxis</i> sp.*
<b>CERITHIOPSIDAE</b>
<i>Cerithiopsis alveolata alveolata</i> (Deshayes, 1865); C. & P.2: pl.27, 145-1
<i>Cerithiopsis aff. alveolata</i> (Deshayes, 1865)
<i>Cerithiopsis diazodes</i> (Cossmann, 1889); C. & P.2: pl.27, 145-6
<i>Cerithiopsis</i> sp.
<i>Sella (Notoseila) mundula</i> (Deshayes, 1864); [ <i>Newtoniella (S.)</i> ] C. & P.2: pl.27, 144-14
<i>Seila (Notoseila) cf. variata</i> (Deshayes, 1864); cf. [ <i>Newtoniella (S.)</i> ] C. & P.2: pl.27, 144-15; Glibert 1938: 27, fig.11
<i>Seila (Seila) aff. praelonga</i> (Deshayes, 1864) *; [ <i>Lovenella praelonga</i> ] non Desh. (in part) Newton, 1891
<i>Seila (Seila)</i> sp.
<i>Eocolina difficilis</i> (Deshayes, 1864); [ <i>Colinia</i> ] C. & P.2: pl.27, 147-4; (for genus see Chavan, 1952)
<b>TRIFORIDAE</b> (for nomenclature, see Bouchet & Warén, 1993)
<i>Cerithiella aff. multispirata</i> (Deshayes, 1833) *
<i>Cerithiella fowleri</i> Tracey & Todd, 1996: pl.1, fig.6; [ <i>Cerithium cancellatum</i> Sby, 1850] non Lam. Dixon pl.9, fig.22; [ <i>Lovenella c.</i> ] Newton, 1891
<b>TRIPHORIDAE</b>
<i>Triphora (Oriforina) brevicula lutetiana</i> Gougerot & Le Renard, 1980
<b>EPITONIIDAE</b>
<i>Acirsa heyseana</i> (Philippi, 1846): pl.10a, fig.11; von Koenen, 1891: pl.48, figs 4,5; [ <i>Melania</i> ] Newton, 1891
<i>Acirsa</i> sp. *
<i>Pliciscala</i> sp. *
<i>Opalia (Contemniscala) interrupta</i> (J.de C.Sowerby,1827) c.n. ; [ <i>Scalaria</i> ] Dixon: pl.7, fig.14; [var. <i>simplex</i> Newton 1891] nom.nud.
<i>Cirsotrema acutum</i> (J. Sowerby, 1813) aggr.; [ <i>Scalaria</i> ] Dixon: pl.7, fig.15; [ <i>Scala</i> ] B. & B. pl.6, fig.5
<i>Cirsotrema</i> sp. 1 *
<i>Cirsotrema</i> ? sp. 2 *
<i>Crisposcala</i> cf. <i>vatinæ</i> (de Boury, 1912); [ <i>Scala (C.)</i> ] C. & P.2: pl.64, 52-53
<i>Crisposcala tenuilamella</i> (Deshayes, 1833); [ <i>Scala (C.)</i> ] C. & P.2: pl.7, 52-3
<i>Acrilla</i> aff. <i>gallica</i> de Boury, 1887 * aggr.; [ <i>Scala (A.) gallica</i> ] non de Boury, Newton, 1891
<i>Acrilla decussata</i> (Lamarck, 1804); [ <i>Scala (A.)</i> ] C. & P.2: pl.8, fig.52-34
<i>Acrilla affinis</i> (Deshayes, 1861); [ <i>Scala (A.)</i> ] C. & P.2: pl.7, 52-29
<i>Acrilla reticulata</i> (Solander in Brander, 1766); [ <i>Scala</i> ] Newton, 1891; [ <i>Amaea</i> ] C. & C. pl.17, fig.6
<i>Foratiscala newtoni</i> de Boury, 1890; C. & P.2: pl.8, 55-4
<i>Tenuiscala (T.) laubrierei</i> de Boury, 1887; C. & P.2: pl.8, 54-1
<i>Tenuiscala (Cerithiscala) primula</i> (Deshayes, 1861); C. & P.2: pl.8, 54-5
<i>Tenuiscala (Cerithiscala) cf. mesomorpha</i> Cossmann, 1902; cf.Cossmann, 1902: pl.3, fig.19
<i>Tenuiscala (Cerithiscala)</i> sp.
<b>EULIMIDAE</b>
<i>Melanella sowerbyi</i> (Newton, 1891); [ <i>Eulima (Polygyreulima)</i> ] Wrigley, 1944: fig.11, 12; [ <i>E. subulata</i> ] Dixon: pl.7, fig.48
<i>Melanella sulculata</i> (Wrigley, 1944); [ <i>Eulima</i> ] Newton, 1891 nom.nud.; [ <i>E. (Polygyreulima)</i> ] Wrigley, 1944: fig.8

	E. Selsey			Bracklesham Bay									
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8	S9
<b>CASSIDAE</b>													
<i>Galeodea coronata</i> (Deshayes)									●	●	●	●	●
<i>Mambrinia nodosa retusa</i> (Deshayes)	●								●	●	●		
<i>M. enodis</i> (Deshayes)									●	●	●	●	●
<b>RANELLIDAE</b>													
<i>Sassia flandrica</i> (de Koninck)											●	●	
<i>S. arguta ytenae</i> Wrigley												○	
<i>S. expansa</i> (J. de C. Sowerby)									●		●	●	●
<i>Sassia sussexiensis</i> Wrigley										○	●	●	
<i>S. sp.</i>	●			●									
<b>OMALAXIDAE</b>													
<i>Omalaxis aff. bifrons</i> (Lamarck)										○			
<i>O. aff. laudunensis</i> (Defrance) *	●			●	●	●	●	●	●	●			
<i>O. cf. crenensis</i> (Morlet) *	●								●				
<i>O. aff. disjunctus marginatus</i> (Deshayes) *						●			●	●	●	●	
<i>O. sp.*</i>				●	●	●	●	●	●	●	●	●	
<b>CERITHIOPSIDAE</b>													
<i>Cerithiopsis alveolata</i> (Deshayes)	●										●	●	●
<i>C. aff. alveolata</i> (Deshayes)											●	●	●
<i>C. diazodes</i> Cossmann											●		
<i>C. sp.</i>											●		
<i>Seila mundula</i> (Deshayes)	●				●	●							
<i>S. cf. variata</i> (Deshayes)									●	●	●		
<i>S. aff. praelonga</i> (Deshayes) *										●?	●	●	○?
<i>S. sp.</i>										●	●	●	
<i>Eocolina difficilis</i> (Deshayes)									●	○	●		
<b>TRIFORIDAE</b>													
<i>Cerithiella aff. multispirata</i> (Deshayes) *									●	●			
<i>C. fowleri</i> Tracey & Todd										●?	●	●	○
<b>TRIPHORIDAE</b>													
<i>Triphora brevicula lutetiana</i> Gougerot & Le Ren.											●		
<b>EPITONIIDAE</b>													
<i>Acirsa heyseana</i> (Philippi)							●?		○		●?		
<i>A. sp. *</i>				●?			●		○			●	
<i>Pliciscala</i> sp. *										●	●	●	
<i>Opalia interrupta</i> (J.de C.Sowerby)									●		●		
<i>Cirsotrema acutum</i> (J. Sowerby) agr.					●				●	●	●	●	●
<i>Cirsotrema</i> sp. 1 *					○								
<i>Cirsotrema</i> ? sp. 2 *									●				
<i>Crisposcala</i> cf. <i>vatinae</i> (de Boury)								○					
<i>C. tenuillamella</i> (Deshayes)	●					○							
<i>Acrilla</i> aff. <i>gallica</i> de Boury *	●			●	●		●	○	●	●			
<i>A. decussata</i> (Lamarck)	●				●			●	●	●			
<i>A. affinis</i> (Deshayes)									●	●	●	●	
<i>A. reticulata</i> (Solander)											●		
<i>Foratiscala newtoni</i> de Boury	●								○	●	●	●	●
<i>Tenuiscala laubrierei</i> de Boury	●				●								
<i>T. primula</i> (Deshayes)									●	●	●	○	
<i>T. cf. mesomorpha</i> (Cossmann)									●		●	●	
<i>T. sp.</i>												●	
<b>EULIMIDAE</b>													
<i>Melanella sowerbyi</i> (Newton)	●				●?				●	●	●	●	●
<i>M. sulculata</i> (Wrigley)									●	●	●	●	●

