



# Gulf of Mexico

## Origin, Waters, and Biota

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# 33

## Gastropoda (Mollusca) of the Gulf of Mexico

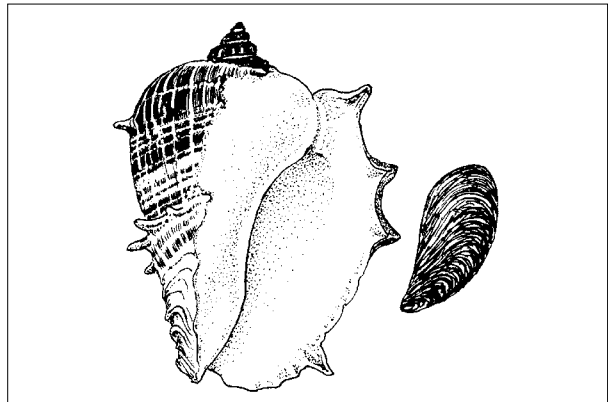
*Gary Rosenberg, Fabio Moretzsohn, and Emilio F. García*

Gastropoda is the most species-rich molluscan class, inhabiting a vast array of habitats in the ocean, fresh-water, and on land. Familiar representatives include snails, conchs, whelks, abalones, limpets, and slugs. They have diverse feeding mechanisms, including herbivory, detritivory, generalized grazing, suspension feeding, scavenging, endo- and ectoparasitism, and carnivory. Most species are benthic, but a number are entirely pelagic.

Surprisingly, there has not been a previous attempt to document the diversity of all living marine gastropods in the Gulf of Mexico. Prior works have been restricted either taxonomically or geographically. Rehder (1954), in his chapter in *Fisheries Bulletin* 89, the predecessor to the volume in which this chapter appears, gave a good summary of the literature (which will not be repeated here), but listed only some of the better-known and characteristic species of the Gulf.

The most comprehensive listing of Gulf species hitherto is more than 100 years old. Dall (1889b) gave Gulf localities for 704 gastropod species in his catalog of mollusks of the southeastern United States, including those named in the *Blake Report* (Dall 1889a), which remains the basis for modern knowledge of the deep-water fauna of the Gulf of Mexico. Maury (1922) tallied 520 Gulf gastropod species, but excluded the littoral fauna of the Florida Keys and Mexico. Her list is largely derived from Dall's. Neither Dall nor Maury included nudibranchs or other shell-less gastropods. In contrast, 1742 Gulf gastropod species are reported herein, a 250% increase from 1889.

Knowledge of the mollusks of the Gulf of Mexico has



Gastropoda. After Leal 2002.

expanded greatly since Rehder's (1954) summary. The discovery in the northern Gulf of offshore banks and reefs such as the Flower Garden Banks (Lipka 1974) and the Florida Middle Grounds (Hopkins, Blizzard, and Gilbert 1977) has revealed previously unknown communities with tropical affinities. Exploration for petroleum and other natural resources in deeper waters required ecological delineation of those regions, resulting in important faunal studies by Pequegnat et al. (1976) and Pequegnat (1983) that are often overlooked by systematists. Discovery of hydrocarbon seeps in the northern Gulf revealed novel taxa, such as the new family Provannidae, including *Provanna admetoides* and *P. sculpta* Warén and Ponder, 1991, and other species placed in newly described genera, including *Cataegis meroglypta* McLean and Quinn, 1987,

*Bathynnerita naticoides* Clarke, 1989, and *Paralepetopsis floridensis* McLean, 1990.

Most research in the southern Gulf has focused on the shallow-water fauna. The most important work is that of Vokes and Vokes (1983), on mollusks of the Yucatán Peninsula. Other noteworthy contributions are Rice and Kornicker (1962, 1965) and studies of the Mexican fauna by García-Cubas (1963, 1970, 1971, 1982), García-Cubas et al. (1990), García-Cubas, Reguero, and Elizarrarás (1992), García-Cubas, Reguero, and Jácome (1994), and Reguero, García-Cubas, and Zúñiga (1991). Research on the Cuban fauna has also accelerated in recent years with the founding of the journal *Avicennia*, in which descriptions of many new species have been published by Cuban and Spanish authors (e.g., Espinosa et al. 2006).

The current list grew from an integration of 3 basic lists maintained by the coauthors: (a) Gulf of Mexico records compiled by Rosenberg, primarily from journal articles and books, as part of his Malacolog database (Rosenberg 1993, 2008); (b) a list of Gulf records started by Roe Davenport (now deceased) and expanded by Moretzsohn, encompassing unpublished theses, industry and survey reports, newsletters, and other gray literature, in addition to standard sources such as Andrews (1977); and (c) a list of specimen records compiled by García, based mainly on dredging expeditions in various parts of the Gulf on R/V *Pelican*, a research vessel owned by the Louisiana Universities Marine Consortium. Some of the molluscan results of the *Pelican* expeditions have been previously reported, including newly described species (García 1999b, 2005c, 2006a, b) and many new records for the Gulf (García 1999a, 2000, 2002a–c, 2005a, b, 2007, García and Lee 2002, 2003, 2004).

We document a total of 1742 gastropod species from the Gulf of Mexico. Of these, 1503 are in the Gulf of Mexico proper and 239 are listed by virtue of occurrence in northwest Cuba, Florida Strait, or Yucatán Strait. Among the listed species, 221 (13%) are endemic to the Gulf of Mexico. Of these, 148 (10%) are endemic to the Gulf proper, 62 species are endemic to northwest Cuba, and 11 are found in the Gulf proper and in NW Cuba. Another 13 species are known only from their type localities in Florida Strait or Yucatán Strait, but with collecting data lacking sufficient precision to determine if they fall within the project boundaries; these are indicated in the endnotes and have been counted as part of the Gulf fauna, but not as endemics. Species-level diversity and endemism by superfamily and higher-level taxa is given in the taxonomic summary.

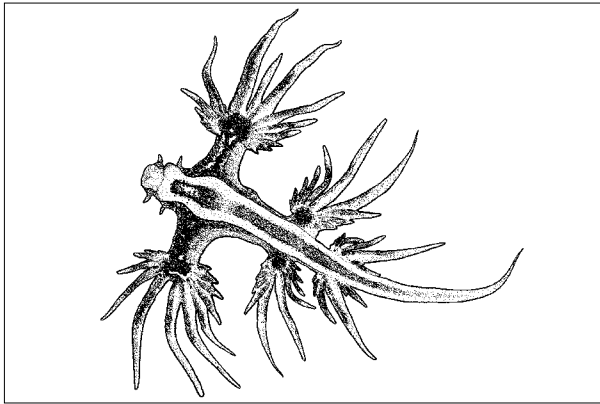
We report 174 new geographic records for the Gulf of Mexico, distributed among the quadrants as follows: southeast, 9; northeast, 32; northwest, 27; and southwest 106. Of these, 12 are new records for the Gulf: *Diodora arcuata*, *Barleeia tincta*, *Phenacovolva piragua*, *Polygireulima amblytera*, *Attiliosa bessei*, *Granulina tinolia*, *Conus attenuatus*, *Lioglyphostoma aguadillanum*, *Drillia wolfei*, *Daphnella cubana*, *Eucyclotoma cingulata*, and *Aplysia juliana*. Details for each new record are given in the endnotes. Total species diversity by quadrant, with number of endemics to the quadrant in parentheses, is southeast, 1333 (107); northeast, 984 (28); northwest, 765 (19); and southwest 674 (6). There are 344 species that occur in all 4 quadrants, including 27 pelagic species assumed to occur widely, but having patchy distribution records.

Eighteen species are rejected from the Gulf fauna, as detailed in the endnotes: *Scurriopsis hennocquii*, *Lepetopsis levettei* (Patellogastropoda), *Skeneopsis planorbis* (Skeneopsidae), *Turritella variegata* (Turritellidae), "*Aclis*" *lata* (Eulimidae), *Retilaskeya emersonii* (Cerithiopsidae), *Ilyanassa obsoleta* (Nassariidae), *Cystiscus microgonia* (Cystiscidae), *Vexillum josefinae* (Costellariidae), *Prunum pellucidum*, *P. storeria* (Marginellidae), *Terebra rushii*, *T. doellojuradoi* (Terebridae), *Philine flexuosa* (Philineidae), *Haminoea petittii* (Haminoeidae), *Tornatina eburnea* (Cyllichnidae), *Myosotella myosotis* (Ellobiidae), and *Trigonostoma rugosum* (Cancellariidae). Some of these yet may be found to occur in the Gulf, but evidence is currently lacking.

The following nomenclatural and taxonomic changes are made, as detailed in the endnotes. *Stramonita canaliculata* (Muricidae) is recognized as a full species rather than a subspecies of *S. haemostoma*, and *Terebra limatula* (Terebridae) is reinstated as a full species. In Ovulidae, *Pseudosimnia sphoni* is synonymized with *P. vanhyningi* and *Simnialena marferula* with *S. uniplicata*. In Volutidae, *Scaphella worki* is synonymized with *S. marionae*, which is probably a synonym of *S. robusta*. In Turridae, *Pleurotomella detecta* (Dall, 1881) and *Pilsbryspira albomaculata* (d'Orbigny, 1847), being preoccupied, are replaced with the next available names, *Pleurotomella circumvoluta* (Watson, 1881) and *Pilsbryspira nodata* (C. B. Adams, 1850). *Pseudocypoma abbotti* is introduced as a new combination; it was formerly placed in *Aperiovula*.

## Interpreting the Literature

A number of methodological issues arose in sieving through the literature for records from the Gulf of Mex-



Gastropoda. Drawing by F. Moretzsohn.

ico. Many records are not illustrated, nor backed by voucher specimens, so they are difficult to verify. Much information on distribution of species and range extensions is in nonpeer-reviewed “gray” literature such as agency reports, newsletters, theses and dissertations, and websites. In their studies of mollusks of the Florida Keys, Mikkelsen and Bieler (2000, 2004) found that if they had excluded gray literature sources as less reliable or verifiable, it would have decreased faunal coverage from 73% to 44% of the species known from all sources (including museum records and their own sampling). Also, many taxa have never been subjected to rigorous study, and the names applied to them may in some cases be little more than polite fictions. In an era in which molecular techniques are showing that species-level distinctions often correspond to the finest level of morphological discrimination that can be made, many entities today considered to be species may turn out to be species complexes (Jackson and Cheetham 1990, Meyer, Geller, and Paulay 2005).

We have therefore taken an approach of regarding reports of species as hypotheses that can be corroborated or falsified. Our goals were to produce a list that (a) is as complete as possible for named species, based on synthesis of the literature, (b) gives the current name for each species, integrated into a modern systematic framework, and (c) provides a lower bound on known diversity of gastropods in the Gulf of Mexico. We have excluded any tentatively identified (cf.) or unidentified species mentioned in the literature, to avoid double-counting species.

When species occurrences have been reported independently by more than one author, they have been accepted as corroborated unless subsequently challenged. In some cases, searches of museum collections and their online databases have provided corroboration of Gulf

occurrences. We indicate such specimen records as appropriate in the endnotes, but have not searched museum collections extensively to find previously unreported species. Minor range extensions that place a species in the Gulf—for example, from East Florida to the Florida Keys—have generally been accepted without corroboration. Larger range extensions have merited more scrutiny, with many criteria being evaluated, among them biogeographic plausibility, how well sampled a species is throughout its range, its likely modes of dispersal, the availability of appropriate substrate, the difficulty of identification, and the track record of the author. A few examples illustrate these considerations.

- (a) Dall (1889b) reported *Myosotella myosotis* (Draparnaud, 1801) from West Florida. Maury (1922) repeated Dall’s record, but no other independent records from the Gulf are known. Four years earlier, Dall (1885) did not report a Gulf record in a detailed treatment of the species. Martin (1996), in a species-level revision of the Western Atlantic Ellobiidae, reported the southernmost range of *M. myosotis* as Georgia and rejected records from the tropics. The species is native to the northeastern Atlantic, and is known to have been introduced in the Eastern Pacific; Western Atlantic records might also represent early introduction with subsequent spread. Because Dall in general is a reliable source, the West Florida record could be accepted as an introduction that subsequently died out. Or it could be a lapsus, perhaps just a checkmark in the wrong column in Dall’s catalog. Because the species is easily sampled in its intertidal to supratidal habitat and no voucher specimens from the Gulf are known to exist, the species was rejected as a member of the Gulf fauna.

Many other species in Dall (1889b) are subject to similar confusion, as noted by Rehder (1954). In his introduction, Dall stated that his column for the Florida Keys referred to the region from south of Biscayne Bay (East Florida) to Charlotte Harbor (West Florida), a much larger region than the Keys proper. His column for West Florida extended to the Texas border, and his column for Texas included records through to the Yucatán Strait. Subsequent authors such as Maury (1922) and Johnson (1934) have erroneously reported species from the Florida Keys and Texas on the



basis of Dall's misleading headings. Many of Johnson's (1934) records were propagated into the lists of lesser-known species in Abbott (1974). Some of these erroneous records are corrected in the endnotes herein.

- (b) Vokes and Vokes (1983), on mollusks of the Yucatán Peninsula, used a tabular format to report species occurrences by region, with 2 columns (V and VII) straddling the border of the Gulf of Mexico, being partially in the Caribbean part of Quintana Roo. This made it difficult to judge for some species if they occur in the Gulf of Mexico. The Vokes' collections were transferred from Tulane University to the Florida Museum of Natural History during the 1990s. The malacology collection database there is available online, which has allowed resolution of some of these questions. Another problem with the Vokes' work is that the illustrated specimens are not necessarily from Yucatán, so in cases where identities are in doubt, the specimens must be consulted directly.
- (c) Treece (1980) reported from off Yucatán 2 species of Mesozoic and Paleozoic limpets: *Scurriopsis hennocquii* Terquem, 1855, described from the Lower Jurassic of France, and *Lepetopsis levettei* White, 1882, described from the Mississippian of Alabama. Such implausible identifications suggest lack of rigor in applying names to specimens; therefore, all records in Treece (1979, 1980) have been rejected. One of the fossil species he reported off Yucatán, *Cosmotriphora dupliniana* Olsson, 1916, from the Pliocene Duplin formation of North Carolina, has subsequently been confirmed from the Gulf off Louisiana (by García 2002a), but the Yucatán record is still rejected pending examination of Treece's material, if it can be located.
- (d) Odé (1989a) reported *Niso lomana* Bartsch, 1917, in the NW Gulf, but the species is otherwise known only from the Eastern Pacific. Because Odé specialized for many years on the fauna of the Gulf and compiled lists of known taxa relevant to the region (e.g., Odé 1996), his inability to match his material with a known Western Atlantic species is significant. Odé worked on collections housed at the Houston Museum of Natural Science, so his material is available for study. We have therefore accepted his reports of *Niso lomana* and several other Eastern Pacific species in the Gulf of

Mexico as testable hypotheses, and included the species on our list, as they are unlikely to already be listed under other names.

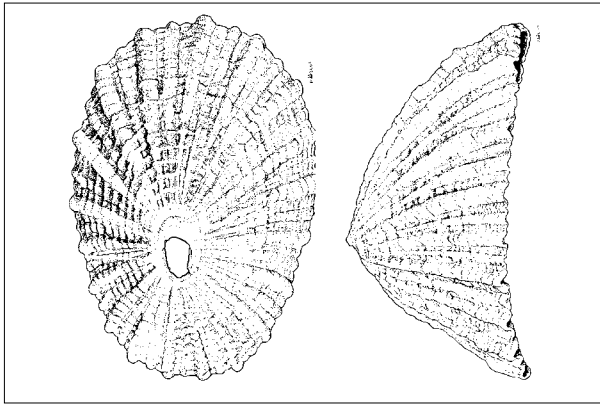
- (e) Pequegnat (1983) reported a number of species in deep water in the northern Gulf of Mexico that are otherwise known only from the Eastern Atlantic, and other species not previously known from the Gulf. New records for the Western Atlantic are *Costaclis mizon* (Eulimidae), *Famelica mirmidina* (Turridae), *Relichna simplex* (Retusidae), and *Scaphander mundus* (Cylichnidae). In his methods (pp. 16, 17), Pequegnat stated that identification of gastropods was done by Philippe Bouchet and Anders Warén and that material was deposited at the Museum national d'Histoire naturelle (confirmed by P. Bouchet, pers. comm. to GR, 3 April 2007). Because the material was identified by recognized authorities on deep-sea mollusks, and is available for study, we have accepted the new records from this often overlooked publication. (It is available online as item ESS-1983-22 at [http://www.gomr.mms.gov/homepg/regulate/envIRON/techsumm/rec\\_pubs.html](http://www.gomr.mms.gov/homepg/regulate/envIRON/techsumm/rec_pubs.html)).

Space does not permit most such decisions made for this list to be documented in such detail. Instead, species rejected from the list are noted in endnotes for the relevant family. Some of these may ultimately prove to be part of the Gulf fauna, but currently there is insufficient evidence to include them.

### Species versus Subspecies

Most authors do not define what they mean by subspecies or species. We have found only one instance for the Gulf where an author has defined a subspecies in a modern way. Quinn (1979), in naming *Microgaza rotella inornata*, distinguished it from *M. rotella rotella* on the basis of shell characters, but noted that they intergraded morphologically along the border of their geographic ranges so that not all individuals could be assigned to one taxon or the other. This might also be interpreted as a hybrid zone between 2 distinct species, but in the absence of genetic evidence for that, we retain Quinn's usage.

In the literature on mollusks, the term subspecies has often been used for sympatric variants, where the variants were not thought to be different enough to warrant specific rank. Because there is not a geographic component to the variation, we have treated these putative subspe-



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cies as either synonyms, if there was little evidence that they were diagnosably different, or as full species, if there was clear evidence for diagnosability (either morphological or genetic). In one instance, we have newly elevated a taxon to species rank (*Stramonita canaliculata*, Muricidae; see the endnote for that species). In other cases, we have chosen prior species-level classifications over subspecific ones. For an example, see the endnotes for *Busycon perversum*, *B. sinistrum*, and *B. pulleyi* (Melongenidae). Other than *Microgaza rotella inornata*, mentioned previously, we have recognized subspecies only in the Tonnoidea, where it happens in all 3 cases (*Bursa raneloides tenuisculpta*, *B. rhodostoma thomae*, and *Distorsio constricta mcgintyi*) that the nominotypical subspecies occurs in a different ocean basin.

### Patterns of Diversity

The 1742 species of gastropods documented from the Gulf of Mexico represent 45% of the species known in the tropical and subtropical Western Atlantic (35°N to 35°S;  $n = 3846$ , query of Malacolog), or about 39% (1503/3846) if Cuba is excluded. About 10% (148/1503) of the gastropod fauna of the Gulf proper is endemic. Endemism increases to 13% (221/1742) when the fauna of Cuba is added, but this may be artificially high, as 72% (46/62) of the endemics to northwest Cuba were named in the last 20 years (1987–2007), whereas only 30% (45/148) of the endemics to the Gulf proper were named during that period. The geographic ranges of newly named species are not well known, so some of these species will prove not to be endemic as knowledge of their ranges increases, and others may prove to be synonyms of more widely distributed species.

Endemism in the Gulf has a taxonomic pattern, with 21% (131/632) of neogastropods but only 4% (8/220)

of opisthobranchs and 8% of lower caenogastropods (41/526) and vetigastropods (16/195) being endemic. The highest diversity groups of gastropods in the Gulf of Mexico are the Turridae, 191 species (11% of the fauna); Muricidae, 91 species (5%); Pyramidellidae, 81 species (5%), Marginellidae, 65 species (4%) and Epitoniidae, 56 species (3%). Turridae being the highest diversity is not unusual; it comprises 12% of the gastropod faunas of the New Caledonian (263/2187) (Bouchet et al. 2002), the tropical Eastern Pacific (303/2439) (Keen 1971), and Brazil (127/1104) (Rios 1994). Muricidae, Pyramidellidae, and Epitoniidae have relatively high diversity in all of these faunas, but Marginellidae are much more diverse in Atlantic and Eastern Pacific faunas; Bouchet et al. (2002) report only 6 species from New Caledonia (although several more have subsequently been described). This may be a genuine biogeographic difference in diversity, but some apparent differences may be artifacts of methods. For example, Bouchet et al. listed Cerithiopsidae (4.5% of the fauna), Triphoridae (8%), and Eulimidae (6%) in the top 5 most diverse families for New Caledonia, but these families all account for less than 2.5% of the diversity of the Gulf of Mexico. The difference may be that Bouchet et al. counted morphospecies, named or not, whereas we have counted only named species. In groups such as Cerithiopsidae, Triphoridae, and Eulimidae with many species of maximum size smaller than 5 mm, many species are likely to be undescribed, which affects perceptions of diversity.

The fauna of the Gulf is by no means uniform, with only 20% (344/1742) of the species known from all 4 quadrants. Not surprisingly, the southeast quadrant is most diverse, with 1333 species recorded. It contains 4 distinct areas, each of which has been sampled relatively intensively: the Florida Keys (including the Dry Tortugas), deeper waters of the Florida Strait, northwest Cuba, and the northeast Yucatán Peninsula. Next highest in diversity is the northeast quadrant, with 984 species, then northwest with 765, and southwest with 674. The relative diversities of the southeast, northeast, and northwest quadrants are probably fairly representative, because the northwest quadrant lacks shallow reef areas and is most distant from Caribbean sources of colonization by planktonic larvae. The southwest quadrant seems undersampled relative to the other quadrants, given that it is largely within the tropics, where diversity is expected to be higher and has a considerable area of coral reefs. It has only half the known diversity of the southeast quadrant (674/1333), with only 6 endemics reported (5 named in 2006), versus at least 19 species endemic to each of the other quadrants. Of the

new quadrant records reported herein, 106 (61%) are in the southwest and of these, 99 resulted from a single collecting trip by the R/V *Pelican* in June 2005, which thus increased the known diversity by 17% (from 575 to 674 species). In contrast, a more intensive multiyear survey of the Florida Keys (Mikkelsen and Bieler 2000, 2004, Bieler and Mikkelsen 2004) increased the known bivalve fauna by only 7% (from 362 to 389 species).

Knowledge of the Gulf fauna is still growing rapidly, with 12% (204) of the listed species having been named in the last 20 years. Also, some taxa known from regions bordering the Gulf are likely to be found within the Gulf; for example, species reported by Ekdale (1974) and Vokes and Vokes (1983) from the Caribbean portion of Quintana Roo, and by Espinosa et al. (2006) from the Guanahacabibes Peninsula of westernmost Pinar del Rio, Cuba. (Species treated in this latter publication were not included on our checklist unless it was clear that they occurred north of Cabo San Antonio; the south coast of Pinar del Rio is outside the Gulf of Mexico.)

A variety of research vessels have operated at various times in parts of the Gulf, including the *Blake*, *Eolis*, *Oregon*, *Silver Stream*, *Combat*, *Pillsbury*, *Gerda*, *Alaminos*, and *Pelican*. These expeditions resulted in massive collections (as described by Bieler and Mikkelsen 2002 for the *Eolis*), from which only a small portion of the diversity has yet been analyzed and described. Pequegnat (1983, 158) noted limitations of his deep-water sampling in that “small species could pass through the 6.4-mm mesh of the skimmer and the 20-m trawl.” Another sampling artifact of these expeditions has been focus on techniques such as dredging and trawling, which work best on soft bottoms. A better way to sample hard substrates is by scuba diving, but little organized collecting has been done by scuba in the Gulf, particularly in the Mexican portion. This may affect sampling of a variety of groups, for example, shell-less opisthobranchs.

As existing museum collections are studied and better sampling protocols are put into effect in the Gulf of Mexico, giving better coverage by size, habitat, geography, and depth, known diversity will continue to climb. It would not be surprising to see it eventually reach 3000 species of gastropods, or even beyond.

## Conventions

*Higher classification* We follow Bouchet and Rocroi (2005) for the names of taxa above the genus level and

Bouchet et al. (2005) for the hierarchy and order of the classification. In a few places where their classification is speculative, we favor more traditional arrangements (e.g., see the endnotes for “Volutacea” and Conoidea). We use relatively few hierarchical levels, primarily subclass, order, superfamily, and family. Subfamilies are used only in a few large groups, namely Muricidae, Turridae, and Pyramidellidae. Below the superfamily level arrangement of taxa is alphabetical. At higher levels arrangement can be alphabetic, phylogenetic, or pragmatic, whichever we judged most likely to be useful to the reader. By pragmatic we mean keeping together groups that are phenetically similar where this does not do violence to the phylogenetic classification. For example, within Vetigastropoda, Bouchet et al. (2005) put the superfamilies in alphabetic order because the classification is not well resolved; we instead put vetigastropod limpets first, so that they follow the patellogastropod limpets.

*Habitat-Biology* The codes used for Habitat-Biology are explained under Abbreviations below. Because this field has room for only 4 codes, the coding could not be comprehensive because there were often more than 4 codes that applied to a species. Feeding biology is taken mainly from Beesley, Ross, and Wells (1998), Boss (1982) and Valdés et al. (2006) and has been coded at the level of families or higher taxa, except for taxa known to have more than one feeding mode. For example, all neogastropods were coded as carnivores, except columbellids, some of which are known to be herbivores. In such cases, coding was at the species level, where known.

*Synonyms* In a few cases new synonymies are introduced in the endnotes. These are explicitly flagged as new; all other synonymies mentioned therein are taken from the literature. We have not attempted to document all synonymies that apply to the fauna, but rather have focused on names used by the authors of the references cited for a given species or otherwise likely to be encountered by the user. Type localities are given for synonyms only if the locality is in the Gulf. Full synonymies for each species may be found online in Rosenberg (2008).

*Depths* The bathymetric ranges given represent depths reported for the species throughout their geographic ranges, not just in the Gulf of Mexico. The depths generally combine data for live- and dead-collected specimens; live-collected records are given separately in Rosenberg (2008). If the depth range gives the deeper depth first (e.g., 10–0 m instead of 0–10 m) it means that the species was found at some unknown point within that range, per-

haps in an extended dredge haul, rather than having been recorded at the endpoints (see Rosenberg 1993).

*Quadrants and Sectors* As a general convention of these volumes, the Gulf of Mexico is divided into NE, NW, SW, and SE quadrants, with 25°N and 90°W as the boundaries, following Pequegnat and Pequegnat (1970). A map is given in figure 1 in Chapter 1 of this volume. These quadrants are useful for quick summaries of distribution, but are not meaningful biogeographically. The SE quadrant includes most of the Florida Keys, NW Cuba, and part of the Yucatán Peninsula, which might be regarded as 3 separate faunal regions. The NE quadrant at first would seem to correspond to the largely terrigenous continental areas from Florida to Louisiana, but also includes the carbonate areas of the northernmost Florida Keys.

In a few cases for endemic species with restricted distributions within the Gulf of Mexico, we have listed sectors within the quadrants (e.g., nnw or wnw within nw) to give a better sense of the distribution. For species known from all 4 quadrants we report “entire,” or “[entire]” in the case of pelagic species known to occur in the Gulf, but not yet reported explicitly in each quadrant.

## Abbreviations

*General:* ANSP = Academy of Natural Sciences of Philadelphia, Philadelphia, Pennsylvania; EFG = Emilio F. García or his collection; FLMNH = Florida Museum of Natural History, Gainesville, Florida; FM = Fabio Moretzsohn; FMNH = Field Museum of Natural History, Chicago, Illinois; GR = Gary Rosenberg; HMNS.MAL = Houston Museum of Natural Sciences, Malacology collection, Houston, Texas; ICZN = International Commission on Zoological Nomenclature; ID = identification by; MNHN = Muséum national d’Histoire naturelle, Paris, France; NBI = National Benthic Inventory; R/V = research vessel; TAMU = Texas A&M University, Texas Cooperative Wildlife Collection, College Station, Texas; TAMUCC = Texas A&M University-Corpus Christi, Corpus Christi, Texas; USFC = U.S. Fish Commission; USNM = United States National Museum (Smithsonian Institution), Washington, D.C.

*Geographic:* Ant. = Antilles; Atl. = Atlantic; Camp. = Campeche; circumtr. = circumtropical; E. = East; EFL = East Florida; GMx = Gulf of Mexico; Ids. = Islands; Less. = Lesser; Mass. = Massachusetts; N. = North; NC = North Carolina; NE = Northeast; NJ = New Jersey; NW = Northwest; P. Rico = Puerto Rico; Pac = Pacific; S. = South; SE =

Southeast; Str. = Strait; SW = Southwest; Tort. = Tortugas; W. = West; WFL = West Florida.

*Habitat-Biology:* ben = benthic; car = carnivore (includes scavengers); crr = coral reef; det = detritivore; end = endemic solely to Gulf of Mexico; est = estuarine (used only for species that prefer brackish or freshwater); grz = grazer; hcs = hydrocarbon seep; her = herbivore; hsb = hard substrate; msp = mangrove swamp; nid = nonindigenous; ofb = offshore banks in northern GMx; orf = oyster reef; par = parasitic; plg = pelagic; rit = rocky intertidal; sft = soft substrates; sgr = seagrasses; smr = salt marsh; spf = suspension feeder; svg = submergent vegetation.

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are those of the authors and do not necessarily reflect the views of the National Science Foundation.

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## Taxonomic summary for gastropods of the Gulf of Mexico.

Taxon	Total species	Endemic species	Endemic to Gulf proper	Endemic to Cuba	Nonindigenous
<b>Patellogastropoda</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
Lottioidae	6	0	0	0	0
Neolepetopsoidea	1	1	1	0	0
<b>Vetigastropoda</b>	<b>195</b>	<b>16</b>	<b>9</b>	<b>6</b>	<b>0</b>
Lepetelloidea	1	0	0	0	0
Fissurelloidea	54	4	2	2	0
Haliotoidea	1	0	0	0	0
Pleurotomarioidea	3	0	0	0	0
Scissurelloidea	5	0	0	0	0
Seguenzioidea	25	0	0	0	0
Trochoidea	60	8	5	2	0
Turbinoidea	46	4	2	2	0
<b>Neritimorpha</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Neritoidea	17	0	0	0	0
<b>Caenogastropoda</b>	<b>1158</b>	<b>172</b>	<b>118</b>	<b>45</b>	<b>0</b>
<b>Lower Caenogastropoda</b>	<b>526</b>	<b>41</b>	<b>32</b>	<b>7</b>	<b>0</b>
Provannidae	2	2	2	0	0
Cerithioidea	35	4	3	0	0
Vermetoidea	10	0	0	0	0
Littorinoidea	14	0	0	0	0
Cingulopsoidea	1	0	0	0	0
Rissooidea	135	11	10	1	0
Stromboidea	6	0	0	0	0
Xenophoroidea	3	0	0	0	0
Calyptraeoidae	14	0	0	0	0
Vanikoroidea	16	3	2	1	0
Cypraeoidea	22	3	3	0	0
Velutinoidea	13	2	2	0	0
Naticoidea	25	0	0	0	0
Tonnoidea	47	0	0	0	0
Ficoidea	1	0	0	0	0
Pterotracheoidea	14	0	0	0	0
Epitonioidea	62	5	5	0	0
Eulimoidea	35	4	2	2	0
Triphoroidea	71	7	3	3	0
<b>Neogastropoda</b>	<b>632</b>	<b>131</b>	<b>86</b>	<b>38</b>	<b>0</b>
Muricoidea	91	11	10	0	0
Buccinoidea	129	24	21	1	0
“Volutacea”	158	50	16	32	0
Cancellarioidea	12	2	2	0	0
Conoidea	242	44	37	5	0
<b>Heterobranchia</b>	<b>365</b>	<b>32</b>	<b>20</b>	<b>11</b>	<b>3</b>
<b>Lower Heterobranchia</b>	<b>123</b>	<b>22</b>	<b>12</b>	<b>9</b>	<b>0</b>
Orbitestelloidea	1	0	0	0	0
Rissoelloidea	8	7	0	7	0
Valvatoidea	2	1	1	0	0
Architectonicoidea	17	0	0	0	0
Omalogyroidea	8	3	0	2	0
Pyramidelloidea	85	11	11	0	0
Ringiculoidea	2	0	0	0	0
<b>Opisthobranchia</b>	<b>220</b>	<b>8</b>	<b>6</b>	<b>2</b>	<b>3</b>
Acteonoidea	15	0	0	0	0
Bulloidea	4	0	0	0	0

(continued)

## Taxonomic summary for gastropods of the Gulf of Mexico. (continued)

Taxon	Total species	Endemic species	Endemic to Gulf proper	Endemic to Cuba	Nonindigenous
Haminoeidea	9	0	0	0	0
Philinoidea	34	2	2	0	0
Cylindrobulloidea	2	0	0	0	0
Cavolinioidea	25	0	0	0	0
Cymbulioidea	12	0	0	0	0
Clionoidea	1	0	0	0	0
Aplysioidea	13	0	0	0	0
Oxynooidea	5	0	0	0	0
Placobranchoidea	16	1	1	0	0
Limapontoidea	13	1	0	1	1
Umbraculoidea	2	0	0	0	0
Pleurobrancoidea	6	0	0	0	0
Doridoidea	22	3	3	0	1?
Phyllidioidea	5	0	0	0	0
Onchidoridoidea	2	1	0	1	1
Polyceroidea	9	0	0	0	0
Arminoidea	2	0	0	0	0
Tritonioidea	9	0	0	0	0
Aeolidioidea	14	0	0	0	0
<b>Pulmonata</b>	<b>22</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>
Ellobioidea	15	0	0	0	0
Siphonarioidea	3	0	0	0	0
Trimusculoidea	1	0	0	0	0
Onchidioidea	3	2	2	0	0
Total	1742	221	148	62	3

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico.

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Class: Gastropoda</b>					
<b>Subclass: Patellogastropoda</b>					
<b>Superfamily: Lottioidea</b>					
<b>Family: Lepetidae</b>					
<i>Propilidium lissocona</i> (Dall, 1927)	ben, det	115–538	Georgia to Florida Keys	se	187, 451
<b>Family: Lottiidae</b>					
<i>Lottia cubensis</i> (Reeve, 1855)	ben, grz, hsb, rit	0	Cuba to Virgin Islands; Panama	se	240
<i>Lottia jamaicensis</i> (Gmelin, 1791)	ben, grz, hsb, rit	0	Bahamas to Barbados	se, sw	472, 654, 799, 837
<i>Lottia leucopleura</i> (Gmelin, 1791)	ben, grz, hsb, rit	(1)–3	Bahamas to Venezuela	se, sw	22, 88, 240, 837
<i>Patelloida pustulata</i> (Helbling, 1779)	ben, grz, hsb, ofb	0–60	East Florida to Barbados; Bermuda	se, nw, sw	88, 278, 398, 577, 837 <sup>2</sup>
<i>Tectura antillarum</i> (Sowerby I, 1834)	ben, crr, hsb, sgr	0	East Florida to Trinidad	se, ne, sw	88, 283, 302, 734, 837
<b>Superfamily: Neolepetopsoidea</b>					
<b>Family: Neolepetopsidae</b>					
<i>Paralepetopsis floridensis</i> McLean, 1990	ben, end, grz, hcs	3270	West Florida	ene	448

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Subclass: Vetigastropoda</b>					
<b>Superfamily: Lepetelloidea</b>					
<b>Family: Lepetellidae</b>					
<i>Lepetella tubicola</i> Verrill & Smith, 1880	ben	238–710	New Jersey to Louisiana	nne	178
<b>Superfamily: Fissurelloidea</b>					
<b>Family: Fissurellidae</b>					
<i>Altrix trifolium</i> (Dall, 1881)	ben, her, hsb	256–1170	Yucatan Str. to Colombian Ids.	se	175, 584
<i>Cornisepta acuminata</i> (Watson, 1883)	ben, her, hsb	291–713	South Carolina to Puerto Rico	ne, sw	515, 584
<i>Cranopsis agger</i> (Watson, 1883)	ben, her, hsb	249–1966	Florida Keys to Puerto Rico	se	584
<i>Cranopsis antillana</i> (Pérez Farfante, 1947)	ben, her, hsb	370–720	Cuba to Brazil	se	584
<i>Cranopsis asturiana</i> (P. Fischer, 1882)	ben, her, hsb	183–2017	North Carolina to Less. Ant.; E. Atlantic	ese	178, 584
<i>Cranopsis billsae</i> (Pérez Farfante, 1947)	ben, her, hsb	110–320	Louisiana to Cuba	se, nw	515, 584
<i>Cranopsis erecta</i> (Dall, 1889)	ben, her, hsb	196–805	North Carolina to Florida Keys	se	584
<i>Cranopsis granulata</i> (Seguenza, 1862)	ben, her, hsb	150–1966	Florida Keys to Brazil	se	178, 584 <sup>3</sup>
<i>Diodora aguayoi</i> Pérez Farfante, 1943	ben, her, hsb	50–823	East Florida to Barbados; Bermuda	se	16, 582
<i>Diodora arcuata</i> (Dall, 1889)	ben, her, hsb	0–183	Florida to Brazil	ne	4
<i>Diodora bermudensis</i> (Dall & Bartsch, 1911)	ben, her, hsb	46	Bermuda to West Florida	ne	9
<i>Diodora cayenensis</i> (Lamarck, 1822)	ben, crr, her, hsb	0–143	New Jersey to Brazil	entire	23, 283, 582, 801, 837 <sup>5</sup>
<i>Diodora dysoni</i> (Reeve, 1850)	ben, her, hsb	0–40	East Florida to Brazil; Bermuda	se, ne, sw	88, 307, 582, 837
<i>Diodora fluviana</i> (Dall, 1889)	ben, her, hsb	38–1472	North Carolina to Brazil	entire	9, 178, 266, 582, 753 <sup>6</sup>
<i>Diodora fragilis</i> Pérez Farfante & Henríquez, 1947	ben, end, her, hsb		NW Cuba	ese	585
<i>Diodora jaumei</i> Aguayo & Rehder, 1936	ben, her, hsb	0–402	East Florida to Brazil	entire	278, 515, 582, 753, 837
<i>Diodora listeri</i> (d'Orbigny, 1847)	ben, crr, her, hsb	0–500	East Florida to Brazil; Bermuda	entire	104, 278, 283, 582, 837 <sup>7</sup>
<i>Diodora meta</i> (Ihering, 1927)	ben, her, hsb	0–110	East Florida to Brazil	entire	278, 464, 495, 515, 582
<i>Diodora minuta</i> (Lamarck, 1822)	ben, her, hsb	0–132	East Florida to Venezuela	se, ne, sw	88, 582, 655, 753, 837
<i>Diodora sarasuae</i> Espinosa, 1984	ben, her, hsb	20–25	Bahamas to Cuba	se	206
<i>Diodora sayi</i> (Dall, 1889)	ben, her, hsb	0–402	North Carolina to Brazil	entire	118, 266, 322, 515, 582 <sup>8</sup>
<i>Diodora tanneri</i> (A. E. Verrill, 1882)	ben, hcs, her, hsb	190–730	Delaware to Barbados	ne, nw	9, 167, 168
<i>Diodora variegata</i> (Sowerby II, 1862)	ben, crr, her, hsb	0–6	Bahamas to Virgin Ids.; Panama	se, sw	118, 753, 799
<i>Diodora viridula</i> (Lamarck, 1822)	ben, her, hsb, rit	0–208	East Florida to Venezuela	se, ne	240, 365, 582, 605, 753

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Diodora wetmorei</i> Pérez Farfante, 1945	ben, her, hsb	91–212	Florida Keys to Barbados	se	365, 583
<i>Emarginula dentigera</i> Heilprin, 1889	ben, her, hsb, rit	0–0.6	Bermuda to Florida Keys	se	789
<i>Emarginula phrixodes</i> Dall, 1927	ben, crr, her, hsb	0–1966	North Carolina to Barbados	entire	266, 515, 577, 584, 655
<i>Emarginula pumila</i> A. Adams, 1852	ben, crr, her, hsb	0–525	East Florida to Brazil; Bermuda	entire	31, 267, 307, 799, 837
<i>Emarginula sricula</i> Gray, 1825	ben, crr, her, hsb	27–256	East Florida to Barbados; E. Atlantic	se, ne, nw	266, 515, 577, 584, 653
<i>Emarginula tuberculosa</i> Libassi, 1859	ben, crr, her, hsb	10–1170	Georgia to Brazil; E. Atlantic	se, ne, nw	31, 266, 584, 801
<i>Fissurella angusta</i> (Gmelin, 1791)	ben, her, hsb	0–6	Bahamas to Guyana	se, sw	88, 240, 581, 753, 837
<i>Fissurella barbadensis</i> (Gmelin, 1791)	ben, her, hsb, rit	0–8	East Florida to Guyana; Bermuda	se, ne, sw	22, 574, 581, 799, 837
<i>Fissurella barbouri</i> Pérez Farfante, 1943	ben, her, hsb, rit	0	Bahamas to Tobago	se	581
<i>Fissurella fascicularis</i> Lamarck, 1822	ben, her, hsb, rit	0	East Florida to Lesser Antilles	se	240, 581, 837
<i>Fissurella nodosa</i> (Born, 1778)	ben, her, hsb, rit	0–1	Florida Keys to Trinidad	se	240, 581, 734, 837
<i>Fissurella rosea</i> (Gmelin, 1791)	ben, her, hsb	0–40	East Florida to Brazil	se, nw, sw	22, 191, 240, 278, 581
<i>Hemitoma emarginata</i> (Blainville, 1825)	ben, her, hsb	0–152	East Florida to Barbados	se, nw, sw	240, 251, 278, 654, 734 <sup>9</sup>
<i>Hemitoma octoradiata</i> (Gmelin, 1791)	ben, her, hsb	0–23	East Florida to Brazil	se, ne, sw	240, 307, 734, 837
<i>Laevinesta atlantica</i> (Pérez Farfante, 1947)	ben, her, hsb	55–238	East Florida to Brazil	ne, nw	251, 266, 515, 584, 653
<i>Lucapina adspersa</i> (Philippi, 1845)	ben, her, hsb	65–55	Louisiana to Lesser Antilles	nw	251, 266, 267
<i>Lucapina aegis</i> (Reeve, 1850)	ben, crr, her, msp	0–55	East Florida to Brazil	entire	31, 240, 266, 307, 515
<i>Lucapina colis</i> Pérez Farfante, 1945	ben, end, her, hsb	49–165	Florida Keys	ese	365, 583
<i>Lucapina philippiana</i> (Finlay, 1930)	ben, her, hsb	0–110	East Florida to Brazil	se, nw	278, 398, 515, 654
<i>Lucapina sowerbii</i> (Sowerby I, 1835)	ben, her, hsb	0–225	East Florida to Brazil	entire	31, 240, 577, 581, 837
<i>Lucapina suffusa</i> (Reeve, 1850)	ben, her, hsb	0–24	North Carolina to Brazil; Bermuda	se, ne, sw	118, 240, 307, 581, 837
<i>Lucapinella limatula</i> (Reeve, 1850)	ben, crr, her, hsb	0–146	North Carolina to Brazil; E. Atlantic	entire	23, 278, 283, 581, 837
<i>Profundisepta circularis</i> (Dall, 1881)	ben, her, hsb	538–1609	Georgia to Tobago	ne	175, 584
<i>Profundisepta sportella</i> (Watson, 1883)	ben, her, hsb	183–1097	Georgia to Puerto Rico	se	450, 584
<i>Rimula aequisculpta</i> Dall, 1927	ben, crr, her, hsb	22–243	East Florida to Barbados	entire	266, 515, 577, 584, 801 <sup>10</sup>
<i>Rimula dorriae</i> Pérez Farfante, 1947	ben, end, her, hsb	146–216	Florida Keys	ese	584
<i>Rimula frenulata</i> (Dall, 1889)	ben, crr, her, hsb	0–450	North Carolina to Brazil	entire	31, 178, 515, 584, 655
<i>Rimula pycnonema</i> Pilsbry, 1943	ben, her, hsb	15–265	East Florida to Barbados	se, ne	9, 584

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Zeidora bigelowi</i> Pérez Farfante, 1947	ben, crr, her, hsb	33–411	Louisiana to Honduras; Cuba	nw	266, 515, 577, 584, 801
<i>Zeidora neritica</i> Espinosa, Ortea, & Fernández-Garcés, 2005	ben, end	18	NW Cuba	ese	226
<b>Superfamily: Haliotoidea</b>					
<b>Family: Haliotidae</b>					
<i>Haliotis pourtalesii</i> Dall, 1881	ben, her, hsb	36–366	North Carolina to Venezuela	se, ne, nw	253, 295, 505, 756, 793
<b>Superfamily: Pleurotomarioidea</b>					
<b>Family: Pleurotomariidae</b>					
<i>Bayerotrochus midas</i> (F. M. Bayer, 1966)	ben, car, hsb	366–853	Georgia to Quintana Roo	se	24, 288
<i>Entemmotrochus adansonianus</i> (Crosse & Fischer, 1861)	ben, car, hsb	107–482	Bahamas to Brazil; Bermuda	se, nw	24, 44, 653, 798
<i>Perotrochus amabilis</i> (F. M. Bayer, 1963)	ben, car, hsb	100–411	Texas to Brazil	entire	24, 43, 205, 289, 767
<b>Superfamily: Scissurelloidea</b>					
<b>Family: Anatomidae</b>					
<i>Anatoma alta</i> (Watson, 1886)	ben, det, svg	20–1097	North Carolina to Puerto Rico	se, ne	<sup>11</sup> 28, 578 <sup>12</sup>
<i>Anatoma proxima</i> (Dall, 1927)	ben, det, svg	37–794	South Carolina to Texas	se, nw	9, 268, 495, 505
<b>Family: Scissurellidae</b>					
<i>Satondella tabulata</i> (Watson, 1886)	ben, crr, grz, ofb	35–713	Bahamas to Puerto Rico	nnw	852 <sup>13</sup>
<i>Sinezona confusa</i> Rolán & Luque, 1994	ben, grz, svg	0–56	East Florida to Brazil; Bermuda	se	678
<i>Sinezona redferni</i> Rolán, 1996	ben, crr, grz, ofb	10–56	Bahamas to Cuba	nnw, sw	668 <sup>14</sup>
<b>Superfamily: Seguenzioidea</b>					
<b>Family: Chilodontidae</b>					
<i>Calliotropis actinophora</i> (Dall, 1890a)	ben, det, sft	220–2276	East Florida to Brazil	se, ne	180, 264, 625
<i>Calliotropis aeglees</i> (Watson, 1879)	ben, det, sft	366–713	Bahamas to Puerto Rico	se	625
<i>Calliotropis calatha</i> (Dall, 1927)	ben, det, sft	247–3239	Georgia to Lesser Antilles	se, ne, nw	578, 625
<i>Calliotropis infundibulum</i> (Watson, 1879)	ben, det, sft	1242–3259	Massachusetts to Brazil	se, ne	178, 190, 578
<i>Calliotropis lissocona</i> (Dall, 1881)	ben, det, sft	415–587	Louisiana to Colombia	se, ne	175, 178, 625
<i>Calliotropis rhina</i> (Watson, 1886)	ben, det, sft	558–1719	NW Cuba to Lesser Antilles	se, ne	178, 625
<i>Cataegis meroglypta</i> McLean & Quinn, 1987	ben, det, hcs	528–1236	Louisiana to Barbados	ne, nw	167, 168, 264, 266, 848
<i>Dentistyla asperima</i> (Dall, 1881)	ben, grz	66–402	Florida Keys to Virgin Islands; Honduras	se	175, 625
<i>Dentistyla dentifera</i> (Dall, 1889)	ben, grz, hsb	70–311	North Carolina to Barbados	ne, sw	625 <sup>16</sup>
<i>Echinogurges clavatus</i> (Watson, 1879)	ben, grz	713–1609	Bahamas to Brazil	se, ne	578, 625
<i>Echinogurges tuberculatus</i> Quinn, 1991	ben, grz	695–1706	Georgia to Cuba	se	630
<i>Euchelus guttarosea</i> Dall, 1889	ben, grz	34–823	East Florida to Venezuela; Bermuda	se	178, 625
<i>Lischkeia imperialis</i> (Dall, 1881)	ben, det, grz	55–708	Quintana Roo to Lesser Antilles	se	45, 178, 625