<i>Melanella sororcula</i> (Wrigley, 1944); [ <i>Eulima</i> ] Newton, 1891 <i>nom.nud.</i> ; [ <i>E. (Polygyreulima)</i> ] Wrigley, 1944: figs 13, 14
<i>Melanella</i> cf. <i>convexuscula</i> (Wrigley, 1944); cf. [ <i>Eulima</i> ] Newton, 1891 <i>nom.nud.</i> ; cf. [ <i>E. (Polygyreulima)</i> ] Wrigley, 1944: fig.10
<i>Rectilabrum mundum</i> (Deshayes, 1862); [ <i>Eulima</i> ] Wrigley, 1944: fig.1, 2; [ <i>E. (Subularia)</i> ] C. & P. 2: pl.7, fig. 49-6
<i>Ophioarachnicola</i> sp. * [ <i>Eulima incerta</i> ] Newton, 1891 <i>nom.nud.</i>
<i>Rostreulima</i> aff. <i>eocenica</i> (Wrigley, 1944) aggr.
<i>Niso micromphala</i> Edwards in Lowry et al., 1866; Wrigley, 1944: figs 23, 26 incl. [ <i>N. micans</i> ] non Vincent
<i>Niso terebellata</i> (Lamarck, 1804); C. & P.2: pl.7, 51-1; Wrigley, 1944: fig.25
<i>Niso subumbilicata</i> Wrigley, 1944: fig.24
<b>ACLIDIDAE?</b>
<i>Graphis</i> cf. <i>bouri</i> (Cossmann, 1888); cf. [ <i>Aclis (G.)</i> ] C. & P.2: pl.8, 58-4
<b>MURICIDAE</b>
<i>Pterynotus tricarinatus tricarinatus</i> (Lamarck, 1803); C. & C. pl.23, fig.2; [ <i>Murex t.</i> ] C. & P.2: pl.35, 169-5
<i>Pterynotus tricarinatus tricuspidatus</i> (Deshayes, 1835); [ <i>Murex</i> ] Wrigley, 1930: pl.9, fig.2; [ <i>M. asper</i> ] C. & P.2: pl.35, 169-8; (see Vokes, 1971: 109)
<i>Ponderia caillati</i> (Deshayes, 1865); [ <i>Murex</i> ] Wrigley, 1930: pl.9, fig.6; [ <i>M. bispinosus</i> ] non Sby, C. & P.2: pl.35, 169-6
<i>Pterochelus subplicatilis</i> (Wrigley, 1930); [ <i>Murex</i> ] Wrigley, 1930: pl.9, fig.12;
<i>Murexiella frondosa</i> (Lamarck, 1803); [ <i>Murex</i> ] C. & P.2: pl.36, 169-15
<i>Typhis (T.) pungens</i> (Solander in Brander, 1766); C. & C. pl.23, fig.3
<b>BUCCINIDAE (Family enlarged - see Ponder &amp; Warén, 1988)</b>
<i>Pseudoneptunea</i> sp.
<i>Cantharus vaseuri copolygonus</i> Pezant, 1908; [ <i>Tritonidea (C.) polygona</i> (Lam.)] C. & P.2: pl.37, 179-15
<i>Eocanthurus subandrei</i> (d'Orbigny, 1850); [ <i>Tritonidea</i> ] C. & P.2: pl.37, 179-1
<i>Eocanthurus</i> sp.1; [ <i>Pisania selseiensis</i> ] Newton, 1891 <i>nom.nud.</i>
<i>Eocanthurus</i> sp. 2
<i>Janiopsis</i> cf. <i>herouvallensis</i> (Deshayes, 1865); cf. [ <i>J. herouvalensis</i> ] C. & P.2: pl.39, 195bis-4
<i>Daphnobela juncea juncea</i> (Solander in Brander, 1766); B. & B. pl.6, fig.3; [ <i>Buccinum</i> ] Dixon: pl.7, fig.47
<i>Fusinus anglorum</i> Wrigley, 1927: pl.33, fig.6; [ <i>Fusus rotundatus</i> ] in part, Newton, 1891 <i>nom.nud.</i>
<i>Fusinus regnorum</i> Wrigley, 1927: pl.33, fig.3
<i>Fusinus unicarinatus ytenae</i> Wrigley, 1927: pl.33, fig.4
<i>Clavilithes maximus</i> (Deshayes, 1835) C. & P.2: pl.40, 198-3
<i>Clavilithes clavellatus</i> (Lamarck, 1803); [ <i>C. conjunctus</i> (Desh.)] C. & P.2: pl.40, 198-5
<i>Clavilithes parisiensis</i> (Mayer-Eymar, 1877); C. & P.2: pl.40, 198-2; Glibert 1938: pl.3, fig.16
<i>Clavilithes scalaris</i> (Lamarck, 1816); [ <i>C. longaevis</i> ] non Solander. C. & P.2: pl.40, 198-1
<i>Clavilithes</i> cf. <i>contabulatus</i> Wrigley, 1927: cf. pl.34, fig.11
<i>Clavilithes</i> cf. <i>hantoniensis</i> Wrigley, 1927: cf. pl.33, fig.10
<i>Clavilithes britannicus</i> Wrigley, 1927: pl.34, fig.15
<i>Rhopalithes noae</i> (Lamarck, 1803); [ <i>Clavilithes (R.)</i> ] C. & P.2: pl.40, 198-7
<i>Rhopalithes</i> cf. <i>rugoides</i> (Grabau, 1904); cf. Wrigley, 1927: pl.34, fig.18
<i>Cosmolithes uniplicatus</i> (Lamarck, 1803); Glibert 1938: pl.3, fig.17; [ <i>Fasciolaria</i> ] Dixon: pl.5, fig.11; C. & P.2: pl.41, 198-12
<i>Streptochetus obesus</i> Wrigley, 1927; B. & B. pl.4, fig.8; [ <i>Fusus rugosus</i> ] non Lam. Dixon: pl.5, fig.8; [ <i>Fusus n.sp.</i> ] Newton, 1891
<i>Streptolathyrus undosus</i> (J. de C. Sowerby in Dixon, 1850); B. & B. pl.4, fig.10; [ <i>Fusus</i> ] Dixon: pl.7, fig.39; [ <i>Trophon</i> ] Newton, 1891
<i>Wrigleya ytenae</i> (Wrigley, 1927) s.s. c.n.; [ <i>Euthriofusus regularis y.</i> ] Wrigley, 1927: pl.35, fig.24; [ <i>Chrysodomus ytenensis</i> ] Newton, 1891 <i>nom.nud.</i>
<i>Wrigleya ytenae angulata</i> (Wrigley, 1927) c.n.; [ <i>Euthriofusus regularis</i> mut. <i>angulatus</i> ]: pl.35, fig.25
<i>Coptochetus scalaroides</i> (Lamarck, 1804); C. & P.2: pl.38, 187-1
<i>Surculites errans</i> (Solander in Brander, 1766); Wrigley, 1939: pl.18, figs 1-4; C. & C. pl.24, fig.10; B. & B. pl.5, fig.12; [ <i>Fusus</i> ] Dixon: pl.7, fig.31
<i>Strepsidura (S.) turgida</i> (Solander in Brander, 1766); C. & C. pl.24, fig.7; B. & B. pl.5, fig.13; Dixon: pl.6, figs 12, 13
<i>Sycostoma bulbiforme</i> (Lamarck, 1803); Glibert 1938: pl.3, fig.12; [ <i>Sycum</i> ] C. & P.2: pl.39, 194-3
<i>Sycostoma subcarinatum</i> (Lamarck, 1803); [ <i>Sycum pirus</i> ] non <i>pyrus</i> Solander. C. & P.2: pl.39, 194-2
<i>Sycostoma</i> sp. *; [ <i>Leiostoma attenuatum</i> ] Newton, 1891 <i>nom.nud.</i>
<i>Cornulina (C.) minax</i> (Solander in Brander, 1766); C. & C. pl.24, fig.13; B. & B. pl.5, fig.6; [ <i>Murex</i> ] Dixon: pl.5, fig.13
<i>Pseudocominella armata</i> (J. de C. Sowerby in Dixon, 1850); Nuttall & Cooper, 1973: pl.3, figs 1-6; [ <i>Strepsidura</i> ] Dixon: pl.7, fig.11
<i>Ancillocopsis patula</i> (Deshayes, 1835); [ <i>Buccinopsis</i> ] C. & P.2: pl.36, 175-1; [ <i>Pseudoliva ovalis</i> ] Dixon: pl.7, fig.13
<i>Pseudoliva nodulosa</i> (Beyrich, 1854); von Koenen, 1889: pl.23, fig.13; Wrigley, 1941: 167, fig.3

<b>TURBINELLIDAE</b>	
<i>Ptychatractus interruptus</i> (Pilkington, 1804); [ <i>Fusus laeviusculus</i> J.de C. Sowerby, 1850] Dixon: pl.7, fig.34	
<i>Coluzea ? gothica</i> (Deshayes, 1835); [ <i>Fusus</i> ] C.& P.2: pl.41, 201-5; [ <i>Chrysodomus</i> ] Newton, 1891	
<i>Coluzea serrata</i> (Deshayes, 1824); [ <i>Fusus</i> ] C.& P.2: pl.41, 201-4; [ <i>F. unicarinatus</i> ] non Desh. Dixon: pl.7, fig.25	
<b>OLIVIDAE</b>	
<i>Olivula canalifera</i> (Lamarck, 1802) c.n.; [ <i>Ancilla</i> ] C.& C. pl.26, fig.1; C.& P.2: pl.47, 211-9; Glibert 1938: pl.4, fig.7; [ <i>A. brachystoma</i> ] Newton, 1891 <i>n.nud.</i>	
<i>Ancillus buccinoides</i> (Lamarck, 1802); [ <i>Ancillaria</i> ] Dixon: pl.8, fig.14; [ <i>Ancilla</i> ] C.& P.2: pl.47, 211-1; B.& B. pl.4, fig.6	
<i>Ancillus fusiformis</i> (J.de C.Sowerby in Dixon, 1850); [ <i>Ancillaria</i> ][ <i>A. obtusa</i> ] non Swainson. Dixon: pl.8,figs 16,15; [= <i>A. dixoni</i> Chavan]; <b>PI.1, figs 8,9</b>	
<i>Amalda aff. arenaria</i> (Cossmann, 1889) *	
<i>Amalda olivula</i> (Lamarck, 1802); [ <i>Ancilla</i> ] C.& P.2: pl.47, 211-6	
<i>Pseudolivella cf. mitreola</i> (Lamarck, 1802); cf. [ <i>Olivella</i> ] C.& P.2: pl.47, 210-7; [ <i>Ancilla acicula</i> ] Newton, 1891 <i>nom.nud.</i>	
<b>COSTELLARIIDAE</b>	
<i>Vexillum aff. terebellum</i> (Lamarck, 1803) *	
<b>VOLUTOMITRIDAE</b>	
<i>Conomitra aff. fusellina</i> (Lamarck, 1803) *; [ <i>Mitra parva</i> var. <i>glabra</i> ] Newton, 1891 <i>nom.nud.</i>	
<i>Conomitra porrecta</i> (Edwards, 1857); [ <i>Mitra</i> ] Edwards, 1857: pl.24, fig.7	
<b>VOLUTIDAE</b>	
<i>Voluta mitrata</i> Deshayes, 1835; C.& P.2: pl.45, 206-2; (see Weaver & Dupont, 1970); <b>PI.1, figs 5-6</b>	
<i>Volutocorbis digitalina</i> (Lamarck, 1811); [ <i>Voluta crenulata</i> non Lam.] Dixon: pl.5, fig.22; B.& B. pl.5, fig.11	
<i>Volutospina pugil</i> (Edwards, 1855); [ <i>Voluta spinosa</i> ] non Linn. Dixon: pl.5, fig.16	
<i>Volutospina spinosa</i> (Linnaeus, 1758); B.& B. pl.5, fig.9; [ <i>Athleta (V.)</i> ] C.& P.2: pl.44, 205-8; C.& C. pl.25, fig.2	
<i>Volutospina nodosa</i> (J. de C. Sowerby, 1823); [ <i>Voluta n.</i> ] Dixon: pl.5, fig.23	
<i>Volutospina calva</i> (J. de C. Sowerby in Dixon, 1850); [ <i>Voluta</i> ] Dixon: pl.7, fig.28	
<i>Volutospina horrida</i> (Edwards, 1855): pl.21, fig.2; <b>PI.1, fig. 7 a-b</b>	
<i>Eopsephaea costaria</i> (Lamarck, 1802); [ <i>Volutilithes mixtus</i> ] C.& P.2: pl.43, 204-5; [ <i>Voluta angusta</i> non Desh.] Dixon: pl.5, fig.19	
<i>Eopsephaea uniplicata</i> (J. de C. Sowerby in Dixon, 1850); [ <i>Voluta</i> ] Dixon: pl.7, figs 45,46	
<i>Eopsephaea cf. relicta</i> (Bayan, 1870); [ <i>Voluta angusta</i> ] non Desh. Dixon: pl.7, fig.37;	
<i>Neothletta listerarum</i> (Le Renard, 1994); [ <i>Voluta cithara</i> Lam.] Edwards, 1855: pl.23, fig.6; [ <i>Athleta (N.) c.</i> ] C.& P.2: pl.44, 205-13	
<i>Neothletta selseiensis</i> (Edwards, 1855); [ <i>Athleta</i> ] C.& C. pl.25,fig.4; B.& B. pl.5,fig.1; [ <i>Voluta labrella, bulbulia</i> ] Dixon: pl.5,figs 12,14; pl.7,fig.35	
<i>Neothletta mutatus</i> (Deshayes, 1835); [ <i>Athleta (Volutospina)</i> ] C.& P.2: pl.44, 205-14	
<i>Lyria branderi</i> (Defrance, 1829); C.& P.2: pl.45, 207-3; [ <i>Voluta</i> ] Edwards, 1855, pl.22, fig.4	
<i>Lyria decora</i> (Beyrich, 1853); C.& C. pl.25, fig.3; [ <i>L. maga</i> ] C.& P.2: pl.46, 207-5'; [ <i>Voluta costata</i> ] non Sol. Dixon: pl.5, fig.24; [ <i>L. c.</i> ] B.& B. pl.5, fig.7	
<i>Mitreola cf. monodontia</i> (Lamarck, 1803); [ <i>Mitra</i> ] Dixon: pl.7, figs 20,21; [ <i>Mitreola labratula</i> ] non. Lam. B.& B. pl.6, fig.12	
<i>Cryptochorda stromboidea</i> (Hermann, 1781); C.& P.2: pl.42, 203-1; B.& B. pl.4, fig.17; [ <i>Buccinum</i> ] Dixon: pl.7, fig.33; [ <i>Harpopsis</i> ] Newton, 1891	
<b>MARGINELLIDAE</b>	
<i>Volvarinella contabulata</i> (Deshayes, 1865); [ <i>Marginella (Stazzania)</i> ] C.& P.2: pl.46, 208-11	
<i>Volvarinella columbellina</i> (Deshayes, 1865); [ <i>Marginella (Stazzania) bifidoplicata</i> ] non Edw. C.& P.2: pl.46, 208-12,12'	
<i>Volvarinella eburnea</i> (Lamarck, 1803); [ <i>Marginella (Stazzania)</i> ] C.& P.2: pl.46, 208-1	
<b>CANCELLARIIDAE</b>	
<i>Coptostoma breve</i> Wrigley, 1935: pl.32, fig.4; [ <i>Cancellaria globularis</i> ] Newton, 1891 <i>nom.nud.</i>	
<i>Sveltella microstoma</i> (Newton, 1895); Wrigley, 1935: pl.32, fig.7; C.& C. pl.26, fig.6	
<i>Sveltella nana</i> (Deshayes, 1864); C.& P.2: pl.47, 212bis-4	
<i>Sveltella aff. nana</i> (Deshayes, 1864) *; [ <i>S. nana</i> ] non Desh. Wrigley, 1935: pl.35, fig.40	
<i>Unitas beui</i> Le Renard, 1994; [ <i>Uxia fusiformis</i> (Desh.)] non Cantraine. C.& P.2: pl.47, 212-16	
<i>Unitas granulata</i> (Nyst, 1843); [ <i>Uxia</i> ] Wrigley, 1935: pl.34, fig.35; [ <i>Cancellaria nodigera, C. suturalis</i> ] Newton, 1891 <i>nom.nud.</i>	
<i>Unitas nassaeformis</i> (Wrigley, 1925): 240, fig.12 C.& C. pl.26, fig.12; [ <i>Uxia</i> ] Wrigley, 1935: pl.34, fig.32; [ <i>Cancellaria</i> ] Newton, 1891	
<i>Unitas aff. labratula</i> (von Koenen, 1889) *	
<i>Plesiocerithium</i> sp. *	
<i>Bonellitia bilineata</i> Wrigley, 1935: pl.33, fig.15; [ <i>B. sp.</i> ] B.& B. pl.4, fig.1; [ <i>Cancellaria evulsa</i> ] non Sol. Dixon: pl.7, fig.40	
<i>Bonellitia cf. yteneensis</i> Wrigley, 1935: cf. pl.33, fig.18; [ <i>Cancellaria</i> ] Newton, 1891	
<b>TURRIDAE</b>	
<i>Cochlespira terebralis</i> (Lamarck, 1804); [ <i>Surcula (Ancistrosyrinx)</i> ] C.& P.2: pl.50, 223bis-6	
<i>Turricula (Orthosurcula) goniaea</i> (Edwards, 1857); [ <i>Pleurotoma</i> ] Edwards, 1857: pl.25, fig.10	





	E. Selsey			Bracklesham Bay									
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8	S9
<b>TURBINELLIDAE</b>													
<i>Ptychatractus interruptus</i> (Pilkington)											●	●	●
<i>Coluzea? gothica</i> (Deshayes)								•					
<i>Coluzea serrata</i> (Deshayes)	•												
<b>OLIVIDAE</b>													
<i>Olivula canalifera</i> (Lamarck)	●			●	●	●	●	●	●	●	●	●	●
<i>Ancillia buccinoides</i> (Lamarck)	●			•?	●	●	●	●	●	●	●		
<i>A. fusiformis</i> (J. de C. Sowerby)								●					
<i>Amalda aff. arenaria</i> (Cossmann) *	●												
<i>A. olivula</i> (Lamarck)						●	●	●					
<i>Pseudolivella cf. mitreola</i> (Lamarck)						●	○						
<b>COSTELLARIIDAE</b>													
<i>Vexillum aff. terebellum</i> (Lamarck) *										●	●	●	●
<b>VOLUTOMITRIDAE</b>													
<i>Conomitra aff. fusellina</i> (Lamarck) *										●	●	●	●
<i>C. porrecta</i> (Edwards)							•?			●	●	●	●?
<b>VOLUTIDAE</b>													
<i>Voluta mitrata</i> Deshayes											●		
<i>Volutocorbis digitalina</i> (Lamarck)	●			●	●	●	●	●	●	●	●	●	●
<i>Volutospina pugil</i> (Edwards)	●	●	●		●		●	●					
<i>V. spinosa</i> (Linnaeus)	●		●			●	●	●	●	●	●	●	○
<i>V. nodosa</i> (J. de C. Sowerby)										●	●	●	●
<i>V. calva</i> (J. de C. Sowerby)										○			
<i>V. horrida</i> (Edwards)									●	●	●	●	
<i>Eopsephaea costaria</i> (Lamarck)	●			●			●?	●	●				
<i>E. uniplicata</i> (J. de C. Sowerby)							●?	●	●			●	
<i>E. cf. relicta</i> (Bayan)										●			
<i>Neoathleta listerarum</i> (Le Renard)	●									○			
<i>N. selseiensis</i> (Edwards)	●			●		●	●	●	●	●	●	●	●
<i>N. mutatus</i> (Deshayes)											●		
<i>Lyria branderi</i> (Defrance)												○	
<i>L. decora</i> (Beyrich)										○	○	○	
<i>Mitreola cf. monodonta</i> (Lamarck)	○?				●			●					
<i>Cryptochorda stromboides</i> (Hermann)				●	●			●		●	●	●	●
<b>MARGINELLIDAE</b>													
<i>Volvarinella contabulata</i> (Deshayes)	●			●	●	●	●			●?	●?	●	●
<i>V. columbellina</i> (Deshayes)										●	●	●	●
<i>V. eburnea</i> (Lamarck)	●?												
<b>CANCELLARIIDAE</b>													
<i>Coptostoma breve</i> Wrigley												○	
<i>Sveltella microstoma</i> (Newton)										●	●	●	●
<i>S. nana</i> (Deshayes)	●												
<i>S. aff. nana</i> (Deshayes) *										●	●		
<i>Unitas beui</i> Le Renard	●			●									
<i>U. granulata</i> (Nyst)									○				
<i>U. nassaeformis</i> (Wrigley)												●	
<i>U. aff. labratula</i> (von Koenen) *										○			
<i>Plesiocerithium</i> sp. *												●	
<i>Bonellitia bilineata</i> Wrigley												○	
<i>B. cf. ytenensis</i> Wrigley				●				●			○	●	
<b>TURRIDAE</b>													
<i>Cochlespira terebralis</i> (Lamarck)	●		●						●	●	●	●	●
<i>Turricula goniaea</i> (Edwards)	●		●					●					

	E. Selsey			Bracklesham Bay									
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8	S9
<i>Turridula inarata</i> (J. de C. Sowerby)									●	●	●	●	●
<i>T. planetica</i> (Edwards)													●
<i>Crenatutridula crassicosta</i> (Edwards)	●			●	●	●	●	●	●	●	●?		
<i>C. aff. crassicosta</i> (Edwards) *											●	●	●
<i>C. attenuata</i> (J. Sowerby)											●	●	●
" <i>Drillia</i> " aff. <i>brevicauda</i> (Deshayes) *	●				●			●?					
" <i>Drillia</i> " <i>suffecta</i> (Pezant)				●		●	●	○	○	●			
<i>Eopleurotoma comma</i> (J. Sowerby)	●				●		●						
<i>E. hollowayi</i> Tracey				●?			●?						
<i>E. gentilis</i> (J. de C. Sowerby)											●	●	●
<i>E. fowleri</i> Tracey											○		
<i>E. fusellina</i> Tracey											●		
<i>E. obscurata</i> (J. de C. Sowerby)									●	●	●	●	●
<i>E. inculta</i> (J. de C. Sowerby)				●			●						
<i>Gemmula plebeia</i> (J. de C. Sowerby)							○		●	●	●	●	●
<i>G. pastoralis</i> Tracey								●?	●	●	●	●	●
<i>G. veteratoris</i> Tracey											●		
<i>G. traceyi</i> Tucker & Le Renard	●?				●?		●		●	●	●	●	●
<i>G. wrigleyi</i> Tracey	●				●		●						
<i>G. conifera</i> (Edwards)									●	●	●	●	●
<i>Crassispira semicolon</i> (J. Sowerby)					●		●	●	●	●	●	●	●
<i>Oxyacrum obliteratum</i> (Deshayes)	●				●		●			●?			
<i>O. leptum</i> (Edwards)					●		●		●	●	●	●	●
<i>O. aff. leptum</i> (Edwards)							●		●	●	●	●	●
<i>Tripla fisheri</i> (Edwards)								●?	●	●	●	●	●
<i>T. aff. sulcata</i> (Lamarck) *						●	●						
<i>T. aff. granulata</i> (Lamarck) *	●		●		●	●		●			●		
<i>Microdrillia helicoides</i> (Edwards)								●	●	●	●	○	
<i>M. elegantula</i> (de Bousig)	●				●			●			●	●	●
<i>M. aff. subturrella</i> (de Bousig) *	●												
" <i>Asthenotoma</i> " aff. <i>pupa</i> (Edwards) *								●	●	●	●	●	●
" <i>A.</i> " <i>newtoni</i> (Tucker & Le Renard)								●	●	●	●	●	●
" <i>Asthenotoma</i> " sp. *	●				●			●	●				
<i>Domenginella pyrgota</i> (Edwards)										●			
<i>Cordieria biplicata</i> (J. de C. Sowerby)										●	●	●	●
<i>Acamptogenotia loustaiae</i> (Deshayes)	●							●					
<i>Cytharella labratula</i> (Cossmann)	●												
<i>Amblyacrum aff. rugosum</i> (Deshayes) *											●?	●	
<i>A. costellatum</i> aff. <i>quantulum</i> (Deshayes) *												●	
<i>A. sp.1</i> *	●					●				●			
<i>A. sp.2</i> aggr.										●	●		
<i>Etrema</i> ? sp. *										●	●		
<b>CONIDAE</b>													
<i>Conorbis aliger</i> Tracey & Todd									●	●			
<i>C. marginatus</i> (Lamarck)											●	●	
<i>Cryptoconus amphiconus</i> (J. de C. Sowerby)								●	●	●	●	●	●
<i>C. glabratus</i> (Lamarck)												○	
<i>C. priscus</i> (Solander)									●	●	●	●	
<i>Leptoconus edwardsi</i> (Cossmann)								○?	●	●	●	●	●
<i>Conilithes filifer</i> (Edwards)								o?			●	●	●
<b>TEREBRIDAE</b>													
<i>Mirula</i> cf. <i>plicatula</i> (Lamarck) *	●				●	●	●	●	●	●			