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Mirachelus clinocnemus</i> Quinn, 1979	ben, grz	40–250	East Florida to Brazil	se, nw	268, 625
<i>Mirachelus corbis</i> (Dall, 1889)	ben, grz, ofb	75–1426	North Carolina to Barbados	se, ne, nw	178, 255, 578, 625, 801
<i>Vetulonia parajeffreysi</i> Absalão & Pimenta, 2005	ben, grz	732–1600	Yucatan Str. to Brazil	se	12 <sup>17</sup>
<b>Family: Seguenziidae</b>					
<i>Ancistrobasis costulata</i> (Watson, 1879)	ben, det, sft	27–1170	Georgia to Brazil	se	175, 178, 625
<i>Ancistrobasis depressa</i> (Dall, 1889)	ben, det	1170	Yucatan Strait	se	178, 627 <sup>18</sup>
<i>Basilissopsis rhyssa</i> (Dall, 1927)	ben, det, sft	538–1472	Georgia to Cuba	se	187, 625
<i>Carenzia carinata</i> (Jeffreys, 1877)	ben, det, sft	988–1706	Florida Str. to Brazil; E. Atlantic	se	627
<i>Carenzia trispinosa</i> (Watson, 1879)	ben, det, sft	684–2360	North Carolina to Brazil	se	627
<i>Fluxinella discula</i> (Dall, 1889)	ben, det, sft	305–1796	Bahamas to Lesser Antilles	se, nw	45, 520, 578, 625
<i>Hadroconus altus</i> (Watson, 1879)	ben, det, sft	503–2276	Texas to Brazil	se, ne, nw	45, 178, 578, 625, 628
<i>Seguenzia hapala</i> Woodring, 1928	ben, det, sft	80–150	West Florida to Brazil	ne, nw	322, 627
<i>Seguenzia ionica</i> (Watson, 1879)	ben, det, sft	713–2560	Campeche Bank to P. Rico; E. Atlantic	sse	178, 627
<b>Superfamily: Trochoidea</b>					
<b>Family: Calliostomatidae</b>					
<i>Calliostoma adelae</i> Schwengel, 1951	ben, car	2–24	East Florida to Florida Keys	se	344, 721, 747
<i>Calliostoma atlantis</i> Clench & Aguayo, 1940	ben, car	604–628	Bahamas to Cuba	se	140, 344, 625
<i>Calliostoma barbouri</i> Clench & Aguayo, 1946	ben, car	27–192	West Florida to Colombian Islands; Cuba	se, ne	143, 205, 307, 344, 625
<i>Calliostoma benedicti</i> Dall, 1889	ben, car	366	North Carolina to Florida Keys	se	153, 747
<i>Calliostoma bigelowi</i> Clench & Aguayo, 1938	ben, car	421–265	North Cuba to South Cuba	ese	137, 625
<i>Calliostoma brunneum</i> (Dall, 1881)	ben, car	27–1767	Bahamas to Barbados	se	175, 178, 344, 625
<i>Calliostoma cinctellum</i> Dall, 1889	ben, car, end	389	NW Cuba	ese	178, 344, 625
<i>Calliostoma circumcinctum</i> Dall, 1881	ben, car, end	250–1472	Yucatan Str. to Cuba	se	175, 625, 747
<i>Calliostoma cubense</i> Quinn, 1992	ben, car	11	Cuba	se	632
<i>Calliostoma dentatum</i> Quinn, 1992	ben, car, end	12–55	Texas to Louisiana	nw	632
<i>Calliostoma echinatum</i> Dall, 1881	ben, car	37–220	Cuba to Brazil	se	175, 625
<i>Calliostoma euglyptum</i> (A. Adams, 1855)	ben, car, crr, sft	0–91	North Carolina to Venezuela	entire	23, 278, 344, 766, 837
<i>Calliostoma fascinans</i> Schwengel & McGinty, 1942	ben, car, crr, ofb	68–143	East Florida to Campeche Bank	entire	153, 268, 344, 495, 801 <sup>19</sup>
<i>Calliostoma hendersoni</i> Dall, 1927	ben, car	154–538	Bahamas to Florida Keys	se	45, 186, 344, 625, 747
<i>Calliostoma javanicum</i> (Lamarck, 1822)	ben, car	1–97	East Florida to Brazil	se, sw	153, 278, 344, 747, 837 <sup>20</sup>
<i>Calliostoma jeanneae</i> Clench & Turner, 1960	ben, car, end	256	Florida Strait to NW Cuba	ese	153, 344, 625, 747
<i>Calliostoma jujubinum</i> (Gmelin, 1791)	ben, car, crr, ofb	0–192	North Carolina to Brazil	entire	22, 495, 577, 625, 837
<i>Calliostoma marionae</i> Dall, 1906	ben, car	21–165	North Carolina to Cuba	entire	153, 344, 747 <sup>21</sup>

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Calliostoma oregon</i> Clench & Turner, 1960	ben, car, end	206–347	Texas to Campeche Bank	entire	153, 205, 344, 495, 578 <sup>22</sup>
<i>Calliostoma orion</i> Dall, 1889	ben, car	20–146	Bahamas to Barbados	se, sw	178, 632, 747 <sup>23</sup>
<i>Calliostoma psyche</i> Dall, 1888	ben, car	26–443	North Carolina to Florida Keys	se, ne	153, 344, 625, 747
<i>Calliostoma pulchrum</i> (C. B. Adams, 1850)	ben, car, ofb, sgr	1–366	North Carolina to Surinam	entire	283, 410, 495, 625, 837
<i>Calliostoma roseolum</i> Dall, 1881	ben, car, crr, ofb	13–146	North Carolina to Campeche Bank	se, ne, nw	153, 495, 653, 747
<i>Calliostoma sapidum</i> Dall, 1881	ben, car	121–1472	Louisiana to Brazil	se, ne	178, 255, 266, 344, 625
<i>Calliostoma sarcodum</i> Dall, 1927	ben, car	6–12	Bahamas to Barbados	se	153, 278
<i>Calliostoma sayanum</i> Dall, 1889	ben, car	119–366	North Carolina to Dry Tortugas	se	153, 344, 625
<i>Calliostoma scalenum</i> Quinn, 1992	ben, car	25–80	North Carolina to Texas	se, ne, nw	266, 632, 765 <sup>24</sup>
<i>Calliostoma schroederi</i> Clench & Aguayo, 1938	ben, car	265–439	Bahamas to Cuba	se	153, 625
<i>Calliostoma springeri</i> (Clench & Turner, 1960)	ben, car, end	219–475	Alabama to Florida Keys	se, ne	153, 344, 747 <sup>25</sup>
<i>Calliostoma tampaense</i> (Conrad, 1846)	ben, car, end	0–11	West Florida to Florida Keys	se, ne	344, 632, 765 <sup>26</sup>
<i>Calliostoma torrei</i> Clench & Aguayo, 1940	ben, car	704–863	East Florida to Cuba	se	140, 293, 344, 625 <sup>27</sup>
<i>Calliostoma yucatecanum</i> Dall, 1881	ben, car, sft	8–1170	North Carolina to Quintana Roo	se, ne, nw	178, 410, 495, 625, 837
<b>Family: Solariellidae</b>					
<i>Lamellitrochus carinatus</i> Quinn, 1991	ben, grz, sft	60–200	West Florida to Brazil	ne	629
<i>Lamellitrochus incertus</i> Quinn, 1991	ben, grz, sft	86–1472	Georgia to Lesser Antilles	se	629
<i>Lamellitrochus lamellosus</i> (Verrill & Smith, 1880)	ben, grz, sft	25–250	New Jersey to Campeche Bank	entire	578, 625, 629, 655
<i>Lamellitrochus pourtalesi</i> (Clench & Aguayo, 1939)	ben, grz, sft	293–2276	East Florida to Puerto Rico	se, ne, nw	139, 578, 625, 629
<i>Microgaza rotella rotella</i> (Dall, 1881)	ben, grz, sft	45–1472	East Florida to Brazil	se	175, 443, 625
<i>Solariella carvalhoi</i> Lopes & Cardoso, 1958	ben, grz, sft	0–66	Cuba to Brazil	se	447
<i>Solariella cristata</i> Quinn, 1992	ben, grz, sft	201–256	Florida Keys to Lesser Antilles	se	631
<i>Solariella iris</i> (Dall, 1881)	ben, end, grz, sft	218–402	Florida Keys	ese	175, 178
<i>Solariella lacunella</i> (Dall, 1881)	ben, grz, sft	18–1472	North Carolina to Barbados	entire	175, 268, 625 <sup>28</sup>
<i>Solariella lubrica</i> (Dall, 1881)	ben, grz, sft	73–1472	East Florida to Brazil	entire	178, 363, 578, 625, 738 <sup>29</sup>
<i>Solariella multirestis</i> Quinn, 1979	ben, grz, sft	201–251	Florida Strait to Lesser Antilles	ese	625
<i>Solariella periscopica</i> Dall, 1927	ben, grz, sft	46–95	North Carolina to Quintana Roo	se	186
<i>Solariella tiara</i> (Watson, 1879)	ben, grz, sft	350–1966	East Florida to P. Rico; Bermuda	se, ne, sw	175, 578, 625 <sup>30</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Trochidae</b>					
<i>Callogaza watsoni</i> Dall, 1881	ben, grz	66–1170	Yucatan Str. to Brazil	se	175, 178, 625
<i>Cittarium pica</i> (Linnaeus, 1758)	ben, grz, hsb, rit	0–7	Bahamas to Barbados	se	9, 136, 285, 664, 837
<i>Gaza cubana</i> Clench & Aguayo, 1940	ben, grz	329–1080	East Florida to Cuba	se	625
<i>Gaza fischeri</i> Dall, 1889	ben, grz, hcs, sft	604–1061	Bahamas to Lesser Antilles	se, ne, nw	136, 578, 625, 847
<i>Gaza superba</i> (Dall, 1881)	ben, grz	47–1006	Louisiana to Surinam	ne, nw	136, 178, 578, 625, 738 <sup>31</sup>
<i>Margarites bairdii</i> (Dall, 1889)	ben, grz	366–1170	Florida Keys to Cuba	se	178, 625
<i>Margarites euspira</i> (Dall, 1881)	ben, grz	713–1472	Yucatan Str. to P. Rico; E. Atlantic	se	175, 178, 625
<i>Pseudostomatella coccinea</i> (A. Adams, 1850)	ben, grz	0–24	Quintana Roo to Venezuela; Cuba	se	16
<i>Pseudostomatella erythrocoma</i> (Dall, 1889)	ben, crr, grz, hsb	29–99	Bahamas to Lesser Antilles	se	178, 837
<i>Synaptocochlea picta</i> (d'Orbigny, 1847)	ben, crr, grz, sgr	0–713	Bermuda to Brazil; E. Atlantic	se	240, 302, 655
<i>Tegula excavata</i> (Lamarck, 1822)	ben, grz, rit	0–1	GMx to Barbados	se, sw	240, 302
<i>Tegula fasciata</i> (Born, 1778)	ben, crr, grz, sgr	0–90	East Florida to Brazil	entire	23, 575, 799, 800, 837
<i>Tegula gruneri</i> (Philippi, 1849)	ben, grz, hsb	0–10	Bahamas to Lesser Antilles	se	605, 803 <sup>32</sup>
<i>Tegula hotessieriana</i> (d'Orbigny, 1842)	ben, grz, hsb	0–10	Florida Keys to Brazil	se	359, 605
<i>Tegula lividomaculata</i> (C. B. Adams, 1845)	ben, grz, hsb	0–2	East Florida to Venezuela	se, sw	40, 240, 278, 359, 837
<b>Superfamily: Turbinoidea</b>					
<b>Family: Colloniidae</b>					
<i>Cantrainea macleani</i> Warén & Bouchet, 1993	ben, hcs, her, hsb	540–896	Louisiana to Colombia	ne, nw	167, 168, 266, 847
<i>Emiliotia rubrostriata</i> (Rolán, Rubio, & Fernández-Garcés, 1997)	ben, her, hsb	0–50	Bahamas to Hispaniola; Quintana Roo	ne	235
<i>Homalopoma albidum</i> (Dall, 1881)	ben, her, hsb	64–1832	North Carolina to Lesser Antilles	se, ne	175
<i>Homalopoma linnei</i> (Dall, 1889)	ben, her, hsb	80–1472	East Florida to Brazil	se, nw	178, 578
<b>Family: Liotiidae</b>					
<i>Cyclostrema pompholyx</i> (Dall, 1889)	ben, her, hsb	1472–2066	Bahamas to Cuba	se	178, 180, 449
<i>Arene bairdii</i> (Dall, 1889)	ben, ofb	27–1472	North Carolina to Brazil	se, ne, nw	178, 266, 577, 801 <sup>33</sup>
<i>Arene briareus</i> (Dall, 1881)	ben	70–878	NW Cuba to Brazil	se	175, 178 <sup>34</sup>
<i>Arene centrifuga</i> (Dall, 1896)	ben, end	371	NW Cuba	ese	184, 384
<i>Arene cruentata</i> (Mühlfeld, 1824)	ben, crr, hsb, ofb	0–115	East Florida to Venezuela	entire	88, 278, 307, 398, 837
<i>Arene microforis</i> (Dall, 1889)	ben	80–311	Florida Keys to Brazil	se	178
<i>Arene riisei</i> Rehder, 1943	ben	0–61	Dry Tortugas to Brazil	se	330 <sup>35</sup>
<i>Arene tricarinata</i> (Stearns, 1872)	ben, crr, ofb, sgr	0–183	North Carolina to Brazil	entire	31, 398, 655, 801, 837 <sup>36</sup>
<i>Arene variabilis</i> (Dall, 1889)	ben, ofb	26–494	North Carolina to Brazil	entire	178, 495, 509, 655, 801
<i>Arene venustula</i> Aguayo & Rehder, 1936	ben, crr, hsb	16–80	East Florida to Puerto Rico	se, nw, sw	20, 253, 266 <sup>37</sup>
<i>Cyclostrema amabile</i> (Dall, 1889)	ben, crr, ofb	27–146	Texas to Barbados	se, nw	178, 251, 497, 509, 577



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Cyclostrema cancellatum</i> Marryat, 1818	ben	0–2012	East Florida to Brazil	se	240, 278, 654, 837
<i>Cyclostrema huesonicum</i> (Dall, 1927)	ben, end, her, hsb	165–174	Florida Keys	ese	186
<i>Cyclostrema tortuganum</i> (Dall, 1927)	ben	29–82	East Florida to Brazil	se	186
<i>Liotia microgrammata</i> Dall, 1927	ben, end, her, hsb	349	NW Cuba	ese	186
<b>Family: Phasianellidae</b>					38
<i>Eulithidium adamsi</i> (Philippi, 1853)	ben, grz, hsb, svg	0–30	Bahamas to Tobago	se, ne, sw	283, 659, 837
<i>Eulithidium affine</i> (C. B. Adams, 1850)	ben, grz, hsb, sgr	0–63	East Florida to Brazil	se, nw, sw	23, 240, 521, 659, 837 <sup>39</sup>
<i>Eulithidium bellum</i> (M. Smith, 1937)	ben, grz, hsb, msp	0–137	East Florida to Brazil	se, ne, sw	240, 659, 734, 837
<i>Eulithidium pterocladicum</i> (Robertson, 1958)	ben, grz, hsb, svg	0–26	East Florida to Florida Keys	se, ne	410, 659
<i>Eulithidium tessellatum</i> (Potiez & Michaud, 1838)	ben, grz, hsb, svg	2	Campeche to Trinidad	se, sw	837
<i>Eulithidium thalassicola</i> (Robertson, 1958)	ben, grz, hsb, sgr	2–214	North Carolina to Brazil	entire	302, 322, 659, 837
<i>Gabrielona sulcifera</i> Robertson, 1973	ben, crr, grz, hsb	7.5–40	Cuba to Brazil	se	302
<b>Family: Skeneidae</b>					40
<i>Didianema pauli</i> Pilsbry & McGinty, 1945	ben	11–33	North Carolina to West Florida	ne	410, 473, 607
<i>Granigyra limata</i> (Dall, 1889)	ben	538–805	Georgia to Colombian Islands	se	178, 843
<i>Haplocochlias nunezi</i> Espinosa, Ortea, & Fernández-Garcés, 2005	ben	0–91	East Florida to Cuba	se	227, 683 <sup>41</sup>
<i>Haplocochlias onaneyi</i> Espinosa, Ortea, & Fernández-Garcés, 2005	ben	15–54	Cuba	se	227
<i>Haplocochlias swifti</i> Vanatta, 1913	ben	5–45	Cuba to Virgin Islands; Panama	se	605
<i>Lodderena ornata</i> (Olsson & McGinty, 1958)	ben, crr, ofb	0–30	Bermuda to Brazil; circumtr.	se, nw, sw	302, 470, 478, 512, 799
<i>Lodderena pulchella</i> (Olsson & McGinty, 1958)	ben	1–100	East Florida to Brazil	se	470, 473, 478
<i>Parviturbo calidimaris</i> Pilsbry & McGinty, 1945	ben	0–21	East Florida to Costa Rica	ne	608
<i>Parviturbo francesae</i> Pilsbry & McGinty, 1945	ben	64–91	West Florida; East Florida	ne	9
<i>Parviturbo rehderi</i> Pilsbry & McGinty, 1945	ben	0–40	East Florida to Brazil	se, ne	19
<i>Parviturbo turbinus</i> (Dall, 1889)	ben	70–146	North Carolina to Cuba	se	178
<i>Parviturbo weberi</i> Pilsbry & McGinty, 1945	ben, hsb	1–52	East Florida to Costa Rica; Brazil	se, ne	608, 837
<b>Family: Turbinidae</b>					
<i>Astralium phoebium</i> (Röding, 1798)	ben, crr, her, sgr	0–91	North Carolina to Brazil	entire	253, 302, 398, 653, 837
<i>Lithopoma americanum</i> (Gmelin, 1791)	ben, crr, her, hsb	0–33	North Carolina to Virgin Islands; Panama	entire	278, 302, 307, 734, 837 <sup>42</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/ Endnotes
<i>Lithopoma caelatum</i> (Gmelin, 1791)	ben, crr, her, hsb	0–44	East Florida to Barbados	entire	88, 240, 302, 577, 837
<i>Lithopoma tectum</i> (Lightfoot, 1786)	ben, her, hsb, rit	0–10	Campeche to Brazil	se, sw	22, 118, 278, 302, 837
<i>Turbo angelvaldesi</i> Ortea & Espinosa, 1996	ben, end, her, hsb	43	Campeche Bank	se or sw	559 <sup>43</sup>
<i>Turbo cailletii</i> Fischer & Bernardi, 1857	ben, crr, her, hsb	4–73	East Florida to Lesser Antilles	entire	240, 253, 278, 799, 837 <sup>44</sup>
<i>Turbo canaliculatus</i> Hermann, 1781	ben, her, hsb, sft	2–300	East Florida to Brazil	se, nw, sw	91, 497, 745
<i>Turbo castanea</i> Gmelin, 1791	ben, her, hsb, sgr	0–141	North Carolina to Brazil	entire	100, 240, 266, 283, 398
<b>Subclass: Neritimorpha</b>					
<b>Superfamily: Neritoidea</b>					
<b>Family: Neritidae</b>					
<i>Bathynnerita naticoidea</i> Clarke, 1989	ben, hcs, her	528–1135	Louisiana to Barbados	ne, nw	123, 167, 168, 847, 869
<i>Nerita fulgurans</i> Gmelin, 1791	ben, her, hsb, rit	0	East Florida to Brazil; Bermuda	entire	23, 118, 240, 695, 837
<i>Nerita peloronta</i> Linnaeus, 1758	ben, her, hsb, rit	0	East Florida to Trinidad; Bermuda	se, ne, sw	240, 278, 654, 695, 837 <sup>31</sup>
<i>Nerita tessellata</i> Gmelin, 1791	ben, her, hsb, rit	0–3	East Florida to Brazil; Bermuda	entire	118, 240, 272, 695, 837 <sup>31</sup>
<i>Nerita versicolor</i> Gmelin, 1791	ben, her, hsb, rit	(1)–0	East Florida to Trinidad; Bermuda	se, ne, sw	118, 654, 695, 799, 837 <sup>31</sup>
<i>Neritina clenchi</i> Russell, 1940	ben, est, her	0	East Florida to Tobago	se, ne	694, 695 <sup>45</sup>
<i>Neritina meleagris</i> Lamarck, 1822	ben, est, her	0–0.6	Cuba to Brazil	se	240, 695
<i>Neritina piratica</i> Russell, 1940	ben, est, her	0–0.1	Cuba to Brazil	se	16, 240, 694, 695
<i>Neritina punctulata</i> Lamarck, 1816	ben, est, her	0	Veracruz to Venezuela	sw	695 <sup>46</sup>
<i>Neritina usnea</i> (Röding, 1798)	ben, est, her, smr	0–1.5	East Florida to Trinidad	entire	23, 118, 159, 642, 695 <sup>47</sup>
<i>Neritina virginica</i> (Linnaeus, 1758)	ben, est, her, msp	0–1.5	East Florida to Brazil; Bermuda	entire	22, 23, 118, 240, 837
<i>Puperita pupa</i> (Linnaeus, 1767)	ben, her	0–1	East Florida to Barbados; Bermuda	se, ne	16, 240, 695, 734 <sup>48</sup>
<i>Smaragdia viridis</i> (Linnaeus, 1758)	ben, her, sgr	0–20	Bermuda to Brazil; E. Atlantic	entire	23, 240, 272, 278, 695
<b>Family: Neritiliidae</b>					
<i>Neritilia succinea</i> (Récluz, 1841)	ben, est	0	Cuba to Lesser Antilles	se	240 <sup>49</sup>
<b>Family: Neritopsidae</b>					
<i>Neritopsis atlantica</i> Sarasúa, 1973	ben	0–20	Cuba to Brazil	se	303, 304, 701 <sup>50</sup>
<b>Family: Phenacolepadidae</b>					
<i>Plesiothyreus hamillei</i> (P. Fischer, 1857)	ben, det, hsb	0–3	Bermuda to Brazil	se, nw, sw	120, 268, 541, 799, 837
<i>Plesiothyreus rushii</i> (Dall, 1889)	ben, det, hsb	0–55	East Florida to Virgin Ids.; Panama	se, nw	120, 520
<b>Subclass: Caenogastropoda</b>					
<b>Superfamily: Uncertain</b>					
<b>Family: Provannidae</b>					
<i>Provanna admetooides</i> Warén & Ponder, 1991	ben, end, hcs	630	West Florida	nne	850
<i>Provanna sculpta</i> Warén & Ponder, 1991	ben, end, hcs	527–620	Louisiana	ne, nw	167, 168, 850