<b>ARCHITECTONICIDAE</b>	
<i>Granosolarium pulchrum</i> (J. de C. Sowerby in Dixon, 1850); [Solarium] Dixon: pl.6, fig.3b; [Stellaxis] C. & C. pl.17, fig.7; B. & B. pl.4, fig.11	
<i>Granosolarium</i> cf. <i>spectabile</i> (J. de C. Sowerby in Dixon, 1850); cf. [Solarium] Dixon: pl.6, fig.2	
<i>Granosolarium canaliculatum</i> (Lamarck, 1804); [Solarium] Dixon: pl.6, fig.3a; C. & P.2: pl.16, 104-6	
<i>Granosolarium</i> aff. <i>canaliculatum</i> (Lamarck, 1804)*; [Solarium selsiense] Newton, 1891 nom.nud.	
<i>Nipteraxis</i> cf. <i>lebescontei</i> (Vasseur, 1882) cf. [Solarium] Vasseur, 1882: pl.10, fig.14; Cossmann, 1899: pl.3, figs 19-20	
<i>Nipteraxis</i> sp.*	
<b>MATHILDIDAE</b>	
<i>Mathilda crossei</i> de Boury, 1883; [Mathildia] C. & P.2: pl.22, 128-4	
<i>Mathilda</i> aff. <i>crossei</i> de Boury, 1883*	
<i>Mathilda abbreviata</i> Gougerot & Le Renard, 1981	
<i>Mathilda baylei</i> de Boury, 1883; [Mathildia] C. & P.2: pl.22, 128-1	
<i>Mathilda</i> aff. <i>bourdoti</i> de Boury, 1883*	
<i>Clathrobaculus</i> aff. <i>raincourtii</i> (de Boury, 1883)*	
<i>Acrocoelum bouri</i> (Cossmann, 1888); [Mathildia (A.)] C. & P.2: pl.22, 128-13	
<i>Tuba sculpta</i> (J. de C. Sowerby, 1823); [Littorina sulcata] Dixon: pl.7, fig.27; [T. sulcata] Newton, 1891	
<b>PYRAMIDELLIDAE</b>	
<i>Cossmannica emarginata</i> (Cossmann, 1888); Glibert 1938: 51, fig.23; [Syrnola (C.)] C. & P.2: pl.6, 43-3	
<i>Cossmannica speciosa</i> (Deshayes, 1861); [Syrnola (C.)] C. & P.2: pl.6, 43-6; [Obeliscus microstoma] non Desh. Newton, 1891	
<i>Ptycheulinella</i> sp. 1*	
<i>Ptycheulinella</i> sp. 2*	
<i>Syrnola angusta</i> (Deshayes, 1861); C. & P.2: pl.6, 43-15; [Obeliscus a. & O. subquadratus] Newton, 1891 nom.nud.	
<i>S. aff. angusta</i> (Deshayes, 1861)	
<i>Syrnola spina</i> (Deshayes, 1824); Glibert 1938: 47, fig.20	
<i>Syrnola acicula</i> (Lamarck, 1804); C. & P.2: pl.6, 43-18	
<i>Syrnola</i> cf. <i>nitida</i> (Melleville, 1843); cf. C. & P.2: pl.6, 43-9	
<i>Syrnola</i> aff. <i>parva</i> (Deshayes, 1861) sp.1*	
<i>Syrnola</i> aff. <i>parva</i> (Deshayes, 1861) sp.2*	
<i>Syrnola</i> sp.	
<i>Eulimella inornata</i> (Deshayes, 1861); C. & P.2: pl.7, 45-1	
<i>Odostomia</i> aff. <i>turbanilloides</i> (Deshayes, 1861)	
<i>Odostomia</i> sp.*	
<i>Brachystomia</i> aff. <i>lapparenti</i> (de Raincourt, 1885)	
<i>Brachystomia</i> cf. <i>lubrica</i> (Deshayes, 1861); C. & P.2: pl.6, 44-21	
<i>Brachystomia</i> sp. 1	
<i>Brachystomia</i> sp. 2	
<i>Megastomia</i> (M.) aff. <i>deshayesi</i> (Briart & Cornet, 1873)*	
<i>Megastomia</i> (M.) aff. <i>hordeola</i> (Lamarck, 1804)	
<i>Megastomia</i> (M.) aff. <i>minor</i> (Deshayes, 1861)	
<i>Megastomia</i> (M.) aff. <i>modesta</i> (Deshayes, 1861)	
<i>Megastomia</i> (M.) aff. <i>nana</i> (Deshayes, 1861)	
<i>Megastomia</i> (M.) aff. <i>pervicina</i> (Cossmann, 1899)*	
<i>Megastomia</i> (M.) aff. <i>pyramidelleta</i> (Deshayes, 1861)	
<i>Megastomia</i> (M.) aff. <i>wetherelli</i> (Le Renard, 1994)*	
<i>Megastomia</i> (M.) sp. 1*	
<i>Megastomia</i> ( <i>Evelynella</i> ) sp. 2*	
<i>Evalea</i> ( <i>Nisostomia</i> ) <i>basilirata</i> (Gougerot, 1968)	
<i>Noemiamaea</i> sp.*	
<i>Belonidium rouaulti</i> (Le Renard, 1994); [B. fragile (Desh.)] non Adams. C. & P.2: pl.7, 45bis-4	
<i>Belonidium gracile</i> (Deshayes, 1861); C. & P.2: pl.7, 45bis-1	
<i>Belonidium morleti</i> (Cossmann, 1888); C. & P.2: pl.7, 45bis-5	
<i>Belonidium suturale</i> (Cossmann, 1888); C. & P.2: pl.7, 45bis-6	
<i>Belonidium</i> cf. <i>polygyrata</i> (Deshayes, 1861); cf. C. & P.2: pl.7, 45bis-2	

	E. Selsey			Bracklesham Bay								
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8
<b>ARCHITECTONICIDAE</b>												
<i>Granosolarium pulchrum</i> (J.de C. Sowerby)											•	●
<i>G. cf. spectabile</i> (J. de C. Sowerby)										•		
<i>G. canaliculatum</i> (Lamarck)	●	•	•	•	•		●	•?	•			
<i>G. aff. canaliculatum</i> (Lamarck) *												
<i>Nipteraxis cf. lebescontei</i> (Vasseur)	•						●	●	●	●	●	●
<i>N. sp. *</i>							•					
<b>MATHILDIDAE</b>												
<i>Mathilda crossei</i> de Boury											●	○
<i>M. aff. crossei</i> de Boury *	●			●	●							
<i>M. abbreviata</i> Gougerot & Le Renard							●	●				
<i>M. baylei</i> de Boury							●	●	●	●	●	●
<i>M. aff. bourdoti</i> de Boury *							●		●	●	●	○
<i>Clathrobaculus aff. raincourtii</i> (de Boury) *							●		●	●	●	●
<i>Acrocoelum bouryi</i> (Cossmann)											●	●
<i>Tuba sculpta</i> (J. de C. Sowerby)	●			●	●	●	●	●	●	●	●	●
<b>PYRAMIDELLIDAE</b>												
<i>Cossmannica emarginata</i> (Cossmann)	●			●	●		●	●	●	●	●	●
<i>C. speciosa</i> (Deshayes)											●	○?
<i>Ptycheulimella</i> sp.1 *							●				●	
<i>P. sp.2</i> *											●	
<i>Syrnola angusta</i> (Deshayes)		●					●	●	●	●	●	●
<i>S. aff. angusta</i> (Deshayes)		●									●	
<i>S. spina</i> (Deshayes)							●	●	●	●	●	●
<i>S. acicula</i> (Lamarck)							●					
<i>S. cf. nitida</i> (Melleville)	●			●			●	●	●	●		
<i>S. aff. parva</i> (Deshayes) sp.1 *							●	●	●	●	●	●
<i>S. aff. parva</i> (Deshayes) sp.2 *							●	●	●	●	●	●?
<i>S. sp. *</i>							●	●				
<i>Eulimella inornata</i> (Deshayes)	●?							●?				
<i>Odostomia aff. turbonilloides</i> (Deshayes)	●			●	●		●	●				●
<i>O. sp. *</i>										●		
<i>Brachystomia aff. lapparenti</i> (de Raincourt)							●					
<i>B. cf. lubrica</i> (Deshayes)											●	
<i>B. sp.1</i>							●					
<i>B. sp.2</i>							●					
<i>Megastomia aff. deshayesi</i> (Briart & Cornet) *											●	
<i>M. aff. hordeola</i> (Lamarck)											●	●
<i>M. aff. minor</i> (Deshayes)								●			●	
<i>M. aff. modesta</i> (Deshayes)	●						●					
<i>M. aff. nana</i> (Deshayes)											●	●
<i>M. aff. pervicina</i> (Cossmann) *							●	●	●	●		
<i>M. aff. pyramidellata</i> (Deshayes)	●											
<i>M. aff. wetherelli</i> (Le Renard) *											●	●
<i>M. sp.1 *</i>											●	
<i>M. sp. 2 *</i>	●			●	●		●				●	●
<i>Evalea basilirata</i> (Gougerot)	●										●	
<i>Noemiamea</i> sp. *				●	●		●		●	●?		
<i>Belonidium rouaulti</i> (Le Renard)	●						●				●	
<i>B. gracile</i> (Deshayes)											●	
<i>B. morleti</i> (Cossmann)									●		●	●
<i>B. suturale</i> (Cossmann, )											●	●
<i>B. cf. polygyrata</i> (Deshayes)								●				

<i>Turbanilla</i> aff. <i>notata</i> (Deshayes, 1861) * aggr. incl. [ <i>T. semiplicata</i> ] Newton, 1891 <i>nom.nud.</i>
<i>Turbanilla</i> cf. <i>obliquata</i> (Deshayes, 1861); [ <i>T. compta</i> Desh.] C.& P.2: pl.7, 48-1; Glibert 1938: 50, fig.22
<i>Pyrgiscus</i> sp.* aggr.
<i>Pseudorisoissoina parisiensis</i> Gougerot & Le Renard, 1977; [ <i>Rissoa globulus</i> ] in part. Newton, 1891 <i>nom.nud.</i>
<b>EBALIDAE</b>
<i>Ebala scalarina</i> (Deshayes, 1861) c.n.; [ <i>Belonidium</i> ] C.& P.2: pl.7, 45bis-3
<b>ACTEONIDAE</b>
<i>Acteon procerus</i> (Deshayes, 1862); [ <i>Actaeon</i> ] C.& P.2: pl.54, 233-12; [ <i>A. sulcatus</i> ] non Lam. Dixon: pl.5, fig.8
<i>Acteon subinflatus</i> (d'Orbigny, 1850); C.& P.2: pl.53, 233-1
<i>Acteon turgidus lutetianus</i> Gougerot & Le Renard, 1984: 82, fig.7
<i>Acteon</i> aff. <i>curtus</i> (von Koenen, 1892) *
<i>Acteon bevaletii</i> (Baudon, 1853); C.& P.2: pl.54, 233-15
<i>Semiaetaeon sphaericulus</i> (Deshayes, 1862); [ <i>Actaeon (S.)</i> ] C.& P.2: pl.54, 233-16
<i>Rictaxis munieri</i> (Deshayes, 1862); [ <i>Actaeonidea</i> ] C.& P.2: pl.54, 234bis-2
<i>Tornatellaea simulata</i> (Solander in Brander, 1766); Glibert 1938: pl.4, fig.21; C.& C. pl.27, fig.5; [ <i>Solidula</i> ] Newton, 1891
<i>Crenilabium suturatum</i> Cossmann, 1895: pl.7, fig.14, 15
<i>Volvaria bulloides</i> (Lamarck, 1804) C.& P.2: pl.43, 205ter-1
<b>RINGICULIDAE</b>
<i>Ringicula (R.) ringens</i> (Lamarck, 1804); C.& P.2: pl.55, 245-1; Glibert 1938: 142, fig.43
<b>CYLICHNIDAE</b>
<i>Scaphander altavillensis</i> (Deshayes, 1863); [ <i>Atys aperta</i> ] Newton, 1891 <i>nom.nud.</i>
<i>Scaphander</i> ? sp. - gizzard plates: [as attributed to <i>Scaphander conicus</i> ] Glibert 1938:148, fig.49
<i>Roxania ovulata</i> (Lamarck, 1804); C.& P.2: pl.55, 242-1; [ <i>Atys ventricosa</i> ] Newton, 1891 <i>nom.nud.</i>
<i>Cylichna sowerbyi</i> (Nyst, 1845); [ <i>Bulla acuminata</i> ] non Brug. J. Sowerby, 1824: pl.464, fig.5; [ <i>C. ambigena</i> (Desh.)] Glibert 1938: 144, fig.45
<i>Cylichna elliptica</i> (J. de C. Sowerby, 1824); Glibert 1938: 145, fig.46
<i>Cylichna bruguierei</i> (Deshayes & Milne-Edwards, 1836); [ <i>Bullinella</i> ] C.& P.2: pl.54, 241-1; [ <i>B. uniplicata</i> ] B.& B. pl.4, fig.7; [ <i>Bulla</i> ] Dixon: pl.7, fig.8
<i>Cylichna goniophora</i> (Deshayes, 1862); C.& P.2: pl.55, 241-4
<i>Cylichna</i> aff. <i>goniophora</i> (Deshayes, 1862) aggr.
<i>Cylichna</i> sp.1 *
<i>Cylichna</i> sp.2 *
<b>PHILINIDAE</b>
<i>Philine (Megistostoma) expansa</i> (J.de C.Sby, 1850); Glibert 1938: pl.3, fig.19; [ <i>Bulla</i> ] Dixon: pl.7, fig.18
<b>HAMINOEIDAE</b>
<i>Aliculastrum extensum</i> (J.de C. Sowerby in Dixon, 1850); [ <i>Bulla</i> ] Dixon: pl.7, fig.6; [ <i>Volvulella</i> ] Newton, 1891
<i>Aliculastrum attenuatum</i> (J.de C. Sowerby, 1824): pl.464, fig.3; [ <i>Bullinella</i> ] Newton, 1891
<b>RETUSIDAE</b>
<i>Cylichnina conulus</i> (Deshayes, 1824); [ <i>Bullinella (C.)</i> ] C.& P.2: pl.54, 241-13
<i>Cylichnina caillati</i> (Deshayes, 1862); [ <i>Bullinella (C.)</i> ] C.& P.2: pl.54, 241-14
<i>Volvulella (V.) radius</i> (Deshayes, 1862); C.& P.2: pl.54, 238-4
<i>Volvulella (V.)</i> aff. <i>charlesworthi</i> Newton, 1895
" <i>Volvulella</i> " <i>lanceolata</i> (J.de C. Sowerby in Dixon, 1850); B.& B. pl.4, fig.12; [ <i>Bulla</i> ] Dixon: pl.7, fig.7
<b>SPIRATELLIDAE</b>
<i>Limacina nemoris</i> (Curry, 1965b): 365, fig.17
<i>Skaptotion nitens</i> (Lea, 1833); [ <i>S. bartonense</i> ] Curry, 1965b: 365, figs 11,13,14; (see Hodgkinson et al., 1992)
<b>UMBRACULIDAE</b>
<i>Umbraculum brabanticum</i> Glibert, 1938: 151, fig.50; [ <i>Umbrella laudunensis</i> ] non Melleville, Newton, 1891
<b>Bivalvia</b>
<b>NUCULIDAE</b>
<i>Nucula dixoni</i> Wood, 1864; Glibert 1936: 12, fig.6; B.& B. pl.3, fig.2; [ <i>N. similis</i> ] non Sowerby. Dixon pl.2, fig.7
<i>Nucula</i> aff. <i>dixoni</i> Wood, 1864 *
<i>Nucula praelongata</i> Wood, 1864: pl.19, fig.1
<i>Nucula</i> aff. <i>praelongata</i> Wood, 1864 *