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Superfamily: Cerithioidea</b>					
<b>Family: Batillariidae</b>					
<i>Batillaria minima</i> (Gmelin, 1791)	ben, det, msp, sft	0	East Florida to Brazil; Bermuda	se, ne, sw	49, 118, 240, 588, 837 <sup>31</sup>
<b>Family: Cerithiidae</b>					
<i>Bittiolium varium</i> (Pfeiffer, 1840)	ben, grz, sgr, sft	0–11	Maryland to Brazil	entire	23, 270, 317, 410, 837
<i>Cerithium atratum</i> (Born, 1778)	ben, grz, sgr, sft	0–91	North Carolina to Brazil; E. Atlantic	entire	23, 314, 410, 605, 837
<i>Cerithium eburneum</i> Bruguière, 1792	ben, grz, sgr, sft	0–18	East Florida to Brazil; Bermuda	se, ne, sw	31, 118, 314, 602, 837 <sup>51</sup>
<i>Cerithium guinaicum</i> Philippi, 1849	ben, crr, grz, ofb	0–20	East Florida to Venezuela; E. Atlantic	se, nw	31, 314, 700, 714 <sup>52</sup>
<i>Cerithium litteratum</i> (Born, 1778)	ben, grz, ofb, sgr	0–88	North Carolina to Brazil	entire	314, 398, 472, 577, 837 <sup>31</sup>
<i>Cerithium lutosum</i> Menke, 1828	ben, grz, sft, sgr	0–8	South Carolina to Trinidad; Bermuda	entire	23, 118, 314, 410, 837 <sup>53</sup>
<i>Cerithium muscarum</i> Say, 1832	ben, grz, sft	0–18	North Carolina to Honduras; Jamaica	entire	240, 283, 314, 837
<i>Fastigiella carinata</i> Reeve, 1848	ben, grz	0–1	Bahamas to Cuba	se	318, 560
<i>Varicopeza crystallina</i> (Dall, 1881)	ben, grz	11–1605	East Florida to Barbados	se, ne, sw	175, 315, 442, 837
<b>Family: Litiopidae</b>					
<i>Alaba incerta</i> (d'Orbigny, 1841)	ben, crr, grz, sgr	0–40	Bermuda to Brazil; E. Atlantic	entire	22, 23, 118, 192, 837
<i>Litiopa melanostoma</i> Rang, 1829	grz, ofb, plg, svg	0–805	North Carolina to Uruguay; circumtr.	entire	23, 497, 577, 800, 837
<b>Family: Modulidae</b>					
<i>Modulus calusa</i> Petuch, 1988	ben, end, grz	1.5	Florida Keys	ese	594
<i>Modulus carchedonius</i> (Lamarck, 1822)	ben, grz, sft, sgr	0–29	North Carolina to Brazil	se	2, 277, 302
<i>Modulus modulus</i> (Linnaeus, 1758)	ben, grz, ofb, sgr	0–105	North Carolina to Brazil	entire	2, 23, 118, 271, 837
<b>Family: Planaxidae</b>					
<i>Angiola lineata</i> (da Costa, 1778)	ben, grz, hsb, rit	0–48	Bermuda to Brazil; E. Atlantic	se, sw	22, 278, 316, 799, 837
<i>Fossarus bellus</i> Dall, 1889	ben, grz	18–196	North Carolina to Cuba	se	13, 178, 179
<i>Fossarus compactus</i> Dall, 1889	ben, grz	18–154	North Carolina to Cuba	se, nw	178, 266, 510
<i>Fossarus orbignyi</i> P. Fischer, 1864	ben, grz, sft	0–40	Bermuda to Brazil	sse, sw	22, 799
<i>Supplanaxis nucleus</i> (Bruguière, 1789)	ben, grz, hsb, rit	0–3	East Florida to Tobago; Bermuda	se, sw	240, 278, 316, 799
<b>Family: Potamididae</b>					
<i>Cerithidea costata</i> (da Costa, 1778)	ben, det, est, msp	0	South Carolina to Trinidad	se, ne, sw	49, 278, 283, 484, 837
<i>Cerithidea pliculosa</i> (Menke, 1829)	ben, det, sgr, smr	0–2	Texas to Venezuela	entire	22, 23, 49, 278, 520
<i>Cerithidea scalariformis</i> (Say, 1825)	ben, det, est	0	South Carolina to Panama; Bermuda	se, ne, sw	49, 240, 283, 484, 837 <sup>31</sup>
<b>Family: Scaliolidae</b>					
<i>Finella adamsi</i> (Dall, 1889)	ben, det, sft, sgr	2–30	North Carolina to Colombia	se, ne	302, 442, 837
<i>Finella dubia</i> (d'Orbigny, 1840)	ben, det, ofb, sft	0–805	North Carolina to Brazil	entire	23, 271, 800, 801, 837 <sup>54</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Siliquariidae</b>					
<i>Tenagodus modestus</i> (Dall, 1881)	ben, spf	37–1472	Bermuda to Brazil	se, ne, nw	62, 178, 205, 253, 801
<i>Tenagodus squamatus</i> (Blainville, 1827)	ben, crr, ofb, spf	11–732	North Carolina to Brazil	entire	31, 266, 398, 799, 801 <sup>55</sup>
<b>Family: Turritellidae</b>					
<i>Turritella acropora</i> Dall, 1889	ben, spf	5.5–755	North Carolina to Campeche Bank	entire	178, 205, 283, 410, 588
<i>Turritella exoleta</i> (Linnaeus, 1758)	ben, ofb, sft, spf	2–183	North Carolina to Brazil	entire	266, 497, 577, 588, 801
<i>Turritella lindae</i> Petuch, 1987	ben, end, spf	150	West Florida	nne	593
<i>Turritella lyonsi</i> García, 2006	ben, end, spf	28–48	Campeche Bay	ssw	263
<i>Turritella yucatecana</i> Dall, 1881	ben, spf	1170	Yucatan Strait	se	175, 178 <sup>18</sup>
<i>Vermicularia fargoi</i> Olsson, 1951	ben, end, hsb, spf	0–10	Texas to NW Cuba	entire	104, 271, 413, 456, 837
<i>Vermicularia knorrii</i> (Deshayes, 1843)	ben, crr, ofb, spf	2–143	North Carolina to ABC Islands	entire	118, 283, 654, 801, 837
<i>Vermicularia spirata</i> (Philippi, 1836)	ben, crr, ofb, spf	3–80	North Carolina to Brazil	entire	302, 546, 577, 734, 837
<b>Order: Littorinimorpha</b>					
<b>Superfamily: Vermetoidea</b>					
<b>Family: Vermetidae</b>					
<i>Dendropoma corrodens</i> (d'Orbigny, 1841)	ben, hsb, spf	0	East Florida to Lesser Antilles; Bermuda	se, sw	302, 837 <sup>57</sup>
<i>Dendropoma exsertum</i> (Dall, 1881)	ben, hsb, spf	57–1832	North Carolina to Barbados	se	175, 178
<i>Dendropoma irregulare</i> (d'Orbigny, 1841)	ben, crr, ofb, spf	0–7	East Florida to Brazil; Bermuda	se, ne, sw	31, 183, 302, 799, 837
<i>Petalococonchus erectus</i> (Dall, 1888)	ben, crr, hsb, spf	2–1400	East Florida to Brazil; Bermuda	entire	31, 266, 278, 700, 837
<i>Petalococonchus floridanus</i> Olsson & Harbison, 1953	ben, hsb, spf	0–73	East Florida to Panama; Puerto Rico	se, ne, sw	278, 556
<i>Petalococonchus mcgintyi</i> Olsson & Harbison, 1953	ben, hsb, spf	2–61	East Florida to Brazil	se, sw	88, 302, 700, 799
<i>Petalococonchus nigricans</i> (Dall, 1884)	ben, hsb, spf	0	West Florida to Panama	se, ne	176, 178, 556, 734
<i>Petalococonchus varians</i> (d'Orbigny, 1839)	ben, hsb, spf	0	East Florida to Brazil; Bermuda	se, ne, sw	22, 183, 278, 837
<i>Serpulorbis decussatus</i> (Gmelin, 1791)	ben, hsb, ofb, spf	0–80	North Carolina to Brazil	entire	31, 302, 577, 605, 837
<i>Serpulorbis riisei</i> (Mörch, 1862)	ben, hsb, spf	0–2	Campeche to Venezuela	se, sw	837
<b>Superfamily: Littorinoidea</b>					
<b>Family: Littorinidae</b>					
<i>Cenchritis muricata</i> (Linnaeus, 1758)	ben, grz, hsb, rit	(9)–0	East Florida to Trinidad; Bermuda	se, ne, sw	134, 240, 278, 734, 837 <sup>60</sup>
<i>Echinolittorina angustior</i> (Mörch, 1876)	ben, grz, hsb, rit	0	East Florida to Venezuela	se	29, 837, 863
<i>Echinolittorina interrupta</i> (Philippi, 1847)	ben, grz, hsb, rit	0	West Florida to Trinidad	entire	22, 23, 29, 386, 863 <sup>61</sup>
<i>Echinolittorina meleagris</i> (Potiez & Michaud, 1838)	ben, grz, hsb, rit	0	Bermuda to Barbados; E. Atlantic	se, nw, sw	22, 23, 50, 837, 863
<i>Echinolittorina mespillum</i> (Mühlfeld, 1824)	ben, grz, hsb, rit	(2)–0	Bermuda to Venezuela	se, ne	9, 50, 202, 588, 863

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Echinolittorina riisei</i> (Mörch, 1876)	ben, grz, hsb, rit	0	East Florida to Lesser Antilles	se, nw	29, 863
<i>Echinolittorina tuberculata</i> (Menke, 1828)	ben, grz, hsb, rit	(1)–0	Bermuda to Barbados	se, ne, sw	278, 863 <sup>62</sup>
<i>Echinolittorina ziczac</i> (Gmelin, 1791)	ben, grz, hsb, rit	(3)–0	East Florida to Barbados; Bermuda	se, sw	29, 837, 863 <sup>63</sup>
<i>Littoraria angulifera</i> (Lamarck, 1822)	ben, grz, msp	(1)–0	Bermuda to Brazil; E. Atlantic	entire	23, 50, 118, 575, 837 <sup>64</sup>
<i>Littoraria irrorata</i> (Say, 1822)	ben, grz, smr	0–22	Massachusetts to Texas	ne, nw	23, 50, 183, 497, 574 <sup>65</sup>
<i>Littoraria nebulosa</i> (Lamarck, 1822)	ben, grz, hsb, rit	(1)–0	Texas to Surinam	entire	50, 118, 192, 837, 861
<i>Littoraria tessellata</i> (Philippi, 1847)	ben, grz, hsb, rit	0	East Florida to Venezuela	se	50
<i>Tectarius antonii</i> (Philippi, 1846)	ben, grz, hsb, rit	(2)–0	East Florida to Venezuela	se	240
<b>Family: Pickworthiidae</b>					
<i>Sansonia tuberculata</i> (Watson, 1886)	ben, crr, ofb	5–713	East Florida to Panama; Puerto Rico	nw	31, 266, 509
<b>Superfamily: Cingulopsoidea</b>					
<b>Family: Cingulopsidae</b>					
<i>Eatonina laurensi</i> Moolenbeek & Faber, 1991	ben, grz, svg		Quintana Roo to Panama; Cuba	se	679
<b>Superfamily: Rissooidea</b>					
<b>Family: Anabathridae</b>					
<i>Amphithalamus albus</i> Rolán, 1991	ben, grz, hsb, svg	1–20	Quintana Roo to Cuba	se	666
<i>Amphithalamus niger</i> Rolán, 1991	ben, grz, hsb, svg	1–4	Quintana Roo to NW Cuba	ese	666
<i>Amphithalamus rauli</i> Rolán, 1991	ben, grz, hsb, svg	1–20	Quintana Roo to Cuba	se	666
<i>Amphithalamus valleii</i> Aguayo & Jaume, 1947	ben, crr, grz, svg	0–15	East Florida to Brazil	se, nw, sw	31, 508, 837
<b>Family: Assimineidae</b>					
<i>Assiminea succinea</i> (Pfeiffer, 1840)	ben, det, hsb, smr	0–4	Massachusetts to Brazil	entire	102, 302, 508, 540, 837
<b>Family: Barleeiidae</b>					
<i>Barleeia creutzbergi</i> (Jong & Coomans, 1988)	ben, det	4–12	Quintana Roo to Lesser Antilles	se	331
<i>Barleeia tincta</i> Guppy, 1895	ben, det	0–8	East Florida to Trinidad	ene	400 <sup>66</sup>
<i>Caelatura rustica</i> (Watson, 1886)	ben, det	2–805	North Carolina to Brazil	se	180 <sup>67</sup>
<b>Family: Caecidae</b>					
<i>Caecum antillarum</i> Carpenter, 1858	ben, grz	5–100	West Florida to Uruguay	se, ene	837
<i>Caecum bipartitum</i> Folin, 1870	ben, grz	1.5–66	North Carolina to Veracruz	ne, nw, sw	102, 104, 283, 394, 513
<i>Caecum brasiliicum</i> Folin, 1874	ben, grz	2–24	Cuba to Brazil	se	605
<i>Caecum breve</i> Folin, 1867	ben, grz	0–6	East Florida to Brazil	ne	395
<i>Caecum carolinianum</i> Dall, 1892	ben, grz, ofb	7–37	North Carolina to Cuba	se, ne	183, 605, 734
<i>Caecum cinctum</i> Olsson & Harbison, 1953	ben, end, grz	0–2	Texas	nnw, wnw	513

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/ Endnotes
<i>Caecum circumvolutum</i> Folin, 1867	ben, crr, grz, ofb	1.5–40	East Florida to Brazil	entire	322, 410, 497, 588, 803 <sup>69</sup>
<i>Caecum clava</i> Folin, 1867	ben, grz, ofb	0–101	Texas to Lesser Antilles	nw, se	394, 497, 513, 800
<i>Caecum condylum</i> Moore, 1969	ben, grz	12–30	Texas to Panama	nw, sw	394, 475, 490, 497, 799
<i>Caecum cooperi</i> S. Smith, 1860	ben, grz, ofb, sft	0–73	Massachusetts to Cuba	se, ne, nw	410, 513, 605, 654, 800
<i>Caecum cycloferum</i> Folin, 1867	ben, grz	0–101	North Carolina to Brazil	ne, nw, sw	513, 734, 799 <sup>70</sup>
<i>Caecum floridanum</i> Stimpson, 1851	ben, crr, grz	0–60	North Carolina to Brazil	entire	302, 513, 605, 803, 837
<i>Caecum imbricatum</i> Carpenter, 1858	ben, grz, hsb, sft	0–183	East Florida to Brazil	entire	23, 245, 477, 799, 837
<i>Caecum insularum</i> Moore, 1969	ben, grz, sft	1.5	West Florida to Lesser Antilles	se, ne	302, 394
<i>Caecum johnsoni</i> Winkley, 1908	ben, grz, ofb	0–75	Rhode Island to Brazil	ne, nw, sw	23, 104, 283, 322, 513
<i>Caecum multicostatum</i> Folin, 1867	ben, grz, ofb	1–46	West Florida to Brazil	ne, nw, sw	322, 386, 410, 513, 799 <sup>71</sup>
<i>Caecum plicatum</i> Carpenter, 1858	ben, crr, grz, sgr	2–101	East Florida to Brazil; Bermuda	entire	266, 283, 302, 513, 837
<i>Caecum pulchellum</i> Stimpson, 1851	ben, crr, grz, hsb	0.3–101	New Hampshire to Uruguay	entire	23, 270, 283, 799, 837
<i>Caecum regulare</i> Carpenter, 1858	ben, grz, hsb	10–58	East Florida to Surinam	ne	394
<i>Caecum ryssotitum</i> Folin, 1867	ben, grz, hsb, sgr	0–101	Texas to Brazil	se, nw, sw	192, 513, 799, 800, 837
<i>Caecum striatum</i> Folin, 1868	ben, grz	0	West Florida to Brazil	ene	386
<i>Caecum strigosum</i> Folin, 1868	ben, grz	0–40	East Florida to Brazil	se, ne	395, 410
<i>Caecum subvolutum</i> Folin, 1874	ben, grz	12–296	East Florida to Barbados	se, ne	395
<i>Caecum textile</i> Folin, 1867	ben, grz, svg	0–6	GMx to Lesser Antilles	se, nw, sw	302, 477, 513, 799, 837
<i>Caecum torquetum</i> Folin, 1867	ben, grz	6–52	Bahamas to Lesser Antilles	nw, sw	497, 799
<i>Meioceras cornucopiae</i> Carpenter, 1858	ben, crr, grz, ofb	0–37	East Florida to Brazil	entire	31, 395, 477, 513, 837
<i>Meioceras cubitatum</i> Folin, 1868	ben, grz	0–183	North Carolina to Brazil	se, ne, nw	395, 513
<i>Meioceras nitidum</i> (Stimpson, 1851)	ben, grz, orf, sgr	0–24	East Florida to Uruguay	entire	477, 513, 624, 799, 837
<b>Family: Elachisinidae</b>					
<i>Elachisina floridana</i> (Rehder, 1943)	ben, grz, hsb	0–101	Bermuda to Brazil	entire	271, 507, 645, 646, 837
<b>Family: Hydrobiidae</b>					
<i>Floridiscrobs dysbatus</i> (Pilsbry & McGinty, 1949)	ben, end	0	Florida Keys	ese	612, 619
<i>Helebops docimus</i> F. G. Thompson, 1968	ben, est	0	West Florida; East Florida	ne	790
<i>Littoridinops monroensis</i> (Frauenfeld, 1863)	ben, est	0–0.3	Maryland to Bahamas	se, ne	790
<i>Littoridinops palustris</i> F. G. Thompson, 1968	ben, end, est	0	West Florida	ene	790
<i>Onobops crassus</i> F. G. Thompson, 1968	ben, est	0	West Florida; East Florida	ne	790

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Onobops jacksoni</i> (Bartsch, 1953)	ben, est	0–0.3	Maryland to West Florida	ne	790
<i>Probythinella protera</i> Pilsbry, 1953	ben, end, est, sft	0–2	Texas to Alabama	nne, nw	23, 105, 300, 509, 736 <sup>73</sup>
<i>Pyrgophorus cisterninus</i> (Küster, 1852)	ben, end, est	0	Campeche to Yucatan	sse, ssw	837
<i>Pyrgophorus coronatus</i> (Pfeiffer, 1840)	ben, est	0	Tabasco to Virgin Islands	sw	273
<i>Pyrgophorus platyrachis</i> F. G. Thompson, 1968	ben, est	0	West Florida; East Florida	ne	790
<i>Pyrgophorus spinosus</i> (Call & Pilsbry, 1886)	ben, end, est	0	Texas to Veracruz	wnw, sw	482, 509, 640 <sup>74</sup>
<i>Texadina barretti</i> (Morrison, 1965)	ben, end, est, sft	0–2.4	Texas to Mississippi	nne, nnw, wnw	104, 105, 485, 509, 540
<i>Texadina sphinctostoma</i> (Abbott & Ladd, 1951)	ben, est, sft	0–4	Texas to Quintana Roo	entire	23, 382, 575, 736, 837
<b>Family: Pelyciidiidae</b>					
<i>Pelycidion megalomastomus</i> (Olsson & McGinty, 1958)	ben	0	Yucatan to Panama; Puerto Rico	sse	557, 837
<b>Family: Rissoiidae</b>					
<i>Alvania auberiana</i> (d'Orbigny, 1842)	ben, grz, ofb, sgr	0–101	North Carolina to Brazil	entire	118, 283, 410, 507, 837
<i>Alvania colombiana</i> Romer & Moore, 1988	ben, grz, ofb	45–221	East Florida to Lesser Antilles	ne, nw	322, 682
<i>Alvania gradata</i> (d'Orbigny, 1842)	ben, grz	10–0	Quintana Roo to Venezuela	sse	837
<i>Alvania precipitata</i> (Dall, 1889)	ben, grz, sft	55–1225	Yucatan Str. to Bahamas	se, ne, nw	9, 178, 507, 801
<i>Benthonella tenella</i> (Jeffreys, 1883)	ben, grz, sft	10–5500	Canada to Brazil; E. Atlantic	entire	87, 178, 507, 578 <sup>76</sup>
<i>Benthonellania acuticostata</i> (Dall, 1889)	ben, grz, ofb	59–1249	Texas to Barbados	se, ne, nw	178, 507, 801
<i>Benthonellania pyrrias</i> (Watson, 1886)	ben, grz	713–1426	West Florida to Puerto Rico	ne	578
<i>Benthonellania xanthias</i> (Watson, 1886)	ben, grz, sft	58–1750	Georgia to Brazil	ne, nw	268, 578 <sup>77</sup>
<i>Folinia bermudezi</i> (Aguayo & Rehder, 1936)	ben, grz	25–73	East Florida to Brazil	se	20
<i>Microstelma columbella</i> (Dall, 1881)	ben, end, grz	289–402	NW Cuba	ese	175
<i>Microstelma vestale</i> (Rehder, 1943)	ben, grz, sft	33–107	East Florida to Campeche Bank	se, ne, sw	260, 645 <sup>78</sup>
<i>Rissoina angeli</i> Espinosa & Ortea, 2002	ben, end, grz	50	West Florida to Cuba	ene	386
<i>Rissoina cancellata</i> Philippi, 1847	ben, crr, grz, ofb	0.5–143	East Florida to Brazil; Bermuda	entire	302, 507, 577, 801, 837
<i>Rissoina decussata</i> (Montagu, 1803)	ben, grz, hsb, ofb	0–106	North Carolina to Brazil	entire	507, 655, 799, 800, 837
<i>Rissoina dyscrita</i> Faber, 1990	ben, grz, hsb, sft	0–4.5	East Florida to Lesser Antilles; Bermuda	se	230
<i>Rissoina elegantissima</i> (d'Orbigny, 1842)	ben, crr, grz, hsb	0–128	East Florida to Barbados	se, nw	194, 266, 387, 507, 577