	E. Selsey			Bracklesham Bay									
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8	S9
<i>Turbanilla aff. notata</i> (Deshayes) * aggr.	●			•	•		●	●	●	●	●	●	●
<i>T. cf. obliquata</i> (Deshayes)													
<i>Pyrgiscus</i> sp. * aggr.				•					•	●	●	●	●
<i>Pseudorisoissoina parisiensis</i> Gougerot & Le Ren.									●	●	●	●	●
<b>EBALIDAE</b>													
<i>Ebala scalarina</i> (Deshayes)									•	•			
<b>ACTEONIDAE</b>													
<i>Acteon procerus</i> (Deshayes)	●						●	●	●	●			
<i>A. subinflatus</i> (d'Orbigny)	●			•	•		●	●	●	●	●	●	●
<i>A. turgidus lutetianus</i> Gougerot & Le Renard											○		
<i>A. aff. curtus</i> (von Koenen) *									•	•	●	●	●
<i>A. bevaletii</i> (Baudon)	●			●			●	●	●	●	○?		
<i>Semiactaeon sphaericulus</i> (Deshayes)									●		●		
<i>Rictaxis munieri</i> (Deshayes)											○		
<i>Tornatellaea simulata</i> (Solander)							●				○		
<i>Crenilabium suturatum</i> (Cossmann)								●		●			
<i>Volvaria bulloides</i> (Lamarck)	●												
<b>RINGICULIDAE</b>													
<i>Ringicula ringens</i> (Lamarck)	●			•	•	●	●	●	●	●	●	●	●
<b>CYLICHNIDAE</b>													
<i>Scaphander altavillensis</i> (Deshayes)						•	●	●	●	●	●	●	●
<i>Scaphander?</i> sp. [gizzard plates]				●	●		●	●	●	●	●	●	●
<i>Roxania ovulata</i> (Lamarck)							●	●	●	●	●	●	●
<i>Cylichna sowerbyi</i> (Nyst)				●?			●	●	●	●	●	●	●
<i>C. elliptica</i> (J. de C. Sowerby)							●	●	●	●	●	●	●
<i>C. bruguierei</i> (Deshayes & Milne-Edwards)	●				●	●	●	●	●	●			
<i>C. goniophora</i> (Deshayes)	●								●	●	●		
<i>C. aff. goniophora</i> (Deshayes) aggr.	●											●	
<i>C. sp.1</i> *	●			●	●	●	●		●	●	●		
<i>C. sp.2</i> *								●					
<b>PHILINIDAE</b>													
<i>Philine expansa</i> (J. de C. Sowerby)									●		●		
<b>HAMINOEIDAE</b>													
<i>Aliculastrum extensem</i> (J. de C. Sowerby)						●							
<i>A. attenuatum</i> (J. de C. Sowerby)											●	○	
<b>RETUSIDAE</b>													
<i>Cylichnina conulus</i> (Deshayes)	●							O?	●	●	●	●	
<i>C. caillati</i> (Deshayes)								●	●	●	●	●	
<i>Volvulella radius</i> (Deshayes)	●?				●		●	●	●	●	●	●	
<i>V. aff. charlesworthi</i> Newton	●						●	●	●	●			
" <i>V.</i> " <i>lanceolata</i> (J.de C. Sowerby)	●						●	●	●	●	●	●	●
<b>SPIRATELLIDAE</b>													
<i>Limacina nemoris</i> (Curry)												●	
<i>Skaption nitens</i> (Lea)									●	●	●	●	
<b>UMBRACULIDAE</b>													
<i>Umbraculum brabanticum</i> Glibert												●	
<b>Bivalvia</b>													
<b>NUCULIDAE</b>													
<i>Nucula dixoni</i> Wood	●			●	●		●	●	●	●			
<i>N. aff. dixoni</i> Wood *					●								
<i>N. praelongata</i> Wood					●		●	●					
<i>N. aff. praelongata</i> Wood *	●			●			●	●	●		●		

<i>Nucula contigua</i> Wood, 1864: pl.18, fig.6
<i>Nucula protracta</i> Wood, 1864: pl.18, fig.15
<i>Lamellinucula nystana</i> (Le Hon, 1863); Glibert 1936: 13, fig.7
<i>Leionucula bisulcata</i> (J. de C. Sowerby in Dixon, 1850); [ <i>Nucula</i> ] Dixon: pl.2, fig.13; B.& B. pl.3, fig.7
<b>NUCULANIDAE</b>
<i>Sacella costulata</i> (Deshayes, 1860); [ <i>Leda</i> ] Wood, 1864: pl.17, fig.3; [ <i>Nuculana</i> ] Glibert 1936: 18, fig.11
<i>Sacella galeottiana</i> (Nyst, 1843) aggr.; [ <i>Nuculana</i> ] Glibert 1936: 16, fig.8; [ <i>Parvilucina</i> ] B.& B. pl.1, fig.9; [ <i>Nucula serrata</i> ] Dixon: pl.2,fig.9;
<i>Sacella</i> aff. <i>communis</i> (Wood, 1864) *
<b>LIMOPSIDAE</b>
<i>Pectunculina granulata</i> (Lamarck, 1805); [ <i>Limopsis</i> ] Dixon: pl.3,fig.19
<i>Nucunella granulatoides granulatoides</i> (Galeotti, 1837); [ <i>N. nystii</i> (Gal.)] Glibert 1936: 29, fig.16 (see Dolin et al., 1980)
<b>NUCINELLIDAE</b>
<i>Nucinella miliaris</i> (Deshayes, 1829); [ <i>Nuculina</i> ] C.& P.1: pl.33, 106-1
<b>GLYCYMERIDIDAE</b>
<i>Glycymeris</i> (G.) cf. <i>quasipulvinata</i> (Wood, 1864); [ <i>Pectunculus</i> ] Wood, 1864: pl.16, fig.1
<i>Glycymeris</i> (G.) <i>pulvinata</i> (Lamarck, 1805); B.& B. pl.3, fig.1; [ <i>Pectunculus</i> ] Dixon: pl.2, fig.25
<i>Glycymeris</i> (G.) <i>globosa</i> (J. de C. Sowerby in Dixon, 1850); [ <i>Pectunculus</i> ] Dixon: pl.3,fig.20
<i>Glycymeris</i> (G.) aff. <i>globosa</i> (J. de C. Sowerby in Dixon, 1850) *; [ <i>Axinea pulvinata</i> var. <i>obliquata</i> ] Newton, 1891 nom.nud. (in part)
<b>ARCIDAE</b>
<i>Arca</i> (A.) <i>biangula</i> Lamarck, 1805; C.& P.1: pl.35, 110-1; C.& C. pl.6, fig.10; B.& B. pl.2, fig.9; [ <i>Byssarca branderi</i> ] non Sby 1821. Dixon: pl.3,fig.23
<i>Barbatia</i> (B.) <i>appendiculata</i> (J. Sowerby, 1821); B.& B. pl.2, fig.8; [ <i>Byssarca duplicata</i> ] Dixon pl.3,fig.22; [ <i>Arca</i> d., <i>A. planicosta</i> ] Newton, 1891
<i>Barbatia</i> (B.) <i>irregularis</i> (Deshayes, 1829); [ <i>Arca</i> (B.)] C.& P.1: pl.36, 110-17
<i>Barbatia</i> ( <i>Obliquarca</i> ) <i>interrupta</i> (Lamarck, 1805); [ <i>Arca</i> (B.)] C.& P.1: pl.36, 110-29; [ <i>Byssarca</i> ] Dixon: pl.3, fig.21
<i>Barbatia</i> ( <i>Obliquarca</i> ) <i>laekeniana</i> (Le Hon, 1863); [ <i>Arca</i> ] Wood, 1864: pl.15, fig.7; [ <i>Arca</i> (O.)] Glibert 1936: 23, figs 12,13
<i>Barbatia</i> ( <i>Obliquarca</i> ) <i>modioliformis</i> (Deshayes, 1830); [ <i>Arca</i> ] Wood, 1864: pl.14, fig.5; [ <i>A. (Barbatia)</i> ] C.& P.1: pl.36, 110-38
<i>Rostarca tegulata</i> (Wood, 1864) c.n.; [ <i>Arca</i> ] Wood, 1864: pl.15, fig.10
<b>NOETIIDAE</b>
<i>Trinacria media</i> (Deshayes, 1858); C.& P.1: pl.34, 107-6
<i>Trigonodesma lissa</i> (Bayan, 1873); Glibert 1936: 26, fig.14; [ <i>Arca laevigata</i> Caillat] Wood, 1864: pl.15, fig.8
<i>Scapularca globulosa</i> (Deshayes, 1829); [ <i>Arca (Anadara)</i> ] C.& P.1: pl.36, 110-46
<b>MYTILIDAE</b>
<i>Semimodiola</i> cf. <i>hastata</i> (Deshayes, 1830); cf. [ <i>Modiola</i> ] Wood, 1861: pl.12, fig.6
<i>Semimodiola crassistriata</i> (Wood, 1864) c.n.; [ <i>Modiola</i> ] Wood, 1864: pl.19, fig.16
" <i>Modiola</i> " cf. <i>tubicola</i> Wood, 1861: cf. pl.13, fig.12
<b>PTERIIDAE</b>
<i>Pteria</i> sp. [ <i>Avicula media</i> ] in part, Newton, 1891
<b>PINNIDAE</b>
<i>Pinna margaritacea</i> Lamarck, 1805; Wood, 1861: pl.11, fig.9; C.& P.1: pl.39, 120-1
<b>GRYPHAEIDAE</b>
<i>Pycnodonte gigantica</i> (Solander in Brander, 1766); [ <i>Ostrea elephantopus</i> & <i>O. picta</i> J.de C. Sowerby, 1850] Dixon: pl.4, fig.1
<b>OSTREIDAE</b>
<i>Cubitostrea elegans</i> (Deshayes, 1832); [ <i>Ostrea</i> ] Wood, 1861: pl.7, fig.4; [ <i>O. flabellula</i> ] non Lam. Dixon: pl.4, fig.5
<i>Cubitostrea flabellula</i> (Lamarck, 1806); [ <i>Ostrea wemmelensis</i> ] Glibert 1936:13, fig.7; <b>PI.1, figs 10-11</b>
<i>Striostrea zonulata</i> (Wood, 1861) c.n.; [ <i>Ostrea</i> z. & <i>O. aliena</i> ] Wood, 1861: pl.8, fig.4, 2; [ <i>O. inflata</i> ] non Desh. Dixon: pl.4, fig.7
<i>Striostrea dorsata</i> (J. de C. Sowerby, 1825); [ <i>Ostrea</i> ] Wood, 1861: pl.6, fig.2
<i>Saccostrea</i> ? sp. [ <i>Ostrea longirostris</i> ] non Lam. Dixon: pl.4, fig.4
<b>PECTINIDAE</b>
<i>Lentipecten corneus</i> (J. Sowerby, 1812); C.& C. pl.7, fig.5; B.& B. pl.3, fig.3; [ <i>Pecten</i> ] Dixon: pl.4, fig.6; [ <i>Amusium</i> ] Glibert 1936: pl.2, fig.2
<i>Mimachlamys</i> aff. <i>trigintaradiatus</i> (J. de C.Sowerby,1850)
<i>Eburneopecten</i> sp. *
<b>ANOMIIDAE</b>
<i>Anomia anomalis</i> (Lamarck, 1819); [ <i>A. tenuistriata</i> Desh.] Dixon: pl.4, fig.8; C.& P.1: pl.44, 136-1
<i>Heteranomia tubifera</i> (Vincent, 1894) c.n.; [ <i>Anomia</i> ] Glibert 1936: 59, fig.28

	E. Selsey			Bracklesham Bay									
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8	S9
<i>Nucula contigua</i> Wood			●								○		
<i>N. protracta</i> Wood										○			
<i>Lamellinucula nystana</i> (Le Hon)							•?			•		●	●
<i>Leionucula bisulcata</i> (J. de C. Sowerby)	•			•	○		•			●		●	●
<b>NUCULANIDAE</b>													
<i>Sacella costulata</i> (Deshayes)									•	•			
<i>S. galeottiana</i> (Nyst) aggr.								•	●	●	●	●	●
<i>S. aff. communis</i> (Wood) *	●			●	•	•	•	•	●	●	●	●	●
<b>LIMOPSIDAE</b>													
<i>Pectunculina granulata</i> (Lamarck)				•	•	●	●	●	●	●	●	●	●
<i>Nucunella granulatoides</i> (Galeotti)								●					
<b>NUCINELLIDAE</b>													
<i>Nucinella miliaris</i> (Deshayes)									•				
<b>GLYCYMERIDIDAE</b>													
<i>Glycymeris cf. quasipulvinata</i> (Wood)	•												
<i>G. pulvinata</i> (Lamarck)					•?	●	•		●	●	●		
<i>G. globosa</i> (J. de C. Sowerby)		●			●		•		●				
<i>G. aff. globosa</i> (J. de C. Sowerby) *											●	●	
<b>ARCIDAE</b>													
<i>Arca biangula</i> Lamarck	●												
<i>Barbatia appendiculata</i> (J. Sowerby)	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>B. irregularis</i> (Deshayes)							●						
<i>B. interrupta</i> (Lamarck)	●		●	●			•?	●?					
<i>B. laekeniana</i> (Le Hon)									●	●	●	●	●
<i>B. modioliformis</i> (Deshayes)									●	●			
<i>Rostarca tegulata</i> (Wood)											○		
<b>NOETIIDAE</b>													
<i>Trinacria media</i> (Deshayes)	●				●								
<i>Trigonodesma lissa</i> (Bayan)	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>Scapularca globulosa</i> (Deshayes)													●
<b>MYTILIDAE</b>													
<i>Semimodiola cf. hastata</i> (Deshayes)	●				●	●			●	●	●		
<i>S. crassistriata</i> (Wood)												●	
" <i>Modiola</i> " cf. <i>tubicola</i> Wood												●	
<b>PTERIIDAE</b>										●		●	
<i>Pteria</i> sp.										●		●	
<b>PINNIDAE</b>													
<i>Pinna margaritacea</i> Lamarck	●								●	●	●	●	●
<b>GRYPHAEIDAE</b>													
<i>Pycnodonte gigantica</i> (Solander)									●	●	●	●	●
<b>OSTREIDAE</b>													
<i>Cubitostrea elegans</i> (Deshayes)	●	●			●	●			●		●	●	●
<i>C. flabellula</i> (Lamarck)	●	●	●		●	●		●	●	●	●	●	●
<i>Striostrea zonulata</i> (Wood)	●	●	●	●	●	●	●	●	●	●			
<i>S. dorsata</i> (J. de C. Sowerby)											●	●	
<i>Saccostrea</i> ? sp.							○						
<b>PECTINIDAE</b>													
<i>Lentipecten corneus</i> (J. Sowerby)										●	●	●	●
<i>Mimachlamys aff. trigintaradiatus</i> (J.de C.Sby)	●				●	●	●	●	●	●	●	●	●
<i>Eburneopecten</i> sp. *											●	●	
<b>ANOMIIDAE</b>													
<i>Anomia anomalis</i> (Lamarck)	●							●		●	●	●	●
<i>Heteranomia tubifera</i> (Vincent)									●	●	●	●	●

<b>SPONDYLIDAE</b>	
<i>Spondylus rarispina</i> Deshayes, 1830; Wood, 1861: pl.8, fig.1; C.& P.1: pl.41, 134-2	
<b>LUCINIDAE</b>	
<i>Saxolucina</i> cf. <i>proxima</i> (Deshayes, 1857); cf. C.& P.1: pl.25, 82-24	
<i>Monitilora</i> (M.) <i>elegans</i> (Defrance, 1823); [ <i>Phacoides (Cavilucina)</i> ] C.& P.1: pl.24, 82-17; [ <i>Miltha (C.)</i> ] Glibert 1936: pl.4, fig.3	
<i>Gonimyrtea galeottiana</i> (Nyst, 1845); [ <i>Anodontia (Parvilucina)</i> ] Glibert 1936:116, figs 49,50	
<i>Gonimyrtea spinulosa</i> (Edwards in Lowry et al., 1866); [ <i>Lucina</i> ] Newton, 1891; <b>Pl.2, fig.12</b>	
<i>Parvilucina pusilla</i> (Deshayes, 1857); C.& P.1: pl.26, 82-64; [var. <i>striatella</i> ] Deshayes, 1857: pl.43 ,figs 27-29	
<i>Pseudomiltha</i> sp.	
<i>Divalinga (Stchepinskya) serrata</i> (J. de C. Sowerby in Dixon, 1850); [ <i>Lucina</i> ] Dixon: pl.3, fig.7	
<b>UNGULINIDAE</b>	
<i>Phlyctiderma</i> sp.1 * [ <i>Diplodonta compressa</i> ] Newton, 1891 <i>nom.nud.</i>	
<i>Phlyctiderma</i> sp.2 * cf. [ <i>Diplodonta transversa</i> ] Newton, 1891 <i>nom.nud.</i>	
<i>Phlyctiderma</i> sp.3 * [ <i>Diplodonta subrotundata</i> ] Newton, 1891 <i>nom.nud.</i>	
<i>Phlyctiderma puncturata</i> (Glibert, 1936); [ <i>Taras (P.)</i> ] Glibert 1936: pl.3, fig.10; [ <i>Diplodonta obesa</i> ] Newton, 1891 <i>nom.nud.</i>	
<i>Felaniella (Zemysia) elliptica</i> (Lamarck, 1805); [ <i>Diplodonta (F.)</i> ] C.& P.1: pl.23, 80-20	
<i>Felaniella (Zemysia)</i> sp.	
<i>Microstagon miliaria</i> (Lamarck, 1806); [ <i>M. miliare</i> ] C.& P.1: pl.32, 99-1	
<i>Microstagon obliqua</i> (Lamarck, 1806); [ <i>M. terminale</i> (Desh.]) C.& P.1: pl.32, 99-6	
<b>THYASIRIDAE</b>	
<i>Thyasira</i> sp.	
<b>ERYCINIDAE</b>	
<i>Erycina brabantica</i> Vincent, 1930; Glibert 1936: 127, fig.55	
<i>Erycina ruellensis</i> Cossmann, 1887; C.& P.1: pl.28, 88-11; Glibert 1936: 127, fig.54	
<i>Erycina</i> aff. <i>grignonensis</i> Deshayes, 1858	
<i>Erycina</i> aff. <i>tenuicula</i> Deshayes, 1858	
<i>Erycina</i> aff. <i>trigonularis</i> Deshayes, 1858	
<i>Erycina</i> sp.	
<b>MONTACUTIDAE</b>	
<i>Laubriereia</i> cf. <i>goodallina</i> Cossmann, 1887; cf. C.& P.1: pl.29, 90-4	
<b>SPORTELLIDAE</b>	
<i>Sportella dubia</i> (Deshayes, 1824); C.& P.1: pl.21, 77-1; Glibert 1936: 101, figs 40,41	
<i>Sportella</i> sp.	
<i>Anisodonta</i> cf. <i>rugulosa</i> (Deshayes, 1857); cf. [ <i>Basterotia (A.)</i> ] C.& P.1: pl.15, 65-2	
<i>Fulcrella sulcatica</i> (Cossmann, 1886); [ <i>Basterotia (F.)</i> ] C.& P.1: pl.16, 65-9	
<i>Hindsiella</i> sp.	
<b>CHAMIDAE</b>	
<i>Chama selseiensis</i> Wood, 1871: pl.25, fig.5; [ <i>C. selseiensis</i> ] Newton, 1891	
<i>Chama subgigas</i> d'Orbigny, 1850; C.& P.1: pl.20, 76-1; [ <i>C. gigas</i> Desh.] Dixon: pl.3, fig.26; Wood, 1871: pl.25, fig.2	
<i>Chama calcarata</i> Lamarck, 1806; Wood, 1871: pl.25, fig.1; C.& P.1: pl.20, 76-5	
<i>Chama papyracea</i> Deshayes, 1830; Wood, 1871: pl.25, fig.3; C.& P.1: pl.20, 76-3	
<b>CARDITIDAE</b>	
<i>Miodomeris modica</i> (Deshayes, 1858); [ <i>Cardita (Miodon)</i> ] C.& P.1: pl.32, 97-32;	
<i>"Pleuromeris"</i> aff. <i>cuneata</i> (Cossmann, 1882) *	
<i>"Pleuromeris"</i> aff. <i>decussata</i> (Lamarck, 1806) *	
<i>Glans</i> sp.	
<i>Californicardia obovata</i> (Wood, 1871) c.n.; [ <i>Cardita</i> ] Wood, 1871: pl.22, fig.13	
<i>Venericardia</i> aff. <i>elegans</i> (Lamarck, 1806) *	
<i>Venericardia subelegans</i> (Wood, 1871); [ <i>Cardita</i> ] Wood, 1871: 146; <b>Pl.3, figs 23, 24</b>	
<i>Venericor planicosta planicosta</i> (Lamarck, 1806); C.& C. pl.10, figs 9,10; B.& B. pl.2, fig.2; [ <i>Cardita</i> ] Dixon: pl.2, figs 14,18	
<b>CRASSATELLIDAE</b>	
<i>Crassatella (C.) sowerbyi</i> Wood, 1871; C.& C. pl.9, fig.16; B.& B. pl.2, fig.4; [ <i>C. compressa</i> ] non. Lam. Dixon: pl.2, fig.2	
<i>Crassatella (C.) semilaevis</i> Wood, 1871: pl.24, fig.15	

	E. Selsey			Bracklesham Bay								
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8
<b>SPONDYLIDAE</b>												
<i>Spondylus rarispina</i> Deshayes	•											
<b>LUCINIDAE</b>												
<i>Saxolucina cf. proxima</i> (Deshayes)							●					
<i>Monitilora elegans</i> (Defrance)				•			●	●	●	●		
<i>Gonimyrtea galeottiana</i> (Nyst)	●			•			●	●	●			
<i>G. spinulosa</i> (Edwards)										•	•	
<i>Parvilucina pusilla</i> (Deshayes)							•?		•			
<i>Pseudomiltha</i> sp.							●					
<i>Divalinga serrata</i> (J. de C. Sowerby)	●	•			●				●	•		
<b>UNGULINIDAE</b>												
<i>Phlyctiderma</i> sp. 1 *								●			●	
<i>P.</i> sp. 2 *	●									•		
<i>P.</i> sp. 3 *										●		
<i>P. puncturata</i> (Glibert)				•			●	●	●	●	○	
<i>Felaniella elliptica</i> (Lamarck)							●	●	●			
<i>F.</i> sp.								●				
<i>Microstagon miliaria</i> (Lamarck)	●											
<i>M. obliqua</i> (Lamarck)	●											
<b>THYASIRIDAE</b>												
<i>Thyasira</i> sp.									●			
<b>ERYCINIDAE</b>												
<i>Erycina brabantica</i> Vincent								●				
<i>E. ruellensis</i> Cossmann	●							●	●			
<i>E. aff. grignonensis</i> Deshayes	●											
<i>E. aff. tenuicula</i> Deshayes							●					
<i>E. aff. trigonularis</i> Deshayes	●											
<i>E.</i> sp.									●			
<b>MONTACUTIDAE</b>												
<i>Laubriereia</i> cf. <i>goodallina</i> Cossmann										●		
<b>SPORTELLIDAE</b>												
<i>Sportella dubia</i> (Deshayes)								●	●			
<i>S.</i> sp.	●											
<i>Anisodonta</i> cf. <i>rugulosa</i> (Deshayes)								●				
<i>Fulcrella sulcatica</i> (Cossmann)	●			●								
<i>Hindsiella</i> sp.				●								
<b>CHAMIDAE</b>												
<i>Chama selseyensis</i> (Wood)	●	●	●	●	●	●	●	●?				
<i>C. subgigas</i> (d'Orbigny)						●		○				
<i>C. calcarata</i> Lamarck								●	●			
<i>C. papyracea</i> Deshayes,								○				
<b>CARDITIDAE</b>												
<i>Miodomeris modica</i> (Deshayes)	●											
" <i>Pleuromeris</i> " aff. <i>cuneata</i> (Cossmann) *								●	●		●	
" <i>P.</i> " aff. <i>decussata</i> (Lamarck) *											●	
<i>Glans</i> sp.										●		
<i>Claibornicardia obovata</i> (Wood)	●			●	●	●	●	●?				
<i>Venericardia</i> aff. <i>elegans</i> (Lamarck) *	●	●	●	●	●	●	●	●	●	●	●	
<i>V. subelegans</i> (Wood)											●	
<i>Venericor planicosta</i> (Lamarck)	●	●	●	●	●	●	●	●?			○	
<b>CRASSATELLIDAE</b>												
<i>Crassatella sowerbyi</i> Wood	●			●	●	●	●	●	●			
<i>C. semilaevis</i> Wood	●	●	●					●				