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Rissoina fenestrata</i> Schwartz, 1860	ben, grz	52	Louisiana to Brazil	nw	267
<i>Rissoina krebsii</i> (Mörch, 1876)	ben, grz, hsb	0–45	Bahamas to Cuba	se	605
<i>Rissoina multicotata</i> (C. B. Adams, 1850)	ben, crr, grz, ofb	0–525	East Florida to Brazil	entire	194, 302, 478, 507, 837
<i>Rissoina princeps</i> (C. B. Adams, 1850)	ben, grz	0–86	Bahamas to Brazil	se, sw	194 <sup>79</sup>
<i>Rissoina sagraiana</i> (d'Orbigny, 1842)	ben, crr, grz, ofb	0–128	Texas to Lesser Antilles	se, nw, sw	194, 267, 302, 322
<i>Rissoina striatocostata</i> (d'Orbigny, 1842)	ben, grz		NW Cuba to Lesser Antilles	se	194
<i>Rissoina striosa</i> (C. B. Adams, 1850)	ben, grz	0–70	East Florida to Brazil	se, ne, nw	194, 507 <sup>80</sup>
<i>Schwartziella abacocubensis</i> Espinosa & Ortea, 2002	ben, grz	0–18	Bahamas to Cuba	se	217
<i>Schwartziella bouryi</i> (Desjardin, 1949)	ben, grz, hsb	0–6	East Florida to Cuba	se	194
<i>Schwartziella bryerea</i> (Montagu, 1803)	ben, grz, hsb	2–34	Bermuda to Brazil; E. Atlantic	se, ne, sw	118, 194, 240, 734, 837
<i>Schwartziella catesbyana</i> (d'Orbigny, 1842)	ben, grz, sgr	0–40	North Carolina to Brazil	entire	23, 283, 302, 410, 837
<i>Schwartziella chesnelii</i> (Michaud, 1830)	ben, grz, ofb, sgr	4–57	North Carolina to Virgin Ids.; Costa Rica	entire	271, 507, 575, 654, 800
<i>Schwartziella fischeri</i> (Desjardin, 1949)	ben, grz, hsb, sgr	0–55	Bermuda to Brazil	se, ne, sw	118, 194, 655, 802, 837
<i>Schwartziella floridana</i> (Olsson & Harbison, 1953)	ben, grz	0–48	North Carolina to West Florida	ne	390, 556
<i>Simulamereina caribaea</i> (d'Orbigny, 1842)	ben, grz, sft	0	East Florida to Brazil	sw	799
<i>Stosicia aberrans</i> (C. B. Adams, 1850)	ben, grz, ofb	0–93	Texas to Brazil	ne, nw, sw	507, 799, 802, 837
<i>Stosicia houbricki</i> Sleurs, 1996	ben, grz	0–35	Cuba to Belize	se	217, 391 <sup>81</sup>
<i>Thaleia nisonis</i> (Dall, 1889)	ben, grz	50–1930	South Carolina to Brazil	ne	178, 841
<i>Zebina browniana</i> (d'Orbigny, 1842)	ben, crr, grz, sgr	0–51	North Carolina to Brazil	entire	23, 118, 577, 837
<i>Zebina laevigata</i> (C. B. Adams, 1850)	ben, grz, hsb, msp	10–0	North Carolina to Virgin Ids.; Costa Rica	se	13 <sup>82</sup>
<b>Family: Tornidae</b>					
<i>Anticlimax athleena</i> (Pilsbry & McGinty, 1946)	ben, grz		West Florida to Colombia	ne	473, 609 <sup>84</sup>
<i>Anticlimax pilsbryi</i> (McGinty, 1945)	ben, grz	0–152	East Florida to Venezuela	entire	23, 473, 511, 609, 837
<i>Anticlimax proboscidea</i> (Aguayo, 1949)	ben, grz	40	Cuba to Brazil	se	14
<i>Aorotrema cistronium</i> (Dall, 1889)	ben, grz	14–115	North Carolina to Texas	nw	511
<i>Aorotrema pontogenes</i> (Schwengel & McGinty, 1942)	ben, end, grz	35–37	West Florida	nne	473, 722
<i>Circulus semisculptus</i> (Olsson & McGinty, 1958)	ben, grz, hsb	0	East Florida to Lesser Antilles	ne	473
<i>Circulus texanus</i> (Moore, 1965)	ben, grz	0–44	East Florida to Texas	nw	474, 511
<i>Cochliolepis parasitica</i> Stimpson, 1858	ben, grz, sft	0–48	North Carolina to Colombia	entire	23, 102, 283, 489, 700



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Cochliolepis striata</i> Dall, 1889	ben, grz	0–46	North Carolina to Panama	ne, nw	23, 102, 178, 473, 514
<i>Cyclostremiscus beauii</i> (P. Fischer, 1857)	ben, crr, grz, sgr	0–46	East Florida to Brazil	entire	65, 283, 473, 512, 837
<i>Cyclostremiscus cubanus</i> (Pilsbry & Aguayo, 1933)	ben, grz	1–137	East Florida to Virgin Ids.; Panama	se, ne, nw	473, 512, 605
<i>Cyclostremiscus dalli</i> (Bush, 1897)	ben, grz	79–618	North Carolina to Bahamas	se	473
<i>Cyclostremiscus jeannae</i> Pilsbry & McGinty, 1946	ben, crr, grz	0–128	North Carolina to Colombia	entire	410, 473, 512, 641, 700
<i>Cyclostremiscus pentagonus</i> (Gabb, 1873)	ben, crr, grz, ofb	0–538	Massachusetts to Venezuela	entire	271, 473, 512, 575, 837 <sup>85</sup>
<i>Cyclostremiscus suppressus</i> (Dall, 1889)	ben, crr, grz, sgr	0–58	North Carolina to Campeche Bank	entire	23, 283, 473, 512, 837
<i>Episcynia inornata</i> (d'Orbigny, 1842)	ben, grz, ofb, sgr	0–128	North Carolina to Brazil	entire	23, 410, 603, 800, 837 <sup>86</sup>
<i>Parviturboides interruptus</i> (C. B. Adams, 1850)	ben, crr, grz, ofb	0–91	North Carolina to Brazil	entire	23, 473, 511, 799, 837
<i>Pleuromalaxis balesi</i> (Pilsbry & McGinty, 1945)	ben, grz	0–100	East Florida to Venezuela	se, ne, nw	23, 302, 473, 607
<i>Solariorbis blakei</i> (Rehder, 1944)	ben, grz	0–26	South Carolina to Panama	ne, nw, sw	23, 104, 283, 473, 512
<i>Solariorbis infracarيناتus</i> (Gabb, 1881)	ben, grz, ofb, sft	0–66	East Florida to Brazil	ne, nw, sw	23, 473, 512, 613, 837
<i>Solariorbis mooreanus</i> (Vanatta, 1904)	ben, grz, sft	0–20	Texas to Brazil	ne, nw	23, 473, 497, 512
<i>Solariorbis multistriatus</i> (A. E. Verrill, 1884)	ben, crr, grz, ofb	5–260	North Carolina to Guyana	entire	15, 269, 577
<i>Solariorbis semipunctus</i> Moore, 1965	ben, grz	0–18	Campeche Bank to Hispaniola	ne, ssw	412, 474
<i>Solariorbis terminalis</i> (Pilsbry & McGinty, 1946)	ben, grz	18–35	North Carolina to Panama	ne	473, 610
<i>Teinostoma altum</i> Pilsbry, 1953	ben, grz	0–139	East Florida to Texas	nw	511 <sup>87</sup>
<i>Teinostoma avunculus</i> Pilsbry, 1953	ben, end, grz	11–18	Texas	nw	511
<i>Teinostoma biscaynense</i> Pilsbry & McGinty, 1945	ben, grz, ofb	0–500	East Florida to Venezuela	entire	23, 159, 473, 642, 837
<i>Teinostoma carinicalus</i> Pilsbry & McGinty, 1946	ben, grz	0–46	East Florida to Panama	se, ne, nw	473, 497, 511, 603, 610
<i>Teinostoma clavium</i> Pilsbry & McGinty, 1945	ben, grz, sft	0–18	East Florida to Venezuela	se, sw	473, 607, 700, 837
<i>Teinostoma cocolitoris</i> Pilsbry & McGinty, 1945	ben, grz, hsb	18–122	North Carolina to Brazil	nnw	266, 267, 511
<i>Teinostoma goniogyrus</i> Pilsbry & McGinty, 1945	ben, grz	0–137	East Florida to Colombia; Hispaniola	ne, nw	473, 497, 511, 607, 801
<i>Teinostoma incertum</i> Pilsbry & McGinty, 1945	ben, crr, grz, ofb	11–55	East Florida to Brazil	ne, nw	31, 322, 410, 473, 607
<i>Teinostoma lerema</i> Pilsbry & McGinty, 1945	ben, grz	0–48	Texas to Colombia; Virgin Ids.	entire	23, 271, 283, 607, 700
<i>Teinostoma megastoma</i> (C. B. Adams, 1850)	ben, grz	0–123	Texas to Brazil	se, nw, sw	266, 511, 837
<i>Teinostoma parvicallum</i> Pilsbry & McGinty, 1945	ben, grz	0–91	East Florida to Venezuela	entire	23, 283, 473, 511, 607

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Teinostoma reclusum</i> Dall, 1889	ben, grz	22–1170	North Carolina to Yucatan Str.	se	178
<i>Teinostoma solidum</i> Dall, 1889	ben, grz	55–805	Georgia to NW Cuba	se, ne, nw	178, 473, 511
<i>Teinostoma tectispira</i> Pilsbry, 1953	ben, end, grz	0–1	Texas	nw	511
<i>Teinostoma umbilicatum</i> (H. C. Lea, 1843)	ben, grz	18–305	New Jersey to Venezuela	ne, nw, sw	266, 511, 837 <sup>88</sup>
<i>Vitrinella diaphana</i> (d'Orbigny, 1842)	ben, grz	27	North Carolina to Virgin Islands; Panama	se	25, 803
<i>Vitrinella filifera</i> Pilsbry & McGinty, 1946	ben, grz	0–1	East Florida to Brazil	ne, nw	473, 510 <sup>89</sup>
<i>Vitrinella floridana</i> Pilsbry & McGinty, 1946	ben, grz, ofb	0–46	East Florida to Colombia	ne, nw, sw	23, 413, 473, 493
<i>Vitrinella helicoidea</i> C. B. Adams, 1850	ben, grz, ofb	0–137	North Carolina to Tobago	se, nw, sw	410, 473, 510, 801, 837
<i>Vitrinella hemphilli</i> Vanatta, 1913	ben, grz	0.6–73	Texas to Colombia	ne, nw	473, 510, 815
<i>Vitrinella tryoni</i> Bush, 1897	ben, grz	29	North Carolina to Cuba	se	15
<b>Family: Truncatellidae</b>					
<i>Truncatella caribaensis</i> Reeve, 1842	ben, det	0–1.5	North Carolina to Trinidad	entire	23, 240, 269, 794, 837 <sup>90</sup>
<i>Truncatella clathrus</i> Lowe, 1832	ben, det, hsb	0	East Florida to Bahamas; Bermuda	se, ne	320, 484, 685, 794 <sup>91</sup>
<i>Truncatella pulchella</i> Pfeiffer, 1839	ben, det	0	East Florida to Brazil; Bermuda	se, ne, sw	484, 685, 794, 837 <sup>92</sup>
<b>Superfamily: Stromboidea</b>					
<b>Family: Strombidae</b>					
<i>Aliger costatus</i> (Gmelin, 1791)	ben, her, sft, sgr	2–55	North Carolina to Brazil	entire	278, 322, 500, 653, 837
<i>Aliger gallus</i> (Linnaeus, 1758)	ben, her, sft	0.3–82	East Florida to Brazil; Bermuda	se	16
<i>Eustrombus gigas</i> (Linnaeus, 1758)	ben, her, sft, sgr	0.3–25	South Carolina to Barbados; Bermuda	entire	95, 118, 133, 500, 837
<i>Strombus alatus</i> Gmelin, 1791	ben, her, sft, sgr	0–183	North Carolina to Quintana Roo	entire	23, 95, 118, 800, 837
<i>Strombus pugilis</i> Linnaeus, 1758	ben, her, sft, sgr	0–55	East Florida to Brazil	se, sw	22, 133, 240, 278
<i>Tricornis raninus</i> (Gmelin, 1791)	ben, her, sft, sgr	0.3–55	North Carolina to Brazil	se, nw, sw	22, 118, 133, 500, 837
<b>Superfamily: Xenophoroidea</b>					
<b>Family: Xenophoridae</b>					
<i>Xenophora caribaea</i> Petit, 1857	ben, det, sft	20–640	East Florida to Brazil	se, ne, sw	95, 190, 205, 618, 738 <sup>94</sup>
<i>Xenophora conchyliophora</i> (Born, 1780)	ben, det, sft, sgr	0–635	North Carolina to Brazil	entire	266, 500, 738, 799, 837
<i>Xenophora longleyi</i> Bartsch, 1931	ben, det, sft	139–823	North Carolina to Brazil	entire	16, 95, 443, 618, 738 <sup>95</sup>
<b>Superfamily: Calyptraeoidae</b>					
<b>Family: Calyptraeidae</b>					
<i>Bostrycapulus aculeatus</i> (Gmelin, 1791)	ben, hsb, spf	0–80	North Carolina to Venezuela	entire	157, 307, 413, 501, 837 <sup>97</sup>
<i>Calyptraea centralis</i> (Conrad, 1841)	ben, ofb, spf	0–183	North Carolina to Uruguay	entire	283, 501, 577, 801, 837
<i>Crepidula atrasolea</i> Collin, 2000	ben, spf	0–20	North Carolina to Florida Keys	se, ne	155, 728 <sup>98</sup>

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Crepidula convexa</i> Say, 1822	ben, hsb, sgr, spf	0–70	Nova Scotia to Quintana Roo	ne, nw, sw	23, 156, 501, 575
<i>Crepidula depressa</i> Say, 1822	ben, spf	0–3	East Florida to Texas	ne, nw	155, 728 <sup>99</sup>
<i>Crepidula fornicata</i> (Linnaeus, 1758)	ben, hsb, sgr, spf	0–70	Nova Scotia to Texas; E. Atlantic	entire	22, 23, 278, 283, 575
<i>Crepidula maculosa</i> Conrad, 1846	ben, spf	0–11	East Florida to Quintana Roo	se, ne, sw	159, 272, 413, 742, 837
<i>Crepidula ustulatulina</i> Collin, 2002	ben, spf	0–1	East Florida to Quintana Roo	entire	156
<i>Crucibulum auricula</i> (Gmelin, 1791)	ben, ofb, spf	1–115	North Carolina to Brazil	entire	278, 501, 574, 837
<i>Crucibulum planum</i> Schumacher, 1817	ben, spf	10–0	Campeche to Colombia	se, sw	837
<i>Crucibulum striatum</i> (Say, 1826)	ben, spf	0–422	Nova Scotia to N. Brazil	se, ne	9, 183, 277, 734, 822
<b>Family: Capulidae</b>					
<i>Capulus ungaricus</i> (Linnaeus, 1758)	ben, spf	1–838	Bermuda to Colombia; E. Atlantic	nw	501 <sup>100</sup>
<i>Hyalorisia galea</i> (Dall, 1889)	ben, hcs, spf	342–768	Texas to Barbados	nw, sw	578, 847
<i>Trichotropis migrans</i> Dall, 1881	ben, spf	65–366	North Carolina to Brazil	se, ne, sw	175, 178 <sup>101</sup>
<b>Superfamily: Vanikoroidea</b>					
<b>Family: Haloceratidae</b>					
<i>Haloceras carinatum</i> (Jeffreys, 1883)	ben, car	805	Georgia to Florida Keys; E. Atlantic	se	625, 846 <sup>102</sup>
<i>Haloceras trichotropoides</i> Warén & Bouchet, 1991	ben, car, end	137–183	Florida Keys	ese	846
<b>Family: Hipponicidae</b>					
<i>Cheilea equestris</i> (Linnaeus, 1758)	ben, det, hsb, ofb	0–780	North Carolina to Brazil; E. Atlantic	entire	240, 266, 501, 799, 837
<i>Hipponix antiquatus</i> (Linnaeus, 1767)	ben, det, hsb	0–525	East Florida to Brazil; E. Atlantic	se, sw	88, 240, 278, 734, 837 <sup>103</sup>
<i>Hipponix incurvus</i> (Gmelin, 1791)	ben, det, hsb	0–538	North Carolina to Brazil	se, nw	240, 266, 724 <sup>104</sup>
<i>Hipponix benthophila</i> (Dall, 1889)	ben, det, hsb	91–682	Florida Keys to Brazil	se	30, 178
<i>Hipponix subrufus</i> (Lamarck, 1822)	ben, det, hsb	0–780	GMx to Brazil; E. Atlantic	entire	837 <sup>105</sup>
<b>Family: Vanikoridae</b>					
<i>Macromphalina floridana</i> Moore, 1965	ben, det	1–34.5	East Florida to Venezuela	ne	474
<i>Macromphalina jibacoa</i> Rolán & Rubio, 1998	ben, det, end	4	NW Cuba	ese	681
<i>Macromphalina palmalitoris</i> Pilsbry & McGinty, 1950	ben, det, ofb	11–161	North Carolina to Colombia; P. Rico	ne, nw	23, 410, 473, 514, 800
<i>Macromphalina pierrot</i> Gardner, 1948	ben, det, end	20	Texas	nw	497, 514
<i>Macromphalina susoi</i> Rolán & Rubio, 1998	ben, det	37	West Florida, East Florida	ne	681
<i>Megalomphalus margaritae</i> Rolán & Rubio, 1998	ben, det		Bahamas to Florida Keys	se	681
<i>Megalomphalus oxychone</i> (Mörch, 1877)	ben, det	0–26	North Carolina to Brazil	se	681

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Megalomphalus pilsbryi</i> (Olsson & McGinty, 1958)	ben, det	0–50	East Florida to Lesser Antilles; Bermuda	se	681
<i>Vanikoro striatus</i> (d'Orbigny, 1842)	ben, det		Cuba to Lesser Antilles	ese	18
<b>Superfamily: Cypraeoidea</b>					
<b>Family: Cypraeidae</b>					
<i>Erosaria acicularis</i> (Gmelin, 1791)	ben, crr, grz, hsb	0–780	North Carolina to Brazil	entire	22, 118, 307, 398, 837
<i>Luria cinerea</i> (Gmelin, 1791)	ben, crr, grz, hsb	0–1472	North Carolina to Brazil	entire	22, 118, 322, 398, 837
<i>Macrocypraea cervus</i> (Linnaeus, 1771)	ben, crr, grz, ofb	0–53	North Carolina to Cuba	entire	22, 23, 205, 800, 837
<i>Macrocypraea zebra</i> (Linnaeus, 1758)	ben, crr, grz, sgr	0–37	North Carolina to Brazil	entire	118, 400, 653, 777, 837 <sup>106</sup>
<i>Propustularia surinamensis</i> (G. Perry, 1811)	ben, grz	7–780	East Florida to Brazil	se	9, 45, 203, 400
<b>Family: Ovulidae</b>					
<i>Cybovula acicularis</i> (Lamarck, 1811)	ben, car, ofb	0.3–60	North Carolina to Brazil	se, nw	108, 497, 800
<i>Cyphoma aureocinctum</i> (Dall, 1889)	ben, car	123–128	Bermuda to Cuba; E. Atlantic	ese, ene	108, 178
<i>Cyphoma gibbosum</i> (Linnaeus, 1758)	ben, car, crr	0–29	North Carolina to Brazil	entire	22, 108, 118, 275, 837 <sup>107</sup>
<i>Cyphoma lindae</i> Petuch, 1987	ben, car	150	West Florida; East Florida	ne	368, 593
<i>Cyphoma mcgintyi</i> Pilsbry, 1939	ben, car, ofb	0.8–96	North Carolina to Virgin Islands	entire	71, 266, 497, 800, 837
<i>Cyphoma rhomba</i> Cate, 1978	ben, car	18–72	East Florida to Campeche Bank	entire	112, 368 <sup>108</sup>
<i>Cyphoma sedlaki</i> Cate, 1976	ben, car	1.5	Florida Keys to Puerto Rico	se	110
<i>Cyphoma signatum</i> Pilsbry & McGinty, 1939	ben, car	0.3–90	East Florida to Brazil; Bermuda	se, ne	9, 278, 368, 606
<i>Neosimnia advena</i> Cate, 1978	ben, car, end		Florida Keys	ese	112, 368, 803
<i>Neosimnia bijuri</i> Cate, 1976	ben, car	48	Florida Keys to Brazil	ese	109, 803 <sup>109</sup>
<i>Pedicularia decussata</i> Gould, 1855	ben, car	49–1170	East Florida to Brazil; Bermuda	se, ne	87, 175, 178 <sup>110</sup>
<i>Phenacovolva piragua</i> (Dall, 1889)	ben, car	42–100	North Carolina to Jamaica	nnw	108 <sup>111</sup>
<i>Pseudocyphoma abbotti</i> (Cate, 1973)	ben, car, end		Texas	wnw	108, 368 <sup>112</sup>
<i>Pseudocyphoma gibbulum</i> Cate, 1978	ben, car, end	18	Dry Tortugas	ese	112
<i>Pseudocyphoma intermedium</i> (Sowerby I, 1828)	ben, car, hsb	0–128	East Florida to Brazil; Bermuda	nw, sw	23, 103, 108, 497 <sup>113</sup>
<i>Pseudosimnia vanhyningi</i> (M. Smith, 1940)	ben, car, ofb	46–183	East Florida to Brazil	se, ne, nw	108, 267, 368, 801 <sup>114</sup>
<i>Simnialena uniplicata</i> (Sowerby II, 1849)	ben, car	1–116	Virginia to Brazil	se, ne, nw	23, 70, 266, 283, 575 <sup>115</sup>
<b>Superfamily: Velutinoidea</b>					
<b>Family: Triviidae</b>					
<i>Cleotrivia antillarum</i> (Schilder, 1922)	ben, car, ofb	9–525	North Carolina to Brazil	entire	116 113, 251, 497, 655, 803
<i>Cleotrivia candidula</i> (Gaskoin, 1836)	ben, car, ofb	3–780	North Carolina to Brazil; E. Atlantic	entire	113, 205, 497, 786, 801 <sup>117</sup>

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Cleotrivia leucosphaera</i> (Schilder, 1931)	ben, car	0	East Florida to Barbados	ne, sw	113, 239
<i>Hespererato maugeriae</i> (Gray, 1832)	ben, car, ofb	1.5–120	North Carolina to Brazil	entire	111, 413, 497, 577, 837
<i>Niveria nix</i> (Schilder, 1922)	ben, car	5–116	North Carolina to Brazil	se, ne, sw	113, 240 <sup>118</sup>
<i>Niveria quadripunctata</i> (Gray, 1827)	ben, car, hsb, sgr	0–51	East Florida to Venezuela; Bermuda	se, ne, sw	113, 278, 302, 654, 837 <sup>119</sup>
<i>Niveria suffusa</i> (Gray, 1827)	ben, car, crr, ofb	0–525	East Florida to Brazil	entire	23, 113, 182, 278, 837
<i>Pusula maltbiana</i> (Schwengel & McGinty, 1942)	ben, car	2–93	North Carolina to Brazil	entire	113, 205, 266, 497, 722 <sup>120</sup>
<i>Pusula pediculus</i> (Linnaeus, 1758)	ben, car, hsb	0–129	North Carolina to Brazil	entire	240, 278, 497, 577, 837
<b>Family: Velutinidae</b>					
<i>Lamellaria koto</i> Schwengel, 1944	ben, car, end	0	West Florida	ene	91, 720
<i>Lamellaria leucosphaera</i> Schwengel, 1942	ben, car, hsb	1–11	East Florida to Virgin Islands	ne	9, 410, 434, 718
<i>Lamellaria perspicua</i> (Linnaeus, 1758)	ben, car, hsb, sgr	0–211	East Florida to Tierra del Fuego; E. Atlantic	se, ne	410, 436, 726, 860
<i>Marsenina globosa</i> L. Perry, 1939	ben, car, end		West Florida	ene	586
<b>Superfamily: Naticoidea</b>					
<b>Family: Naticidae</b>					
<i>Euspira fringilla</i> (Dall, 1881)	ben, car, sft	538–1536	Yucatan Strait to Brazil	se	175, 178, 337 <sup>121</sup>
<i>Haliotinella patinaria</i> Guppy, 1876	ben, car, crr, sft	24–80	East Florida to Lesser Antilles	se, nw	31, 349, 398
<i>Natica castrensis</i> (Dall, 1889)	ben, car, sft	49–256	Texas to Barbados	se, nw	178, 266, 500 <sup>122</sup>
<i>Natica guesti</i> Harasewych & Jensen, 1984	ben, car, sft	165–421	Bermuda to Barbados	ne, sw	291 <sup>123</sup>
<i>Natica livida</i> Pfeiffer, 1840	ben, car, sft	0–65	Bermuda to Brazil; E. Atlantic	se, sw	278, 302, 654, 799, 837
<i>Natica marochiensis</i> (Gmelin, 1791)	ben, car, sft	0–94	East Florida to Brazil; E. Atlantic	entire	266, 500, 700, 837
<i>Natica perlineata</i> Dall, 1889	ben, car, sft	69–419	Louisiana to Barbados	entire	178, 801 <sup>124</sup>
<i>Natica tedbayeri</i> Rehder, 1986	ben, car, sft	0–50	East Florida to Brazil	se	240, 700, 773 <sup>125</sup>
<i>Naticarius canrena</i> (Linnaeus, 1758)	ben, car, ofb, sft	0–101	North Carolina to Brazil	entire	23, 104, 240, 799, 837 <sup>126</sup>
<i>Neverita delessertiana</i> (Récluz, 1843)	ben, car, sft	0	East Florida to Veracruz	entire	321 <sup>127</sup>
<i>Neverita duplicata</i> (Say, 1822)	ben, car, ofb, sft	0–58	Massachusetts to Honduras	entire	23, 118, 800, 837 <sup>128</sup>
<i>Polinices hepaticus</i> (Röding, 1798)	ben, car, est, sft	0–55	East Florida to Brazil	se, nw, sw	22, 23, 240, 799
<i>Polinices lacteus</i> (Guilding, 1834)	ben, car, crr, sft	0–120	Bermuda to Brazil; E. Atlantic	entire	118, 240, 266, 500, 837
<i>Polinices leptaleus</i> (Watson, 1881)	ben, car, sft	538–1170	Georgia to Lesser Antilles	se	178
<i>Polinices nubilus</i> (Dall, 1889)	ben, car, sft	40–347	Cuba to Barbados	se	178
<i>Polinices uberinus</i> (d'Orbigny, 1842)	ben, car, sft	27–183	East Florida to Brazil; E. Atlantic	se, ne	205, 574
<i>Sigatica carolinensis</i> (Dall, 1889)	ben, car, sft	11–227	North Carolina to West Florida	se, ne	260 <sup>129</sup>
<i>Sigatica semisulcata</i> (Gray, 1839)	ben, car, sft	0–60	North Carolina to Colombia; Virgin Islands	se, ne, nw	8, 104, 442, 730, 734 <sup>130</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Sinum maculatum</i> (Say, 1831)	ben, car, sft	0.3–70	North Carolina to Brazil	ne, nw, sw	23, 278, 283, 837
<i>Sinum minus</i> (Dall, 1889)	ben, car, ofb	64–154	East Florida to Campeche Bank	entire	178, 266, 337, 500, 801 <sup>131</sup>
<i>Sinum perspectivum</i> (Say, 1831)	ben, car, ofb, sft	0–70	New Jersey to Brazil	entire	23, 278, 588, 800, 837 <sup>31</sup>
<i>Stigmaulax cancellatus</i> (Hermann, 1781)	ben, car, sft	35–70	Cuba to Brazil	se	240
<i>Stigmaulax cayennensis</i> (Récluz, 1850)	ben, car, sft	0–80	Campeche to Brazil	se, sw	22, 240, 700, 773, 837
<i>Stigmaulax sulcatus</i> (Born, 1778)	ben, car, sft	0–44	East Florida to Venezuela	se, sw	22, 205, 655
<i>Tectonatica pusilla</i> (Say, 1822)	ben, car, ofb, sft	0–130	Maine to Brazil	entire	23, 118, 269, 575, 837
<b>Superfamily: Tonnoidea</b>					
<b>Family: Bursidae</b>					
<i>Bufo naria bufo</i> (Bruguière, 1792)	ben, car, hsb	0–100	North Carolina to Brazil	se	169, 240 <sup>132</sup>
<i>Bursa corrugata</i> (G. Perry, 1811)	ben, car, hsb	2–137	Bermuda to Brazil; E. Atlantic	se, nw	240, 268, 774, 837
<i>Bursa granularis</i> (Röding, 1798)	ben, car, hsb, ofb	0–256	East Florida to Brazil	entire	57, 169, 260, 499, 799 <sup>133</sup>
<i>Bursa grayana</i> Dunker, 1862	ben, car, crr, hsb	0–93	Florida Keys to Brazil	se	56, 242 <sup>134</sup>
<i>Bursa natalensis</i> Coelho & Matthews, 1970	ben, car, hsb	40–780	Cuba to Brazil	se	54
<i>Bursa ranelloides tenuisculpta</i> Dautzenberg & Fischer, 1906	ben, car, hsb	30–250	East Florida to Brazil	se	447, 774 <sup>135</sup>
<i>Bursa rhodostoma thomae</i> (d'Orbigny, 1847)	ben, car, crr, ofb	0–250	North Carolina to Brazil; E. Atlantic	entire	57, 240, 398, 499, 799
<b>Family: Cassidae</b>					
<i>Casmaria atlantica</i> Clench, 1944	ben, car	7–30	East Florida to Brazil; Bermuda	se	127, 837
<i>Cassis flammea</i> (Linnaeus, 1758)	ben, car, sft, sgr	1–12	East Florida to Barbados; Bermuda	se, nw, sw	127, 278, 398, 653, 837
<i>Cassis madagascariensis</i> Lamarck, 1822	ben, car, sft, sgr	3–183	North Carolina to Barbados	se, ne, sw	91, 127, 278, 803, 837 <sup>136</sup>
<i>Cassis tuberosa</i> (Linnaeus, 1758)	ben, car, sft, sgr	0–27	North Carolina to Brazil	se, ne, sw	127, 240, 278, 837
<i>Cypraecassis testiculus</i> (Linnaeus, 1758)	ben, car, ofb, sft	0–60	North Carolina to Brazil	entire	23, 118, 135, 275, 837
<i>Echinophoria coronadoi</i> (Crosse, 1867)	ben, car	33–234	North Carolina to Venezuela	se	25, 127
<i>Oocorys barbouri</i> Clench & Aguayo, 1939	ben, car	238–1829	Florida Keys to Cuba	se	738, 752, 804
<i>Oocorys bartschi</i> Rehder, 1943	ben, car	128–900	East Florida to Texas	se, ne, nw	352, 500, 578, 645, 804 <sup>31</sup>
<i>Oocorys sulcata</i> P. Fischer, 1883	ben, car, sft	161–5073	NJ to Venezuela; E. Atlantic	entire	45, 178, 190, 578, 804 <sup>137</sup>
<i>Sconsia striata</i> (Lamarck, 1816)	ben, car, sft	27–640	Bermuda to Brazil	se, ne, nw	266, 499, 578, 738, 752
<i>Semicassis cicatricosa</i> (Gmelin, 1791)	ben, car, sft	0–6	East Florida to Brazil; Bermuda	se, nw, sw	91, 118, 127, 499, 799
<i>Semicassis granulata</i> (Born, 1778)	ben, car, ofb, sft	0–183	North Carolina to Uruguay	entire	22, 23, 118, 800, 837

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Personidae</b>					
<i>Distorsio clathrata</i> (Lamarck, 1816)	ben, car, ofb	0–300	North Carolina to Brazil; E. Atlantic	entire	23, 118, 381, 738, 837
<i>Distorsio constricta mcgintyi</i> Emerson & Puffer, 1953	ben, car	25–274	North Carolina to Brazil	entire	152, 266, 381, 497, 738
<i>Distorsio perdistorta</i> Fulton, 1938	ben, car	72–282	Bermuda to Brazil; E. Atlantic	entire	268, 340, 381, 392, 775 <sup>138</sup>
<b>Family: Ranellidae</b>					
<i>Charonia variegata</i> (Lamarck, 1816)	ben, car, crr, hsb	0.3–110	North Carolina to Brazil	entire	152, 266, 472, 499, 837
<i>Cymatium aquatile</i> (Reeve, 1844)	ben, car, hsb	0–27	Bahamas to Brazil; circumtr.	se, nw	59, 340, 500 <sup>139</sup>
<i>Cymatium cingulatum</i> (Lamarck, 1822)	ben, car	0–382	Virginia to Brazil	entire	23, 278, 373, 499, 837
<i>Cymatium comptum</i> (A. Adams, 1855)	ben, car, sgr	2–214	North Carolina to Brazil	se, ne, sw	55, 57, 254, 654 <sup>140</sup>
<i>Cymatium cynocephalum</i> (Lamarck, 1816)	ben, car, sft, sgr	0–137	South Carolina to Brazil; Bermuda	se, ne, sw	91, 118, 152, 278, 776 <sup>141</sup>
<i>Cymatium femorale</i> (Linnaeus, 1758)	ben, car, sft, sgr	0.6–150	East Florida to Brazil; Bermuda	se, ne, sw	91, 152, 240, 373, 837
<i>Cymatium krebsii</i> (Mörch, 1877)	ben, car	2–146	North Carolina to Brazil; E. Atlantic	entire	278, 373, 500, 738, 837 <sup>142</sup>
<i>Cymatium labiosum</i> (W. Wood, 1828)	ben, car, hsb	0.2–91	North Carolina to Brazil; E. Atlantic	entire	266, 278, 481, 799, 837 <sup>143</sup>
<i>Cymatium martinianum</i> (d'Orbigny, 1847)	ben, car, crr, ofb	0–27	Bermuda to Brazil; E. Atlantic	entire	59, 500 <sup>144</sup>
<i>Cymatium mundum</i> (Gould, 1849)	ben, car	149–185	East Florida to Florida Strait; Pacific	se	199, 598
<i>Cymatium muricinum</i> (Röding, 1798)	ben, car, ofb, sgr	0–27	East Florida to Brazil; Bermuda	se, nw, sw	23, 118, 152, 373, 500
<i>Cymatium nicobaricum</i> (Röding, 1798)	ben, car, ofb, sgr	0–36	Bermuda to Brazil; E. Atlantic	se, nw, sw	118, 152, 240, 500, 837
<i>Cymatium occidentale</i> (Mörch, 1877)	ben, car, hsb	0–128	East Florida to Brazil; E. Atlantic	se, nw	23, 205, 266, 497, 500 <sup>145</sup>
<i>Cymatium parthenopeum</i> (von Salis, 1793)	ben, car, ofb	0–75	North Carolina to Uruguay; circumtr.	entire	23, 152, 254, 500, 837
<i>Cymatium pfeifferianum</i> (Reeve, 1844)	ben, car	0–46	West Florida to Brazil	ne	57, 598
<i>Cymatium pharcidum</i> (Dall, 1889)	ben, car	46–220	Bermuda to Barbados; E. Atlantic	se, ne	57 <sup>146</sup>
<i>Cymatium raderi</i> D'Attilio & Myers, 1984	ben, car	21–27	Dry Tortugas to Brazil	se	188
<i>Cymatium rehderi</i> A. H. Verrill, 1950	ben, car, hsb	30–366	East Florida to Lesser Antilles	se, ne, sw	152, 260 <sup>147</sup>
<i>Cymatium tranquebaricum</i> (Lamarck, 1816)	ben, car	0	Texas to Venezuela; E. Atlantic	se, nw	254, 371
<i>Cymatium vespaceum</i> (Lamarck, 1822)	ben, car	4.5	East Florida to Lesser Antilles	se, sw	57, 254, 598 <sup>148</sup>
<i>Ranella gemmifera</i> (Euthyme, 1889)	ben, car	0–70	Cuba to Brazil; South Africa	se	244

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Tonniidae</b>					
<i>Eudolium bairdii</i> (Verrill & Smith, 1881)	ben, car, sft	17–823	New Jersey to Colombia; E. Atlantic	se	438
<i>Eudolium crosseanum</i> (Monterosato, 1869)	ben, car, sft	17–914	North Carolina to Colombia; E. Atlantic	se, ne	205, 438, 752
<i>Tonna galea</i> (Linnaeus, 1758)	ben, car, sft	0–2359	North Carolina to Argentina	entire	22, 23, 738, 799, 837
<i>Tonna pennata</i> (Mörch, 1852)	ben, car, sft, sgr	0–13	Bermuda to Brazil; E. Atlantic	entire	22, 118, 240, 398, 804 <sup>149</sup>
<b>Superfamily: Ficoidea</b>					
<b>Family: Ficidae</b>					
<i>Ficus communis</i> Röding, 1798	ben, car, sft	0–176	North Carolina to Venezuela	se, ne, sw	125, 588, 738, 837
<b>Superfamily: Pterotracheoidea</b>					
<b>Family: Atlantidae</b>					
<i>Atlanta brunnea</i> Gray, 1850	car, plg	0–100	Bermuda to Puerto Rico; circumtr.	entire	104, 497, 787, 813 <sup>150</sup>
<i>Atlanta helicinoidea</i> Gray, 1850	car, plg	0–100	Bermuda to Caribbean; circumtr.	entire	497, 787 <sup>151</sup>
<i>Atlanta inclinata</i> Gray, 1850	car, plg	0–200	Bermuda to Venezuela; circumtr.	entire	497, 787
<i>Atlanta lesueurii</i> Gray, 1850	car, plg	0–200	Bermuda to Brazil; circumtr.	entire	787
<i>Atlanta peronii</i> Lesueur, 1817	car, plg	0–50	Georges Bank to Brazil; circumtr.	entire	497, 655, 787, 799, 813
<i>Atlanta quoyii</i> Gray, 1850	car, plg	0–25	Bermuda to GMx; circumtr.	entire	497, 787 <sup>152</sup>
<i>Oxygyrus keraudrenii</i> (Lesueur, 1817)	car, plg	0–35	Massachusetts to Brazil; circumtr.	[entire]	442, 787
<i>Protatlanta souleyeti</i> (E. A. Smith, 1888)	car, plg	0–300	Massachusetts to Brazil; circumtr.	entire	497, 787, 813
<b>Family: Carinariidae</b>					
<i>Cardiapoda placenta</i> (Lesson, 1831)	car, plg	0–200	Bermuda to Venezuela; circumtr.	[entire]	107, 656, 787, 813
<i>Carinaria lamarckii</i> Blainville, 1817	car, plg	0–675	Bermuda to Venezuela; circumtr.	[entire]	9, 787, 813
<b>Family: Pterotracheidae</b>					
<i>Firoloida desmarestia</i> Lesueur, 1817	car, plg	0–100	Bermuda to Brazil; E. Atlantic	entire	107, 656, 787
<i>Pterotrachea coronata</i> Forskål, 1775	car, plg	0–400	Bermuda to Brazil; circumtr.	entire	107, 787
<i>Pterotrachea hippocampus</i> Philippi, 1836	car, plg	0–330	Bermuda to Camp. Bay; circumtr.	entire	107, 787 <sup>153</sup>
<i>Pterotrachea scutata</i> Gegenbaur, 1855	car, plg	0–400	Bermuda to Brazil; circumtr.	[entire]	656, 787, 813
<b>“Order” Ptenoglossa</b>					
<b>Superfamily: Epitonioidae</b>					
<b>Family: Epitoniidae</b>					
<i>Alexania floridana</i> (Pilsbry, 1945)	ben, car, sft	0–21	East Florida to Panama; E. Pacific	nw	663
<i>Amaea mitchelli</i> (Dall, 1896)	ben, car, ofb	0–55	Texas to Surinam	nw, sw	23, 147, 497, 800, 837
<i>Amaea retifera</i> (Dall, 1889)	ben, car, sft	15–219	North Carolina to Brazil	entire	147, 266, 497, 655, 746



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Cirsotrema dalli</i> Rehder, 1945	ben, car, sft	0.3–227	North Carolina to Brazil	entire	147, 351, 497 <sup>154</sup>
<i>Cirsotrema pilsbryi</i> (McGinty, 1940)	ben, car, sft	99–165	East Florida to Brazil	se, nw	147, 268, 746
<i>Cycloscala echinaticosta</i> (d'Orbigny, 1842)	ben, car, sft	0–366	North Carolina to Brazil	se, ne, nw	148, 258, 746, 837 <sup>155</sup>
<i>Cylindriscala andrewsii</i> (A. E. Verrill, 1882)	ben, car, sft	165–914	New Jersey to Brazil	se, sw	150, 497 <sup>156</sup>
<i>Cylindriscala rosenbergi</i> García, 2005	ben, car, end, sft	490–400	Alabama	nne	261
<i>Depressiscala nautlae</i> (Mörch, 1875)	ben, car, sft	6–121	North Carolina to Brazil	entire	23, 178, 208, 410, 442 <sup>157</sup>
<i>Depressiscala nitidella</i> (Dall, 1889)	ben, car, sft	12–165	North Carolina to Brazil	se, ne	178, 351
<i>Eccliseogyra formosissima</i> (Jeffreys, 1884)	ben, car, hcs, sft	555–1682	Louisiana to West Florida, E. Atlantic	ne, nw	257, 266, 578
<i>Eccliseogyra nitida</i> (Verrill & Smith, 1885)	ben, car, sft	549–4693	Maryland to Brazil; E. Atlantic	se, ne	45, 149, 578 <sup>158</sup>
<i>Eccliseogyra performosa</i> (de Boury, 1917)	ben, car, sft	219–1818	Alabama to East Florida	se, ne	85, 857 <sup>159</sup>
<i>Eccliseogyra pyrrias</i> (Watson, 1886)	ben, car, sft	713–788	West Florida to Puerto Rico	ne	578
<i>Epitonium albidum</i> (d'Orbigny, 1842)	ben, car, sft	0–366	North Carolina to Uruguay	se, nw, sw	23, 148, 240, 278, 837
<i>Epitonium angulatum</i> (Say, 1831)	ben, car, sft	0–219	Connecticut to Uruguay	entire	9, 23, 148, 497, 837 <sup>31</sup>
<i>Epitonium apiculatum</i> (Dall, 1889)	ben, car, ofb, sft	1–90	North Carolina to Venezuela	entire	103, 192, 486, 800, 837 <sup>160</sup>
<i>Epitonium blainei</i> Clench & Turner, 1953	ben, car, sft	40–293	East Florida to Florida Keys	se, ne	150, 746, 857
<i>Epitonium candeanum</i> (d'Orbigny, 1842)	ben, car, ofb, sft	0–805	North Carolina to Uruguay	entire	118, 149, 800, 801, 837
<i>Epitonium celesti</i> (Aradas, 1854)	ben, car, sft	146–640	New Jersey to Barbados	se, ne	149 <sup>161</sup>
<i>Epitonium championi</i> Clench & Turner, 1952	ben, car, sft	0–244	Massachusetts to Texas	ene, nw	149, 266, 386 <sup>162</sup>
<i>Epitonium denticulatum</i> (Sowerby II, 1844)	ben, car, sft	0–1472	East Florida to Brazil	se, ne	149
<i>Epitonium foliaceicosta</i> (d'Orbigny, 1842)	ben, car, sft	0–219	East Florida to Brazil	entire	148, 278, 497, 746, 837
<i>Epitonium fractum</i> Dall, 1927	ben, car, sft	64–594	Georgia to Alabama	se, ne	9, 149, 857 <sup>163</sup>
<i>Epitonium frielei</i> (Dall, 1889)	ben, car, sft	91–2941	North Carolina to Brazil	se, nw	178, 497, 857
<i>Epitonium humphreysii</i> (Kiener, 1838)	ben, car, sft	0–95	Massachusetts to Brazil	entire	148, 269, 497, 837
<i>Epitonium krebsii</i> (Mörch, 1875)	ben, car, sft	0–294	North Carolina to Brazil	entire	148, 266, 410, 497, 837
<i>Epitonium lamellosum</i> (Lamarck, 1822)	ben, car, sgr	0–60	North Carolina to Brazil; circumtr.	entire	118, 148, 240, 539, 837 <sup>31</sup>
<i>Epitonium matthewsae</i> Clench & Turner, 1952	ben, car, sft	11–219	West Florida, East Florida	ne	149, 283, 351, 410, 857
<i>Epitonium multistriatum</i> (Say, 1826)	ben, car, ofb, sft	2.5–219	Massachusetts to Brazil	entire	23, 149, 799, 800, 837
<i>Epitonium novangliae</i> (Couthouy, 1838)	ben, car, sft	0–457	Virginia to Brazil	entire	23, 149, 283, 497, 837

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Epitonium occidentale</i> (Nyst, 1871)	ben, car, sft	0–270	East Florida to Brazil; Bermuda	se, ne	148, 410, 857
<i>Epitonium polacia</i> (Dall, 1889)	ben, car, end	65–419	Texas to Florida Keys	ese, nnw	149, 178, 251, 351, 746
<i>Epitonium rupicola</i> (Kurtz, 1860)	ben, car, sgr	0–65	Massachusetts to Colombia	ne, nw, sw	23, 105, 271, 283, 837
<i>Epitonium sericifila</i> (Dall, 1889)	ben, car, sft	0–7	Texas to Colombia	nw	23, 102, 351, 805, 857
<i>Epitonium striatissimum</i> (Monterosato, 1878)	ben, car, sft	69–183	North Carolina to Campeche Bank; E. Atlantic	se, ne, sw	85, 746, 857 <sup>164</sup>
<i>Epitonium tollini</i> Bartsch, 1938	ben, car, sft	0	West Florida to Cuba	se, ne, nw	159, 283, 351, 575
<i>Epitonium unifasciatum</i> (Sowerby II, 1844)	ben, car, sft	0–9	East Florida to Uruguay	se, ne, nw	148, 538, 746
<i>Epitonium worsfoldi</i> Robertson, 1994	ben, car, sft	1	Bahamas to Virgin Ids.; Panama	se	662
<i>Epitonium xenicima</i> (Melville & Standen, 1903)	ben, car, sft	0–25	East Florida to Brazil	nw	193, 262
<i>Gregorioiscala pachya</i> (Locard, 1897)	ben, car, sft	960–600	Louisiana; E. Atlantic	nw	264
<i>Iphitus robertsi</i> Sabelli & Taviani, 1997	ben, car, end	184	Louisiana	nw	697, 857
<i>Opalia abbotti</i> Clench & Turner, 1952	ben, car, ofb	64–704	East Florida to Cuba; E. Atlantic	se, ne, nw	268, 497, 801 <sup>165</sup>
<i>Opalia aurifila</i> (Dall, 1889)	ben, car, sft	91–311	North Carolina to Lesser Antilles	se, ne, sw	147 <sup>166</sup>
<i>Opalia burryi</i> Clench & Turner, 1950	ben, car, sft	30–168	North Carolina to Colombia; Virgin Islands	nw	147, 497
<i>Opalia crenata</i> (Linnaeus, 1758)	ben, car, sft	0.3–82	East Florida to Brazil; E. Atlantic	se	147, 240, 746
<i>Opalia eolis</i> Clench & Turner, 1950	ben, car, sft	60–238	East Florida to Barbados	se, sw	147, 746 <sup>167</sup>
<i>Opalia hotessieriana</i> (d'Orbigny, 1842)	ben, car, sft	0–165	East Florida to Brazil; Bermuda	se, ne	147
<i>Opalia morchiana</i> (Dall, 1889)	ben, car, sft	12–183	North Carolina to Barbados	se, ne, sw	147, 208, 837 <sup>168</sup>
<i>Opalia pumilio</i> (Mörch, 1875)	ben, car, sft	0–183	North Carolina to Brazil	entire	253, 266, 410, 655, 857 <sup>169</sup>
<i>Opaliopsis atlantis</i> (Clench & Turner, 1952)	ben, car, sft	115–485	East Florida to Cuba; E. Atlantic	se, nw	85, 149, 801, 857
<i>Opaliopsis canium</i> (Dall, 1927)	ben, car, sft	274–805	Georgia to Florida Keys	se	149, 351
<i>Opaliopsis concava</i> (Dall, 1889)	ben, car, end	27–165	Florida Keys	ese	178, 351, 746, 857
<i>Opaliopsis opalina</i> (Dall, 1927)	ben, car, sft	538–1256	Georgia to Lesser Antilles	se	746
<i>Opaliopsis rabalaisi</i> García, 2005	ben, car, end	490–400	Alabama	nne	261
<i>Sthenorytis pernobilis</i> (Fischer & Bernardi, 1857)	ben, car, sft	91–1472	North Carolina to Barbados	se, ne	35, 147, 178, 443 <sup>170</sup>
<b>Family: Janthinidae</b>					
<i>Janthina exigua</i> Lamarck, 1816	car, plg	0	Florida Keys to Brazil; circumtr.	[entire]	383, 837 <sup>171</sup>
<i>Janthina globosa</i> Swainson, 1822	car, plg	0–13	North Carolina to Brazil; circumtr.	[entire]	22, 23, 240, 383, 537 <sup>172</sup>
<i>Janthina janthina</i> (Linnaeus, 1758)	car, plg	0	Mass. to Uruguay; circumtr.	entire	23, 118, 240, 383, 837