<i>Crassatella (C.) thallavignesi</i> Deshayes, 1857; C.& P.1: pl.29, 96-2
<i>Crassatella (C.) aff. sinuosa</i> Deshayes, 1824 *; [ <i>C. sinuosa</i> ] non Desh. Wood, 1871: pl.23, fig.3
<i>Bathytormus hemileius</i> (Wood, 1871); [ <i>Crassatella grignonensis</i> ] non Desh. Wood, 1871: pl.23, fig.8; [ <i>C. compressa</i> ] non Lam. C.& C. pl.9, figs 9, 10
<i>Crassatina (Chattonia)</i> aff. <i>aqualis</i> (Wood, 1871) *
<b>CARDIIDAE</b>
<i>Nemocardium (N.) parile</i> (Deshayes, 1858); C.& P.1: pl.19, 72-6; Glibert 1936: pl.4, fig.13; Tremlett, 1950: pl.15, fig.6
<i>Nemocardium (N.) brabanticum brabanticum</i> Glibert, 1933
<i>Nemocardium (N.) brabanticum superbum</i> Tremlett, 1950: pl.17, fig.10, 11; B.& B. pl.2, fig.3; [ <i>Cardium semigranulatum</i> ] Dixon: pl.2, fig.20
<i>Nemocardium (N.) aff. honi</i> (Nyst, 1862) *; [ <i>Protocardium selseiense</i> ] Newton, 1891 nom.nud.
<i>Vetricardium asperulum</i> (Lamarck, 1805); [ <i>Cardium</i> ] Tremlett, 1950: pl.18, fig.18; [ <i>C. alternatum</i> ] Dixon: pl.3, fig.14; cf. [ <i>C. coessmanni</i> ] Vincent, 1882
<i>Orthocardium porulosum porulosum</i> (Solander in Brander, 1766); C.& C. pl.12, fig.13; [ <i>Cardium (O.)</i> ] Tremlett, 1950: pl.19, fig.22
<i>Orthocardium porulosum keeni</i> (Glibert, 1936); [ <i>Laevicardium (Trachycardium)</i> ] Glibert 1936: pl.4, fig.12
<b>MACTRIDAЕ</b>
<i>Spisula (Eomactra) semisulcata</i> (Lamarck, 1805); Glibert 1936: pl.5, fig.8; [ <i>Mactra</i> ] Dixon: pl.3, fig.10; C.& P.1: pl.4, 29-1
<i>Spisula (Eomactra) compressa</i> (Deshayes, 1830); [ <i>Mactra</i> ] Dixon: pl.3, fig.3; C.& P.1: pl.5, 29-7
<b>SOLENIDAE</b>
<i>Solena (Eosolen) plagiula</i> (Coessmann, 1886); B.& B. pl.1, fig.12; [ <i>Solen (Solena)</i> ] C.& P.1: pl.2, 11-5; [ <i>Solen obliquus</i> ] Dixon: pl.2, fig.1;
<i>Solena (Eosolen) dixoni</i> (J. de C. Sowerby, 1844); [ <i>Solen</i> ] Dixon: pl.2, fig.23
<b>CULTELLIDAE</b>
<i>Cultellus</i> cf. <i>affinis</i> (J. Sowerby, 1812) cf. C.& C. pl.14, fig.2
<b>TELLINIDAE</b>
<i>Tellina (Tellinella) canaliculata</i> Edwards, 1847: pl.22, fig.5; Dixon: pl.2, fig.22; C.& P.1: pl.5, 35-4
<i>Cyclotellina lamellosa</i> (Deshayes, 1825); [ <i>Tellina (C.)</i> ] C.& P.1: pl.7, 35-40; Edwards, 1847: pl.23, fig.4
<i>Arcopagia (A.) plagia</i> (Edwards, 1847): pl.23, fig.3; [ <i>Tellina</i> ] Dixon: pl.3, fig.5; B.& B. pl.2, fig.6
<i>Arcopagia (A.) cf. parisiensis</i> (Salisbury, 1934); cf. [ <i>A. nitidula</i> (Desh.)] non Dunker. C.& P.1: pl.7, 36-7
<i>Arcopagia (A.)</i> sp. *; [ <i>Tellina obliquata</i> ] Newton, 1891 nom.nud.
<i>Arcopagia (Macaliopsis) craticula</i> (J. de C. Sowerby in Dixon, 1850); [ <i>Tellina</i> ] Dixon: pl.3, fig.4; [ <i>T. scalaroides</i> ] non Lam. Newton, 1891
<i>Arcopagia (Bertinella) pseudodonacialis</i> (d'Orbigny, 1850); [ <i>Tellina donacialis</i> ] Dixon: pl.3, figs 8, 9; C.& P.1: pl.6, 35-18; B.& B. pl.2, fig.5
<i>Arcopagia (Bertinella) textilis</i> (Edwards, 1847); [ <i>Tellina</i> ] Edwards, 1847: pl.22, fig.3; Dixon: pl.3, fig.1; [ <i>Angulus</i> ] Glibert 1936: 162, fig.67, pl.6, fig.2
<i>Arcopagia (Bertinella) cf. cornuta</i> Lamarck, (1806); cf. [ <i>T. (Peronidia)</i> ] C.& P.1: pl.6, 35-11
" <i>Arcopagia</i> " <i>rhomboidalis</i> (Edwards, 1847); [ <i>Tellina</i> ] Edwards, 1847: pl.10, fig.3 [ <i>T. (Macaliopsis)</i> ] Glibert 1936: pl.6, fig.5
<i>Elliptotellina tellinella</i> (Lamarck, 1806); [ <i>Tellina (E.)</i> ] C.& P.1: pl.5, 35-7
<i>Oudardia reflexa</i> (Edwards, 1847); [ <i>Tellina</i> ] Edwards, 1847: pl.10, fig.3
<b>PSAMMOBIIDAE</b>
<i>Macrosolen hollowaysii</i> (J. Sowerby, 1817); C.& C. pl.15, fig.6-8; B.& B. pl.3, fig.9; [ <i>Sanguinolaria</i> ] Dixon: pl.2, fig.6
<i>Psammotoena</i> aff. <i>constrictiuscula</i> (Vincent, 1929) *
<b>SEMELIDAE</b>
<i>Abra</i> cf. <i>deshayesi</i> (Bosquet, 1864); cf. C.& P.1: pl.5, 31-9; Glibert 1936: 158, fig.65; [ <i>Syndosmya soror</i> ] Newton, 1891 nom.nud.
<i>Abra</i> cf. <i>recluzii</i> (Deshayes, 1857); cf. C.& P.1: pl.5, 31-2; Glibert 1936: 159, fig.66
<b>SOLECURTIDAE</b>
<i>Solecurtus deshayesii</i> des Moulins, 1832; [ <i>Solenocurtus deshayesii</i> ] C.& P.1: pl.2, 14-1; [ <i>Solenocurtus parisiensis</i> ] Dixon: pl.2, fig.24
<b>ARCTICIDAE</b>
<i>Petalocardia pectenifera</i> (J. de C. Sowerby, 1823); [ <i>Miocardia pectinifera</i> ] C.& P.1: pl.16, 66-1; [ <i>Veniella</i> ] Glibert, 1936: pl.3, fig.8; <b>PI.2, figs 13-17</b>
<b>KELLIELLIDAE</b>
<i>Lutetia parisiensis</i> Deshayes, 1857; C.& P.1: pl.33, 100-2; Glibert 1936: 93, fig.36
<i>Lutetia deficiens</i> Coessmann, 1885; C.& P.1: pl.33, 100-3
<b>TRAPEZIIDAE</b>
<i>Straelenotrapezium brochii</i> (Defrance, 1828); [ <i>Cypriocardia oblonga</i> ] Dixon: pl.3, fig.18; [ <i>Trapezium parisiense</i> (Desh.)] Newton, 1891
<b>CORBICULIDAE</b>
<i>Polymesoda compressa</i> (Deshayes & Milne-Edwards, 1835); [ <i>Cyrena</i> ] C.& P.1: pl.13, 57-6; [ <i>C. charpentieri</i> ] Newton, 1891
<b>VENERIDAE</b>
<i>Callocardia (Nitidavenus) nitidula</i> (Lamarck, 1806); [ <i>Meretrix</i> ] C.& P.1: pl.11, 50-21; [ <i>Aphrodina</i> ] B.& B. pl.3, fig.4; [ <i>Cytherea lucida</i> ] Dixon: pl.3, fig.6
<i>Meroena polita</i> (Lamarck, 1806); [ <i>Sunetta</i> ] C.& P.1: pl.12, 51-2; [ <i>Cytherea trigonula</i> ] Dixon: pl.3, fig.2

	E. Selsey			Bracklesham Bay									
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8	S9
<i>Crassatella thallavignesi</i> Deshayes	•				•								
<i>C. aff. sinuosa</i> Deshayes		•	•					○					
<i>Bathyformus hemileius</i> (Wood)									●	●	●	●	●
<i>Crassatina aff. aequalis</i> (Wood) *					•			●	●	●	●	●	
<b>CARDIIDAE</b>													
<i>Nemocardium parile</i> (Deshayes)									●	●	●	●	●
<i>N. brabanticum brabanticum</i> Glibert	●												
<i>N. brabanticum superbum</i> Tremlett				•?	●	•		●					
<i>N. aff. honi</i> (Nyst) *									●	●	●	●	
<i>Vetricardium asperulum</i> (Lamarck)	●				•			●	●	●	●	●	●
<i>Orthocardium porulosum</i> (Solander) s.s.	●			•	•	●		●	●	●	●	●	
<i>O. porulosum keeni</i> (Glibert)								●					
<b>MACTRIDAЕ</b>													
<i>Spisula semisulcata</i> (Lamarck)	●		•		•			●?					
<i>S. compressa</i> (Deshayes)									●				
<b>SOLENIDAE</b>													
<i>Solena plagiula</i> (Cossmann)	●	•	•	•	•	•	•	•	●	●	●	●	
<i>S. dixoni</i> (J. de C. Sowerby)	●								●	●			
<b>CULTELLIDAE</b>													
<i>Cultellus cf. affinis</i> (J. Sowerby)										●	●		
<b>TELLINIDAE</b>													
<i>Tellina canaliculata</i> Edwards	●				•			●	●	●			
<i>Cyclotellina lamellosa</i> (Deshayes)			•										
<i>Arcopagia plagia</i> (Edwards)	●	•	•	●	●		●	●	●	●			●
<i>A. cf. parisiensis</i> (Salisbury)	●						•						
<i>A. sp. *</i>									○		○		
<i>A. craticula</i> (J. de C. Sowerby)						•		●?	●	●			
<i>A. pseudodonacialis</i> (d'Orbigny)	●				•				●				
<i>A. textilis</i> (Edwards)										●			●
<i>A. cf. corneola</i> (Lamarck)	●		•										
" <i>A.</i> " <i>rhomboidalis</i> (Edwards)									●	●			
<i>Elliptotellina tellinella</i> (Lamarck)	●			•									
<i>Oudardia reflexa</i> (Edwards)	●?								●	●			
<b>PSAMMOBIIDAE</b>													
<i>Macrosolen hollowaysii</i> (J. Sowerby)	●			●			•		●	●			
<i>Psammotoena aff. constrictiuscula</i> (Vincent) *									●	●			
<b>SEMELIDAE</b>													
<i>Abra cf. deshayesi</i> (Bosquet)					•				●	●			
<i>A. cf. recluzii</i> (Deshayes)					•								
<b>SOLECURTIDAE</b>													
<i>Solecurtus deshayesi</i> des Moulins											•		
<b>ARCTICIDAE</b>													
<i>Petalocardia pectenifera</i> (J. de C. Sowerby)								•	●	●			
<b>KELLIELLIDAE</b>													
<i>Lutetia parisiensis</i> Deshayes			•					●					
<i>L. deficiens</i> Cossmann								●	●	●	●	●	●
<b>TRAPEZIIDI</b>													
<i>Straelenotrapezium brochii</i> (Defrance)	●												
<b>CORBICULIDAE</b>													
<i>Polymesoda compressa</i> (Desh. & Milne-Edwards)	●						•						
<b>VENERIDAE</b>													
<i>Callocardia nitidula</i> (Lamarck)	●	•		•			●						
<i>Meroena polita</i> (Lamarck)	●	•	●	•	●	●		●					