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Janthina pallida</i> W. Thompson, 1840	car, plg	0	Bermuda to Brazil; circumtr.	[entire]	23, 383, 497, 737
<i>Janthina umbilicata</i> d'Orbigny, 1841	car, plg	0	Bahamas to Brazil; circumtr.	[entire]	737
<i>Recluzia rollandiana</i> Petit, 1853	car, plg	0	East Florida to Brazil; Indo-Pacific	[entire]	23, 72, 537, 837 <sup>173</sup>
<b>Superfamily: Eulimoidea</b>					
<b>Family: Aclididae</b>					174
<i>Turritellopsis floridana</i> Dall, 1927	ben, par	309–538	Georgia to West Florida	ne	187, 845 <sup>175</sup>
<i>Aclis eolis</i> Bartsch, 1947	ben, end, par	119–174	Florida Keys	ese	38
<i>Aclis hendersoni</i> Dall, 1927	ben, par	9–805	Georgia to Texas	ne, nw	508
<i>Graphis underwoodae</i> Bartsch, 1947	ben, crr, ofb, par	0–305	Bermuda to Brazil	ne, nw	23, 31, 38, 101, 508 <sup>176</sup>
<b>Family: Eulimidae</b>					
<i>Costaclis mizon</i> (Watson, 1881)	ben, par	1189–1097	West Florida; Eastern Atlantic	ne	578
<i>Ersilia stancyki</i> Warén, 1980	ben, end, par		West Florida	ne	842
<i>Eulima auricincta</i> (Abbott, 1958)	ben, crr, ofb, par	0–183	North Carolina to Argentina	entire	266, 516, 700, 799, 837
<i>Eulima bifasciata</i> d'Orbigny, 1841	ben, crr, ofb, par	0–84	East Florida to Brazil	entire	266, 283, 542, 800, 837
<i>Eulima fulvocincta</i> C. B. Adams, 1850	ben, par	0–115	North Carolina to Virgin Islands; Panama	se, ne	404
<i>Eulima fusus</i> Dall, 1889	ben, par	110–1170	Georgia to Cuba	se, nw	178, 516
<i>Eulima patula</i> Dall & Simpson, 1901	ben, ofb, par	4–805	Georgia to Puerto Rico	nw	516, 577
<i>Eulimostraca encalada</i> Espinosa, Ortea, & Magaña, 2006	ben, par	8–60	Bahamas to Costa Rica	se	229
<i>Eulimostraca subcarinata</i> (d'Orbigny, 1841)	ben, par	0–192	North Carolina to Argentina	se, ne, nw	405, 516
<i>Melanella atypha</i> (Verrill & Bush, 1900)	ben, par		Bermuda to ABC Islands	ne	390
<i>Melanella conoidea</i> (Kurtz & Stimpson, 1851)	ben, ofb, par, sgr	0–538	North Carolina to Uruguay	entire	271, 516, 556, 800, 837
<i>Melanella eulimoides</i> (C. B. Adams, 1850)	ben, par	0.6–94	North Carolina to Brazil	ne, nw	404, 497, 516 <sup>177</sup>
<i>Melanella gracilis</i> (C. B. Adams, 1850)	ben, par		North Carolina to Colombia; Virgin Islands	se, sw	837
<i>Melanella hypsela</i> (Verrill & Bush, 1900)	ben, par	15–525	East Florida to Brazil; Bermuda	se, ne, nw	240, 266, 516, 605
<i>Melanella jamaicensis</i> (C. B. Adams, 1845)	ben, ofb, par, sgr	0–366	Virginia to Brazil	entire	105, 192, 542, 801, 837
<i>Melanella marviva</i> Espinosa, Ortea, & Magaña, 2006	ben, par	2–18	Cuba to Costa Rica	se	229
<i>Microeulima hemphillii</i> (Dall, 1884)	ben, par	0–48	East Florida to Texas	ne, nw	176, 283, 456, 516, 844
<i>Nanobalcis worsfoldi</i> Warén, 1990	ben, par	0–73	Bahamas to Lesser Antilles	ne	849
<i>Niso aeglees</i> Bush, 1885	ben, ofb, par, sgr	0–260	North Carolina to Brazil	entire	23, 574, 800, 801, 837 <sup>178</sup>
<i>Niso hendersoni</i> Bartsch, 1953	ben, par	27–203	North Carolina to Lesser Antilles	ne, nw, sw	39, 91, 260, 266 <sup>179</sup>
<i>Niso lomana</i> Bartsch, 1917	ben, par	110–256	Texas; Eastern Pacific	nw	516 <sup>180</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Oceanida graduata</i> Folin, 1871	ben, par	0–122	East Florida to Brazil; E. Atlantic	se	837 <sup>181</sup>
<i>Oceanida inglei</i> Lyons, 1978	ben, par	6–38	North Carolina to West Florida	ne	407, 410
<i>Polygireulima amblytera</i> (Verrill & Bush, 1900)	ben, par		Bermuda to Colombia	se, ne	182
<i>Sabinella troglodytes</i> (Thiele, 1925)	ben, ofb, par	1–46	Bermuda to ABC Islands; E. Atlantic	se, nw	322, 710 <sup>183</sup>
<i>Scalenostoma subulatum</i> (Broderip, 1832)	ben, crr, par	0–91	Flower Garden to Brazil; circumtr.	se, nw	398
<i>Vitreolina alayoi</i> (Espinosa, Ortea, & Magaña, 2001)	ben, end, par	30	NW Cuba	ese	228
<i>Vitreolina arcuata</i> (C. B. Adams, 1850)	ben, par	0–166	North Carolina to Brazil	entire	266, 516, 577, 605, 837
<i>Vitreolina bermudezi</i> (Pilsbry & Aguayo, 1933)	ben, par, sft, sgr		Cuba to Lesser Antilles	se	605
<i>Vitreolina conica</i> (C. B. Adams, 1850)	ben, par		West Florida to Colombia	ne	390, 404
<i>Vitreolina maracuya</i> (Espinosa, Ortea, & Magaña, 2001)	ben, end, par	30	NW Cuba	ese	228
<b>Superfamily: Triphoroidea</b>					
<b>Family: Cerithiopsidae</b>					
<i>Cerithiella martensii</i> (Dall, 1889)	ben, car	419–2160	Georgia to Florida Keys	ese	178 <sup>184</sup>
<i>Cerithiopsis academicorum</i> Rolán & Espinosa, 1996	ben, car, svg	1–40	Bahamas to Cuba	se, ne	376, 671
<i>Cerithiopsis albovittata</i> (C. B. Adams, 1850)	ben, car, hsb	11–101	East Florida to Lesser Antilles	se, nw	267, 410, 673
<i>Cerithiopsis ara</i> Dall & Bartsch, 1911	ben, car	24–55	Bermuda to Virgin Islands	nw	518
<i>Cerithiopsis aralia</i> Olsson & Harbison, 1953	ben, car, end	15–101	Texas	nw	518
<i>Cerithiopsis benetoi</i> Rolán, Espinosa, & Fernández-Garcés 2007	ben, car	45	NW Cuba to Nicaragua	se	673
<i>Cerithiopsis cruzana</i> Usticke, 1959	ben, car	4–101	Texas to Lesser Antilles	se, nw	518, 673
<i>Cerithiopsis dominguezi</i> Rolán & Espinosa, 1996	ben, car	2–56	Cuba	se	671
<i>Cerithiopsis familiarum</i> Rolán, Espinosa, & Fernández-Garcés 2007	ben, car	45–50	NW Cuba to South Cuba	se	673
<i>Cerithiopsis flava</i> (C. B. Adams, 1850)	ben, car, hsb, svg	11–101	East Florida to Virgin Islands	se, ne, nw	266, 410, 518, 577, 673
<i>Cerithiopsis floridana</i> Dall, 1892	ben, car		East Florida to Florida Keys	se	183
<i>Cerithiopsis fuscoflava</i> Rolán & Espinosa, 1996	ben, car, end	5	NW Cuba	ese	671
<i>Cerithiopsis fusiformis</i> (C. B. Adams, 1850)	ben, car	0–165	North Carolina to Colombia; Jamaica	entire	9, 267, 410, 518, 837 <sup>186</sup>
<i>Cerithiopsis gemmulosa</i> (C. B. Adams, 1850)	ben, car, crr	0–91	Texas to Brazil	se, ne, nw	31, 390, 518, 671
<i>Cerithiopsis greenii</i> (C. B. Adams, 1839)	ben, car, ofb, sgr	0–75	Canada to Uruguay	entire	23, 118, 271, 588, 837
<i>Cerithiopsis guitarti</i> Espinosa & Ortea, 2001	ben, car, end	20	NW Cuba	ese	215

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Cerithiopsis io</i> Dall & Bartsch, 1911	ben, car	4–45	East to West Florida; Bermuda	se, ne	413, 673
<i>Cerithiopsis iota</i> (C. B. Adams, 1845)	ben, car	7–115	North Carolina to ABC Islands	ne, nw	410, 518
<i>Cerithiopsis lata</i> (C. B. Adams, 1850)	ben, car, crr, ofb	0–44	North Carolina to Venezuela	se, nw, sw	31, 118, 410, 518, 673
<i>Cerithiopsis portoi</i> Rolán & Espinosa, 1996	ben, car	5–56	Cuba	se	671
<i>Cerithiopsis prieguei</i> Rolán & Espinosa, 1996	ben, car	2–42	Cuba	se	671
<i>Cerithiopsis pseudomovilla</i> Rolán & Espinosa, 1996	ben, car, hsb	0–20	Bahamas to Cuba	ese	671
<i>Cerithiopsis sigsbeana</i> Dall, 1881	ben, car, end	53–419	GMx to Cuba	se, ne, sw	175, 178 <sup>187</sup>
<i>Cerithiopsis vanhyningi</i> Bartsch, 1918	ben, car	15	West Florida to Cuba	se, ne	32, 671
<i>Cerithiopsis vicola</i> Dall & Bartsch, 1911	ben, car, hsb	4–20	Bermuda to Panama	se	377 <sup>188</sup>
<i>Cerithiopsis vinca</i> Olsson & Harbison, 1953	ben, car, end	0–4	Texas	nw	518
<i>Horologica pupa</i> (Dall & Simpson, 1901)	ben, car	0–101	North Carolina to ABC Islands	nnw	266, 518
<i>Retilaskya bicolor</i> (C. B. Adams, 1845)	ben, car, sft	0–65	North Carolina to Brazil	se, ne	385, 390, 410, 669 <sup>189</sup>
<i>Seila adamsii</i> (H. C. Lea, 1845)	ben, car, crr, ofb	0–104	Massachusetts to Uruguay	entire	23, 31, 269, 801, 837 <sup>190</sup>
<b>Family: Triphoridae</b>					
<i>Cheirodonta apexcrassum</i> Rolán & Fernández-Garcés, 1994	ben, car	7–10	Bahamas to Cuba	se	676
<i>Cheirodonta decollata</i> Rolán & Fernández-Garcés, 1994	ben, car, hsb	2–10	Cuba	se	676
<i>Cosmotriphora arnoldoi</i> Faber & Moolenbeek, 1991	ben, car	20–55	Bahamas to Lesser Antilles	nw, sw	236, 251, 267
<i>Cosmotriphora dupliniana</i> (Olsson, 1916)	ben, car	27–71	North Carolina to Louisiana	nnw	255, 267
<i>Cosmotriphora melanura</i> (C. B. Adams, 1850)	ben, car, crr, ofb	0.6–91	North Carolina to Brazil; E. Atlantic	entire	267, 272, 398, 655, 837
<i>Cosmotriphora oreodoxa</i> (Olsson & Harbison, 1953)	ben, car, end		Louisiana	nnw	255, 267
<i>Cosmotriphora ornata</i> (Deshayes, 1832)	ben, car	0–90	North Carolina to Brazil	se, nw	517, 837
<i>Eutriphora bermudensis</i> (Bartsch, 1911)	ben, car, hsb	4–56	Bermuda to Virgin Islands	se	677
<i>Inella longissima</i> (Dall, 1881)	ben, car	73–1040	North Carolina to Brazil	se, ne	175, 266
<i>Iniforis carmelae</i> Rolán & Fernández-Garcés, 1993	ben, car	5–45	Cuba	se	675
<i>Iniforis casta</i> (Hinds, 1843)	ben, car	5–20	Cuba to Lesser Antilles	ese	675
<i>Iniforis immaculata</i> Rolán & Fernández-Garcés, 1993	ben, car	4–45	North Cuba to South Cuba	ese	675
<i>Iniforis pseudothomae</i> Rolán & Fernández-Garcés, 1993	ben, car	5–45	North Cuba to South Cuba	ese	675

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Iniforis turrithomae</i> (Holten, 1802)	ben, car, hsb	0–101	North Carolina to Brazil	entire	31, 517, 577, 799, 837
<i>Isotriphora peetersae</i> (Moolenbeek & Faber, 1989)	ben, car	8–50	Cuba to Lesser Antilles	se	670
<i>Latitriphora albida</i> (A. Adams, 1854)	ben, car, hsb	0–29	Bahamas to Lesser Antilles	se, ne, sw	15 <sup>192</sup>
<i>Marshallora modesta</i> (C. B. Adams, 1850)	ben, car	1–20	W. Florida to Jamaica	se, ne, nw	23, 282, 379, 385 <sup>193</sup>
<i>Marshallora nichupte</i> Rolán & Cruz-Abrego, 1996	ben, car	1–2	Florida Keys to Quintana Roo	se	379 <sup>194</sup>
<i>Mesophora novem</i> (Usticke, 1969)	ben, car, crr	20–56	Louisiana to Lesser Antilles	nnw	253, 266, 267
<i>Metaxia espinosai</i> Rolán & Fernández-Garcés, 1992	ben, car	5–57	Louisiana to Cuba	nnw	251, 256, 266
<i>Metaxia excelsa</i> Faber & Moolenbeek, 1991	ben, car, hsb, ofb	6–101	Texas to Brazil	nw	267, 497, 517, 577 <sup>195</sup>
<i>Metaxia metaxa</i> (delle Chiaje, 1828)	ben, car	4–366	North Carolina to Cuba; E. Atlantic	se	15
<i>Metaxia rugulosa</i> (C. B. Adams, 1850)	ben, car, crr, hsb	0–128	East Florida to Colombia; Bermuda	entire	9, 31, 267, 517, 837
<i>Metaxia taeniolata</i> (Dall, 1889)	ben, car	15–95	North Carolina to Cuba	ne	802
<i>Monophorus ateralbus</i> Rolán & Fernández-Garcés, 1994	ben, car	0–15	Bahamas to Cuba	se	676
<i>Monophorus olivaceus</i> (Dall, 1889)	ben, car, hsb	3–91	W. Florida to Costa Rica; Cuba	se, ne	178, 676
<i>Nototriphora decorata</i> (C. B. Adams, 1850)	ben, car, hsb	0–104	North Carolina to Brazil; Bermuda	entire	240, 517, 654, 799, 837
<i>Similiphora intermedia</i> (C. B. Adams, 1850)	ben, car, crr, ofb	0–102	North Carolina to Brazil	ne, nw, sw	253, 266, 577
<i>Strobiligera bigemma</i> (Watson, 1880)	ben, car	538–1170	Yucatan Str. to Puerto Rico	se	87, 175
<i>Strobiligera inflata</i> (Watson, 1880)	ben, car, sft	538–1170	East Florida to Virgin Islands	se	175, 178
<i>Triphora abrupta</i> (Dall, 1881)	ben, car	1170	Yucatan Strait	se	175, 178 <sup>18</sup>
<i>Triphora calva</i> Faber & Moolenbeek, 1991	ben, car, hsb	0–1	East Florida to Belize	se, ne	236
<i>Triphora colon</i> (Dall, 1881)	ben, car, end	823–1832	NW Cuba	ese	175
<i>Triphora cylindrellus</i> (Dall, 1881)	ben, car, sft	1170	Yucatan Strait	se	175, 178 <sup>18</sup>
<i>Triphora ellyae</i> Jong & Coomans, 1988	ben, car	4–56	Cuba to Lesser Antilles	se	677
<i>Triphora elvirae</i> Jong & Coomans, 1988	ben, car	20–57	Louisiana to Lesser Antilles	nnw	255, 267
<i>Triphora hebes</i> (Watson, 1880)	ben, car	230	Cuba, Tristan de Cunha	se	605
<i>Triphora hemphilli</i> Bartsch, 1907	ben, car	13–101	Texas; E. Pacific	nw	517
<i>Triphora lilacina</i> (Dall, 1889)	ben, car	11–183	East Florida to Campeche	nw, sw	517, 837
<i>Triphora osclausum</i> Rolán & Fernández-Garcés, 1995	ben, car	2–20	Cuba	se	677
<i>Triphora torticula</i> (Dall, 1881)	ben, car, sft	1170	Yucatan Strait	se	175, 178 <sup>18</sup>
<i>Triphora triserialis</i> (Dall, 1881)	ben, car	55–1472	North Carolina to Barbados	se, ne	9, 175, 302

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Order: Neogastropoda</b>					
<b>Superfamily: Muricoidea</b>					
<b>Family: Muricidae</b>					
<b>Subfamily: Coralliophilinae</b>					
<i>Babelomurex dalli</i> (Emerson & D'Attilio, 1963)	ben, car, hsb	51–1606	Bahamas to Brazil; E. Atlantic	se, ne, nw	200, 253, 374, 578, 738 <sup>196</sup>
<i>Babelomurex fax</i> (F. M. Bayer, 1971)	ben, car	256–494	Bahamas to Florida Keys	se	374, 748
<i>Babelomurex mansfieldi</i> (McGinty, 1940)	ben, car, ofb	0.6–177	East Florida to Brazil	se, ne, nw	9, 200, 266, 356, 497
<i>Coralliophila aberrans</i> (C. B. Adams, 1850)	ben, car, crr, hsb	0–525	East Florida to Brazil; Bermuda	se, nw, sw	22, 266, 322, 472, 497
<i>Coralliophila caribaea</i> Abbott, 1958	ben, car, crr, ofb	0–116	North Carolina to Brazil; Bermuda	entire	307, 653, 700, 799, 837
<i>Coralliophila galea</i> (Dillwyn, 1823)	ben, car, crr, ofb	0–23	East Florida to Brazil; Bermuda	entire	118, 322, 398, 497, 748 <sup>197</sup>
<i>Coralliophila kalafuti</i> (Petuch, 1987)	ben, car, end	2	Florida Keys	ene	593, 748
<i>Coralliophila richardi</i> (P. Fischer, 1882)	ben, car	110–1004	Georgia to Bahamas; E. Atlantic	se, ne	9, 83, 178, 356 <sup>198</sup>
<i>Coralliophila scalariformis</i> (Lamarck, 1822)	ben, car, crr, ofb	0.3–139	North Carolina to Colombia; P. Rico	nw, sw	255, 322, 398, 799
<i>Coralliophila squamosa</i> (Bivona, 1838)	ben, car	30–501	NJ to Campeche Bank; E. Atlantic	se, nw	748, 801 <sup>199</sup>
<b>Subfamily: Ergalataxinae</b>					
<i>Minibraria monroei</i> (McGinty, 1962)	ben, car, end	0–87	Campeche Bank to NW Cuba	ese, sse	205, 447
<i>Trachypollia nodulosa</i> (C. B. Adams, 1845)	ben, car, crr, hsb	0–21	Bermuda to Brazil; E. Atlantic	entire	192, 398, 472, 800, 837
<i>Trachypollia sclera</i> Woodring, 1928	ben, car, crr, ofb	15–46	Texas to Costa Rica; Hispaniola	se, nw	322, 828
<i>Trachypollia turricula</i> (Maltzan, 1884)	ben, car, hsb	0–525	North Carolina to Brazil; E. Atlantic	entire	309, 322, 471, 758, 799 <sup>200</sup>
<b>Subfamily: Muricinae</b>					
<i>Aspella castor</i> Radwin & D'Attilio, 1976	ben, car	53	West Florida to Brazil	ne	803, 832
<i>Aspella senex</i> Dall, 1903	ben, car	2–179	North Carolina to Campeche Bank	ne, sw	408, 637, 799, 832, 837
<i>Attiliosa aldridgei</i> (Usticke, 1969)	ben, car, hsb	0.3–20	Bahamas to Lesser Antilles	se	712, 835 <sup>202</sup>
<i>Attiliosa bessei</i> E. H. Vokes, 1999	ben, car	30–50	Campeche Bank to Honduras	sw	834 <sup>203</sup>
<i>Attiliosa philippiana</i> (Dall, 1889)	ben, car	37–46	East Florida to Panama	se	178, 346, 637, 832, 834
<i>Calotrophon andrewsi</i> E. H. Vokes, 1976	ben, car	0–73	West Florida to Quintana Roo	se, ne	263, 346, 758, 832
<i>Calotrophon hystrix</i> García, 2006	ben, car, end	37–77	West Florida to Campeche Bay	ne, ssw	263
<i>Calotrophon ostrearum</i> (Conrad, 1846)	ben, car, msp	0–64	East Florida to Quintana Roo	se, ne, sw	159, 283, 307, 588, 832
<i>Chicoreus brevifrons</i> (Lamarck, 1822)	ben, car	0–83	Bahamas to Brazil	se	144, 824
<i>Chicoreus dilectus</i> (A. Adams, 1855)	ben, car, ofb	0–150	North Carolina to Hispaniola	se, ne, sw	70, 333, 824, 831 <sup>204</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Chicoreus florifer</i> (Reeve, 1846)	ben, car, hsb, sgr	1–196	East Florida to Panama; Hispaniola	se, ne	240, 310, 593, 762 <sup>205</sup>
<i>Chicoreus mergus</i> E. H. Vokes, 1974	ben, car	6–91	East Florida to Guyana	se	335, 825
<i>Dermomurex abyssicola</i> (Crosse, 1865)	ben, car	45–500	Bahamas to Lesser Antilles	ne	832
<i>Dermomurex elizabethae</i> (McGinty, 1940)	ben, car	2–3	East Florida to Virgin Ids.; Bermuda	se, ne	444, 637, 832
<i>Dermomurex pacei</i> Petuch, 1988	ben, car		Bahamas to Cuba	se	594, 832
<i>Dermomurex pauperculus</i> (C. B. Adams, 1850)	ben, car, hsb, sft	0–30	East Florida to Brazil	se, ne, sw	22, 637, 799, 832, 837
<i>Dermomurex sarasuae</i> E. H. Vokes, 1992	ben, car	18	Cuba to Honduras	se	832
<i>Hexaplex fulvescens</i> (Sowerby II, 1834)	ben, car, hsb, rit	0–79	North Carolina to Campeche	ne, nw, sw	23, 144, 278, 799, 800 <sup>206</sup>
<i>Paziella hystricina</i> (Dall, 1889)	ben, car	165–552	Florida Keys to Barbados	se	755
<i>Paziella nuttingi</i> (Dall, 1896)	ben, car	27–402	East Florida to Florida Keys	se, ne	205, 335, 738, 755, 832
<i>Paziella pazi</i> (Crosse, 1869)	ben, car	205–618	East Florida to Honduras	se, ne	144, 178, 738, 755, 832
<i>Pazinotus bowdenensis</i> (E. H. Vokes, 1970)	ben, car, end	110–183	West Florida	ene, nne	250, 343, 755, 826, 832
<i>Pazinotus stimpsonii</i> (Dall, 1889)	ben, car	183–1832	West Florida to Barbados	se, ne	178, 335, 637
<i>Phyllonotus oculatus</i> (Reeve, 1845)	ben, car	1–10	East Florida to Brazil	se	308, 783, 831
<i>Phyllonotus pomum</i> (Gmelin, 1791)	ben, car, hsb, sgr	0–73	North Carolina to Brazil; Bermuda	entire	23, 268, 278, 408, 738
<i>Poirieria actinophora</i> (Dall, 1889)	ben, car	100–714	Bahamas to Brazil	se, sw	205 <sup>207</sup>
<i>Pterynotus guesti</i> Harasewych & Jensen, 1979	ben, car, end	256–275	Florida Keys	ese	290, 346, 755
<i>Pterynotus havanensis</i> E. H. Vokes, 1970	ben, car	64–805	Georgia to Colombia; Jamaica	se	832
<i>Pterynotus phaneus</i> (Dall, 1889)	ben, car	256–794	South Carolina to Quintana Roo	se	637, 755, 832
<i>Pterynotus xenos</i> Harasewych, 1982	ben, car	14–60	Cuba to ABC Islands	se	832
<i>Siratus articulatus</i> (Reeve, 1845)	ben, car	16–400	East Florida to Brazil	se	132, 831 <sup>208</sup>
<i>Siratus beaultii</i> (Fischer & Bernardi, 1857)	ben, car	24–463	East Florida to Uruguay	entire	45, 190, 497, 738, 831 <sup>209</sup>
<i>Siratus cailleti</i> (Petit, 1856)	ben, car	46–400	Florida Keys to Barbados	se	144, 831 <sup>210</sup>
<i>Siratus caudacurta</i> (Houart, 1999)	ben, car, end	310–400	Texas to Veracruz	wnw, wsw	311, 781
<i>Siratus ciboney</i> (Clench & Pérez Farfante, 1945)	ben, car	110–454	Cuba to Lesser Antilles	se	144, 831
<i>Siratus consueta</i> (A. H. Verrill, 1950)	ben, car, hsb	14–110	Texas to Lesser Antilles	ne, nw	253, 260, 637
<i>Vokesimurex anniae</i> (M. Smith, 1940)	ben, car	45–150	East Florida to Campeche Bank	entire	255, 310, 593, 749, 831 <sup>211</sup>
<i>Vokesimurex bellegladeensis</i> (E. H. Vokes, 1963)	ben, car	30–60	Georgia to Texas	se, ne, nw	333, 497, 781, 831
<i>Vokesimurex cabritii</i> (Bernardi, 1859)	ben, car, ofb	13–140	North Carolina to Nicaragua; Jamaica	se, ne, sw	588, 655, 734, 738
<i>Vokesimurex rubidus</i> (F. C. Baker, 1897)	ben, car	0–105	North Carolina to Brazil	entire	144, 283, 322, 733, 738 <sup>212</sup>