<i>Tivelina striatula</i> (Deshayes, 1824); [ <i>Meretrix (T.)</i> ] C. & P.1: pl.11, 50-30; [ <i>Cytherea</i> ] Dixon: pl.2, fig.16
<i>Pitar (Calpitaria) parisiensis</i> (Deshayes, 1858); Tremlett, 1953: pl.9, figs 34,35; [ <i>Meretrix</i> ] C. & P.1: pl.10, 50-7; [ <i>Cytherea nitidula</i> ] Dixon: pl.3, fig.13
<i>Pitar (Calpitaria) sulcarius</i> (Deshayes, 1825); [ <i>Meretrix (Pitaria)</i> ] C. & P.1: pl.10, 50-6; [ <i>Calpitaria</i> ] C. & C. pl.13, fig.1-3
<i>Pitar (Calpitaria) praelongus</i> Tremlett, 1953: pl.10, fig.42
<i>Pitar (Calpitaria) transversus</i> (J. de C. Sowerby, 1823); Tremlett, 1953: pl.11, fig.47
<i>Pitar (Calpitaria) selseiensis</i> Tremlett, 1953: pl.10, fig.44
<i>Macrocallista laevigata</i> (Lamarck, 1806); C. & C. pl.12, fig.1-3; [ <i>Pitaria</i> ] Glibert 1936: pl.5, fig.4; [ <i>Costacallista</i> ] Tremlett, 1953: pl.2, figs 16-17
<i>Macrocallista cf. suberycinoides</i> (Deshayes, 1825); [ <i>Cytherea</i> ] Dixon: pl.2, fig.15; [ <i>Costacallista</i> ] Tremlett, 1953: pl.3, fig.18; B. & B. pl.1, fig.11
<i>Clementia cf. deshayesi</i> Cossmann, 1886; cf. C. & P.1: pl.12, 54-1
<i>Psathura fragilis</i> (Lamarck, 1805); C. & P.1: pl.12, 56-1
<b>MYIDAE</b>
<i>Sphenia passyana</i> Deshayes, 1857; C. & P.1: pl.2, 18-1
<i>Sphenia radiatula</i> Cossmann, 1882; C. & P.1: pl.2, 18-6
<b>CORBULIDAE</b>
<i>Corbula (C.) rugosella</i> Glibert & Van de Poel, 1966; Glibert & Van de Poel, 1971: pl.3, fig.5; [ <i>C.rugosa</i> ] non Lam. Lowry et al., 1866: pl.2
<i>Corbula (C.) brabantica</i> Vincent, 1922: 100, figs 11-12; Glibert, 1985: pl.4, fig.1; <b>Pl.2, figs 21, 22</b>
<i>Corbula (C.) cf. rugosa</i> (Lamarck, 1806); cf. C. & P.1: pl.3, 20-17
<i>Bicorbula gallica</i> (Lamarck, 1806); C. & C. pl.14, figs 16-18; B. & B. pl.3, fig.5; [ <i>Corbula</i> ] Dixon: pl.2, fig.11; [ <i>Aloidis</i> ] Glibert 1936: pl.7, fig.6
<i>Varicorbula cf. wemmelensis</i> (Vincent, 1922); [ <i>Corbula</i> ] Vincent, 1922: 99, figs 8-10; <b>Pl.2, figs 18-20</b>
<i>Caryocorbula striatina</i> (Deshayes, 1857); [ <i>Corbula</i> ] C. & P.1: pl.3, 20-13
<i>Caryocorbula pixidicula</i> (Deshayes, 1857); [ <i>Corbula</i> ] C. & P.1: pl.3, 20-14; [ <i>Aloidis</i> ] Glibert, 1936: pl.7, fig.4
<i>Caryocorbula plicata</i> (Wrigley, 1925); C. & C. pl.14, figs 7-9
<i>Caestocorbula (C.) aff. costata</i> (J. Sowerby, 1818)*
<i>Caestocorbula (Ficusocorbula) ficus</i> (Solander in Brander, 1766); [ <i>Aloidis</i> ] Glibert 1936: pl.7, fig.3; [ <i>Corbula</i> ] C. & C. pl.14, fig.15
<b>GASTROCHAENIDAE</b>
<i>Gastrochaena (G.) ampullaria</i> (Lamarck, 1806); [ <i>Gastrochoena</i> ] C. & P.1: pl.1, 3-4; [ <i>G. corallium</i> J. de C. Sowerby, 1850] Dixon: pl.2, fig.27
<i>Gastrochaena (G.) bipartita</i> (Watelet, 1853); [ <i>Gastrochoena</i> ] C. & P.1: pl.1, 3-3
<b>HIALELLIDAE</b>
<i>Panopea intermedia</i> (J. Sowerby, 1814); C. & C. pl.16, fig.5; B. & B. pl.3, fig.8; [ <i>Panopaea corrugata</i> ] Dixon: pl.2, fig.12
<b>PHOLADIDAE</b>
<i>Cyrtopleura levesquei</i> (Watelet, 1851); [ <i>Barnea</i> ] C. & P.1: pl.1, 7-1; [ <i>B. cingulata</i> ] Stinton, 1963: pl.8, fig.6; [ <i>Pholas orbigniana</i> ] Levesque nom.nud.
<b>TEREDINIDAE</b>
<i>Teredo (Nausitora) sp. *</i> [pallets]
<i>Bankia</i> sp. * [pallets & tubes]
teredinid spp. indet. [valves & tubes]
<b>LYONSIIDAE</b>
<i>Neaeroporomya argentea</i> (Lamarck, 1806); C. & P.1: pl.4, 26-1; Glibert 1936: 201, fig.71
<b>THRACIDAE</b>
<i>Thracia sulcata</i> J. de C. Sowerby, 1844; Glibert 1936: pl.7, fig.9
<i>Thracia</i> sp. *
<b>CLAVAGELLIDAE</b>
<i>Clavagella (Stirpulina) coronata</i> Deshayes, 1824; Dixon: pl.2, figs 17,19; C. & P.1: pl.1, 1-2
<b>PANDORIDAE</b>
<i>Pandora (Pandorella) defrancii</i> Deshayes, 1824; C. & P.1: pl.4, 23-1
<b>CUSPIDARIIDAE</b>
<i>Cuspidaria</i> sp. *; [ <i>Neaera filigera</i> ] Newton, 1891 nom.nud.
<i>Cardiomya</i> sp. *; [ <i>Neaera callista</i> ] Newton, 1891 nom.nud.
<b>VERTICORDIIDAE</b>
<i>Verticordia parisiensis</i> Deshayes, 1856; C. & P.1: pl.20, 75-1
<b>Scaphopoda</b>
<b>DENTALIIDAE</b>
<i>Antalis cf. pseudoantalis</i> (Lamarck, 1818); cf. [ <i>Dentalium</i> ] C. & P.2: pl.1, 1-11; [ <i>D. striatum, D. acuticosta</i> ] Dixon: pl.7, figs 1,3a,16; B. & B. pl.1, fig.7



<b>FUSTIARIIDAE</b>
<i>Fustiaria (F.) subeburnea</i> (d'Orbigny, 1850); [ <i>Dentalium (F.)</i> ] C.& P.2: pl.1, 1-20; [ <i>F. circinata</i> ] non G. B. Sby, Newton, 1891
<i>Fustiaria (Pseudantalalis) cf. fissura</i> (Lamarck, 1818); cf. [ <i>Dentalium (F.)</i> ] C.& P.2: pl.1, 1-17
<i>Fustiaria (Pseudantalalis) cf. lucida</i> (Deshayes, 1861); [ <i>Dentalium nitens</i> ] non J. Sowerby. Dixon: pl.7, fig.3
<i>Fustiaria (Pseudantalalis) ? sp.</i>
<b>GADILINIDAE</b>
<i>Lobantale duplex</i> (Defrance, 1819); C.& P.2: pl.1, 1-6
<i>Episiphon</i> ? sp. [ <i>Dentalium</i> sp.] Gilbert 1938:155
<b>SIPHONODENTALIIDAE</b>
<i>Siphonodentalium aff. nitidum</i> (Deshayes, 1861) *
<b>Cephalopoda</b>
<b>HERCOGLOSSIDAE</b>
<i>Cimomia</i> cf. <i>imperialis</i> (J. Sowerby, 1812); C.& C. pl.28, fig.12
<b>ATURIIDAE</b>
<i>Aturia ziczac</i> (J. Sowerby, 1812); [ <i>Nautilus</i> ] Dixon: pl.8, fig.19
<b>VASSEURIIDAE</b>
<i>Vasseuria occidentalis</i> Munier-Chalmas, 1880; Curry, 1955: 114, figs 1-5; <b>PI.3, figs 25, 26</b>
<b>BELOPTERIDAE</b>
<i>Beloptera belemnoides</i> de Blainville, 1825; [ <i>B. belemnitoidea</i> ] Dixon pl.9, fig.18; C.& P.2: pl.61, 3-1
<b>SEPIIDAE</b>
<i>Belosaepia sepioides</i> (de Blainville, 1825); C.& C. pl.28, fig.7; [ <i>Belosepia</i> ] C.& P.2: pl.60, 2-1 (Céphalopodes)

	E. Selsey			Bracklesham Bay								
	SL1	SL2	SL3	S1	S2	F11	S4ii	S4iii	S5	S6	S7	S8
<b>FUSTIARIIDAE</b>												
<i>Fustiaria subeburnea</i> (d'Orbigny)									●	●		
<i>F. cf. fissura</i> (Lamarck)						•		●	●			
<i>F. cf. lucida</i> (Deshayes)								•				
<i>F. sp.</i>	●											
<b>GADILINIDAE</b>												
<i>Lobantale duplex</i> (Defrance)	●											
<i>Episiphon</i> ? sp.									●	●		
<b>SIPHONODENTALIIDAE</b>												
<i>Siphonodentalium aff. nitidum</i> (Deshayes) *	●			•	●		●	●	●	●	●	●
<b>Cephalopoda</b>												
<b>HERCOGLOSSIDAE</b>												
<i>Cimomia cf. imperialis</i> (J. Sowerby)								●	●		●	●
<b>ATURIIDAE</b>												
<i>Aturia ziczac</i> (J. Sowerby)											•	
<b>VASSEURIIDAE</b>												
<i>Vasseuria occidentalis</i> Munier-Chalmas									●	●	●	
<b>BELOPTERIDAE</b>												
<i>Beloptera belemnoidea</i> de Blainville									●	●		
<b>SEPIIIDAE</b>												
<i>Belosaepia sepioidea</i> (de Blainville)								•	●	●	●	●