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Vokesimurex sallasi</i> (Rehder & Abbott, 1951)	ben, car	35–91	East Florida to Quintana Roo	se, sw	278, 650, 738, 799, 831
<i>Vokesimurex tryoni</i> (Hidalgo, 1880)	ben, car, hsb	33–366	West Florida to Surinam	se, ne, sw	144, 333, 637, 738
<b>Subfamily: Muricopsinae</b>					
<i>Acanthotrophon striatoides</i> E. H. Vokes, 1980	ben, car	0–55	West Florida to Brazil	se, ne	346, 827, 833
<i>Favartia alveata</i> (Kiener, 1842)	ben, car, hsb, ofb	1–20	East Florida to Brazil; Bermuda	entire	408, 497, 637, 799, 833 <sup>213</sup>
<i>Favartia barbarae</i> E. H. Vokes, 1994	ben, car, end	90	Campeche Bank	sse	833
<i>Favartia cellulosa</i> (Conrad, 1846)	ben, car	0–310	East Florida to Brazil; Bermuda	entire	144, 497, 637, 785, 799
<i>Favartia lindae</i> Petuch, 1987	ben, car	57–150	West Florida, East Florida	ne	593, 833
<i>Favartia minirosea</i> (Abbott, 1954)	ben, car	18–110	West Florida to Virgin Islands	ne, sw	307, 637, 833 <sup>214</sup>
<i>Favartia nucea</i> (Mörch, 1850)	ben, car	4–73	West Florida to Brazil	ne	266, 729
<i>Favartia pacei</i> Petuch, 1988	ben, car, end	1.5–50	West Florida to Florida Keys	ese, ene	313, 594, 833
<i>Murexiella glypta</i> (M. Smith, 1938)	ben, car	7–66	GMx to Brazil	ne, sw	413, 833 <sup>215</sup>
<i>Murexiella hidalgoi</i> (Crosse, 1869)	ben, car	75–780	North Carolina to Brazil	se, ne	9, 333, 637, 738, 755
<i>Murexiella kalafuti</i> Petuch, 1987	ben, car, end	24–150	West Florida to Florida Keys	ese, ene	369, 593, 755, 833
<i>Murexiella levicula</i> (Dall, 1889)	ben, car	18–175	North Carolina to Louisiana	se, ne, nw	144, 178, 283, 497, 637 <sup>216</sup>
<i>Murexiella macgintyi</i> (M. Smith, 1938)	ben, car, hsb	0–183	East Florida to Brazil	se, ne, sw	91, 333, 637, 833 <sup>217</sup>
<i>Murexiella taylorae</i> Petuch, 1987	ben, car, end	183–200	West Florida	ene, nne	369, 593, 755, 833
<i>Murexsul emipowlusi</i> (Abbott, 1954)	ben, car	73–366	East Florida to Campeche Bank	se, ne	7, 278, 829
<i>Murexsul oxytatus</i> (M. Smith, 1938)	ben, car, hsb, sgr	1–64	East Florida to Venezuela	entire	307, 799, 833
<i>Pygmaepterys richardbinghami</i> (Petuch, 1987)	ben, car	30	West Florida, East Florida	ne	260, 833
<i>Risomurex caribbaeus</i> (Bartsch & Rehder, 1939)	ben, car, hsb	0–219	West Florida to Venezuela	se, ne, sw	275, 755, 799, 836, 837 <sup>218</sup>
<i>Risomurex roseus</i> (Reeve, 1846)	ben, car, hsb	1–18	Cuba to Venezuela	se	713, 833 <sup>219</sup>
<b>Subfamily: Ocenebrinae</b>					
<i>Eupleura sulcidentata</i> Dall, 1890	ben, car, sgr	0–26	East Florida to Cuba	se, ne	283, 403, 588, 637, 700 <sup>220</sup>
<i>Pteropurpura bequaerti</i> (Clench & Pérez Farfante, 1945)	ben, car	40–347	North Carolina to Texas	se, ne, nw	95, 144, 637, 738, 820
<i>Urosalpinx perrugata</i> (Conrad, 1846)	ben, car	0–7	West Florida; East Florida	ne	159, 283, 408, 556, 588
<i>Urosalpinx tampaensis</i> (Conrad, 1846)	ben, car	0–2	West Florida; East Florida	ne	159, 346, 413, 588, 786
<b>Subfamily: Rapaninae</b>					
<i>Mancinella deltoidea</i> (Lamarck, 1822)	ben, car, hsb, rit	0–12	East Florida to Brazil; Bermuda	se, ne, sw	118, 129, 240, 472, 837
<i>Plicopurpura patula</i> (Linnaeus, 1758)	ben, car, hsb, rit	0–2	East Florida to Trinidad; Bermuda	se, ne, sw	22, 91, 129, 240, 837

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Stramonita canaliculata</i> (Gray, 1839)	ben, car, end, hsb	0.3–11	Texas to Campeche Bank	entire	23, 345, 399, 624, 837 <sup>221</sup>
<i>Stramonita haemastoma</i> (Linnaeus, 1767)	ben, car, hsb, rit	0–538	Virginia to Uruguay; E. Atlantic	entire	23, 118, 129, 399, 575 <sup>222</sup>
<i>Stramonita rustica</i> (Lamarck, 1822)	ben, car, hsb, rit	0–4	Bermuda to Brazil; E. Atlantic	se, ne, sw	118, 129, 192, 837 <sup>223</sup>
<b>Subfamily: Trophoninae</b>					
<i>Trophon aculeatus</i> Watson, 1882	ben, car	430–3237	West Florida to Brazil	ne	578
<i>Trophon lacunellus</i> Dall, 1889	ben, car	366–1406	South Carolina to Barbados	ne	178, 309
<b>Subfamily: Typhinae</b>					
<i>Pterotyphis pinnatus</i> (Broderip, 1833)	ben, car, hsb	2–50	Bahamas to Colombia; Jamaica	se	16, 327, 699, 830 <sup>224</sup>
<i>Pterotyphis triangularis</i> (A. Adams, 1855)	ben, car, hsb	0.3–31	Bahamas to Panama	se	327, 637, 699, 748, 837 <sup>225</sup>
<i>Siphonochelus longicornis</i> (Dall, 1888)	ben, car	232–465	Bahamas to Cuba	ese	9, 178, 339, 637, 699
<i>Siphonochelus radwini</i> Emerson & D'Attilio, 1979	ben, car	46	Quintana Roo	sse	201 <sup>226</sup>
<i>Typhinellus sowerbii</i> (Broderip, 1833)	ben, car	51–110	Texas to Brazil; E. Atlantic	ne, nw, sw	266, 497, 637, 830 <sup>227</sup>
<b>Superfamily: Buccinoidea</b>					
<b>Family: Buccinidae</b>					
<i>Antillophos candeanus</i> (d'Orbigny, 1842)	ben, car, ofb	2–384	North Carolina to Brazil	entire	240, 272, 578, 655, 801 <sup>229</sup>
<i>Antillophos elegans</i> (Guppy, 1866)	ben, car	25–89	Louisiana to Venezuela	nnw	255, 266
<i>Bailya intricata</i> (Dall, 1884)	ben, car, hsb, sgr	0–91	GMx to Panama; Puerto Rico	se, ne, sw	118, 278, 307, 556, 837
<i>Bailya parva</i> (C. B. Adams, 1850)	ben, car, hsb	0.6–51	Texas to Colombia; Puerto Rico	entire	307, 502, 837
<i>Bailya weberi</i> (Watters, 1983)	ben, car, end	73	Florida Keys to NW Cuba	ese	361, 853, 854
<i>Belomitra pourtalesii</i> (Dall, 1881)	ben, car	454–1620	Georgia to Virgin Islands	se, ne	178, 578, 579 <sup>230</sup>
<i>Engina corinnae</i> Crovo, 1971	ben, car	27–80	West Florida, East Florida	ne, nw	307, 502
<i>Engina turbinella</i> (Kiener, 1836)	ben, car, hsb	0–63	East Florida to Brazil	entire	182, 278, 472, 502, 837
<i>Engoniophos uncinatus</i> (Say, 1826)	ben, car	0–18	Veracruz to Venezuela	sw	837
<i>Eosipho canetae</i> (Clench & Aguayo, 1944)	ben, car, hcs	420–896	Texas to Surinam	entire	142, 167, 168, 264, 847
<i>Gemophos auritulus</i> (Link, 1807)	ben, car, crr, hsb	0–29	East Florida to Brazil; Bermuda	entire	302, 398, 799, 817, 837
<i>Gemophos tinctus</i> (Conrad, 1846)	ben, car, crr, ofb	0–80	North Carolina to Venezuela; Bermuda	entire	23, 118, 588, 817, 837 <sup>231</sup>
<i>Hesperisternia harasewyichi</i> (Petuch, 1987)	ben, car, end	70–150	West Florida	ne	367, 593, 817
<i>Hesperisternia karinae</i> (Usticke, 1959)	ben, car	9–63	West Florida to Brazil	se, ne	358, 713, 802 <sup>232</sup>
<i>Hesperisternia multangulus</i> (Philippi, 1848)	ben, car, crr, sft	0–101	North Carolina to Cuba	entire	413, 653, 658, 817, 837
<i>Liomesus stimpsoni</i> Dall, 1889	ben, car	137–452	South Carolina to Florida Keys	se	299, 756

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Metula agassizi</i> Clench & Aguayo, 1941	ben, car	50–594	Texas to Uruguay	ne, nw	9, 141, 497, 502, 576
<i>Metula significans</i> (Rehder, 1943)	ben, car	137–366	East Florida to Dry Tortugas	se, ne	9, 645, 756
<i>Monostiolum harryleei</i> García, 2006	ben, car, end	54–56	Campeche Bay	ssw	263
<i>Monostiolum tessellatum</i> (Reeve, 1844)	ben, car	1–42	East Florida to Brazil; Bermuda	ese	854 <sup>233</sup>
<i>Parviphos adelus</i> (Schwengel, 1942)	ben, car, hsb	36–80	East Florida to Virgin Ids.; Panama	ne, sw	307 <sup>234</sup>
<i>Pisania pusio</i> (Linnaeus, 1758)	ben, car, crr	0–63	Bermuda to Brazil; E. Atlantic	se, nw, sw	240, 398, 472, 497, 837
<i>Ptychosalpinx globulus</i> (Dall, 1889)	ben, car	128–1767	Bahamas to West Florida	ne	9, 361, 756
<i>Retimohnia carolinensis</i> (A. E. Verrill, 1884)	ben, car	260–1715	North Carolina to Florida Keys	se	9, 358, 756
<i>Solenosteira cancellaria</i> (Conrad, 1846)	ben, car, end, ofb	0–101	Texas to Campeche Bank	entire	23, 575, 800, 817, 837
<b>Family: Colubrariidae</b>					
<i>Colubraria antillana</i> Sarasúa, 1978	ben, car	20	Cuba to Costa Rica	se	705
<i>Colubraria testacea</i> (Mörch, 1854)	ben, car, hsb	2.5–780	North Carolina to Brazil; Bermuda	se, nw, sw	91, 118, 367, 502, 799 <sup>235</sup>
<b>Family: Columbelloidea</b>					
<b>Family: Columbelloidea</b>					
<i>Aesopus stearnsii</i> (Tryon, 1883)	ben	7–51	North Carolina to Brazil; Bermuda	ne	354, 410, 636, 729, 740 <sup>236</sup>
<i>Astyris amphissella</i> (Dall, 1881)	ben	755–1170	Georgia to Yucatan Str.	se	178, 357
<i>Astyris diaphana</i> A. E. Verrill, 1882	ben, sft	117–891	New Jersey to West Florida	ne, nw	178, 357, 578
<i>Astyris lunata</i> (Say, 1826)	ben, hsb, orf	0–115	Nova Scotia to Brazil	entire	23, 271, 283, 799, 837
<i>Astyris multilineata</i> (Dall, 1889)	ben	0–421	Maryland to Texas	se, nw	503, 510
<i>Astyris profundus</i> (Dall, 1889)	ben, ofb, sft	70–1472	North Carolina to Cuba; E. Atlantic	se, ne, nw	178, 190, 357, 801 <sup>237</sup>
<i>Astyris raveneli</i> (Dall, 1889)	ben	9–227	North Carolina to Quintana Roo	se, ne, sw	178, 837
<i>Astyris verrilli</i> (Dall, 1881)	ben	567–1472	Louisiana to Brazil	se, ne, nw	175, 259
<i>Columbella mercatoria</i> (Linnaeus, 1758)	ben, her, hsb, sgr	0–81	East Florida to Brazil; Bermuda	entire	22, 240, 472, 503, 837
<i>Columbella rusticoides</i> Heilprin, 1886	ben	0–6	East Florida to Cuba	se, ne	182, 283, 353, 837
<i>Columbellopsis nycteis</i> (Duclos, 1846)	ben, sft, sgr	1.5–50	East Florida to Venezuela	se, sw	636, 837 <sup>238</sup>
<i>Conella ovulata</i> (Lamarck, 1822)	ben, hsb	0–0.3	Bahamas to Venezuela	se	240, 278, 302, 837
<i>Conella ovuloides</i> (C. B. Adams, 1850)	ben, hsb	0–1.5	Yucatan to Lesser Antilles	sw	278
<i>Cosmioconcha geigeri</i> García, 2006	ben, end	107–108	Campeche Bay	ssw	263
<i>Cosmioconcha nitens</i> (C. B. Adams, 1850)	ben	0–183	Texas to Brazil	se, ne, nw	503, 574, 837 <sup>239</sup>
<i>Cosmioconcha rikae</i> K. & D. Monsecour, 2006	ben	7–600	Texas to Colombia	ne, nw	264, 468, 503 <sup>240</sup>
<i>Costoanachis avara</i> (Say, 1822)	ben, ofb, sgr	0–46	Massachusetts to Quintana Roo	entire	410, 635, 642, 800, 837
<i>Costoanachis floridana</i> (Rehder, 1939)	ben, hsb	0–14	North Carolina to Texas	ne, nw, sw	22, 410, 504, 545, 644

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Costoanachis hotessieriana</i> (d'Orbigny, 1842)	ben	0–73	Texas to Venezuela	ne, nw	504, 635, 734
<i>Costoanachis rudyi</i> Espinosa & Ortea, 2006	ben, end	1–2	NW Cuba	ese	221
<i>Costoanachis scutulata</i> (Reeve, 1859)	ben	0–93	Bermuda to Campeche Bank	ne, sw	378 <sup>241</sup>
<i>Costoanachis semiplicata</i> (Stearns, 1873)	ben, end, sgr	0–46	Texas to Quintana Roo	entire	23, 283, 353, 385, 837
<i>Costoanachis similis</i> (Ravenel, 1861)	ben	1.2–9	North Carolina to Florida Keys	se, ne, nw	159, 413, 574, 575, 588
<i>Costoanachis sparsa</i> (Reeve, 1859)	ben, hsb, sgr	0.5–80	East Florida to Brazil; Bermuda	se, sw	192, 278, 837
<i>Costoanachis translirata</i> (Ravenel, 1861)	ben	0–152	Canada to Colombia	entire	410, 467, 504, 577, 837 <sup>242</sup>
<i>Mazatlaniana fulgurata</i> (Philippi, 1846)	ben		Veracruz to Venezuela; E. Pacific	sw	636
<i>Metulella columbellata</i> (Dall, 1889)	ben	24–227	West Florida to Brazil	se, ne	9, 178, 180, 353, 578 <sup>243</sup>
<i>Mitrella dichroa</i> (Sowerby I, 1844)	ben	0–8	East Florida to Brazil	se, sw	837 <sup>244</sup>
<i>Mitrella ocellata</i> (Gmelin, 1791)	ben, hsb	0–15	Bermuda to Brazil; E. Atlantic	se, sw	22, 278, 472, 837 <sup>245</sup>
<i>Nassarina bushiae</i> (Dall, 1889)	ben	27–278	Florida Keys to Barbados	se	174, 178, 354
<i>Nassarina glypta</i> (Bush, 1885)	ben, ofb	7–805	North Carolina to Campeche Bank	entire	174, 266, 410, 503, 577 <sup>246</sup>
<i>Nassarina metabrunnea</i> Dall & Simpson, 1901	ben	80–600	Florida Keys to Brazil	se	174, 635
<i>Nitidella nitida</i> (Lamarck, 1822)	ben, hsb, sgr	0–2	East Florida to Brazil; Bermuda	se, ne, sw	118, 240, 588, 799, 837 <sup>247</sup>
<i>Parvanachis obesa</i> (C. B. Adams, 1845)	ben, ofb	0–68	Virginia to Uruguay; Bermuda	entire	23, 271, 283, 799, 837 <sup>248</sup>
<i>Parvanachis ostreicola</i> (Sowerby III, 1882)	ben, end, orf	0–6	Texas to West Florida	ne, nw	104, 385, 413, 635, 785
<i>Rhombinella laevigata</i> (Linnaeus, 1758)	ben	0–23	East Florida to Barbados; Bermuda	se, sw	22, 88, 357, 734, 837
<i>Steironepion maculatum</i> (C. B. Adams, 1850)	ben	0–20	Bahamas to Lesser Antilles	se	232, 243, 702 <sup>249</sup>
<i>Steironepion minus</i> (C. B. Adams, 1845)	ben, sgr	0–219	North Carolina to Brazil	ne, nw	9, 653
<i>Steironepion moniliferum</i> (Sowerby I, 1844)	ben	0–82	East Florida to Venezuela; Bermuda	se, ne	645, 837 <sup>250</sup>
<i>Suturoglypta albella</i> (C. B. Adams, 1850)	ben, sft, sgr		Campeche to Jamaica	se, sw	837
<i>Suturoglypta iontha</i> (Ravenel, 1861)	ben, car, ofb	0–42	North Carolina to Quintana Roo	entire	410, 546, 588, 799, 837
<i>Suturoglypta pretrii</i> (Duclos, 1846)	ben	15–33	GMx to Brazil	se, sw	178, 636, 837 <sup>251</sup>
<i>Zafrona dicomata</i> (Dall, 1889)	ben, hsb, svg	0.5	Florida Keys to Lesser Antilles	se	178, 357
<i>Zafrona idalina</i> (Duclos, 1840)	ben, hsb, ofb	1–44	Bahamas to Brazil	nw, sw	22, 322, 353, 398, 799
<i>Zafrona pulchella</i> (Blainville, 1829)	ben, hsb	0–9	Bermuda to Venezuela	se, sw	654, 837
<i>Zafrona taylorae</i> Petuch, 1987	ben, end	2	Florida Keys	ese	593

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Fascioliariidae</b>					<sup>252</sup>
<i>Dolicholatirus pauli</i> (McGinty, 1955)	ben, car	40–366	East Florida to Colombia	se, ne	205, 341, 446
<i>Fasciolaria branhamae</i> Rehder & Abbott, 1951	ben, car, end		Texas to Campeche	nw, sw	91, 272, 341, 650, 767
<i>Fasciolaria bullisi</i> Lyons, 1972	ben, car, end	73–164	West Florida	ene, nne	341, 401, 771
<i>Fasciolaria hunteria</i> (G. Perry, 1811)	ben, car, sgr	0–77	North Carolina to Louisiana	se, ne	305, 410, 413, 588, 858 <sup>253</sup>
<i>Fasciolaria lilium</i> G. Fischer, 1807	ben, car, end, ofb	4–46	Louisiana to Quintana Roo	entire	23, 305, 341, 771 <sup>254</sup>
<i>Fasciolaria tulipa</i> (Linnaeus, 1758)	ben, car, sgr	0–73	North Carolina to Brazil	entire	23, 118, 588, 837, 858
<i>Fusinus aepynotus</i> (Dall, 1889)	ben, car	37–366	East Florida to Campeche Bank	se	178, 180, 286, 764
<i>Fusinus alcimus</i> (Dall, 1889)	ben, car, end	174–183	Florida Keys to Campeche Bank	ese, sse	178, 180, 286, 360, 764
<i>Fusinus amiantus</i> (Dall, 1889)	ben, car	1472	Cuba; E. Atlantic	se	83, 178, 286
<i>Fusinus amphirgus</i> (Dall, 1889)	ben, car, end	185–366	West Florida	ene	178, 286, 360
<i>Fusinus benthalis</i> (Dall, 1889)	ben, car, end	99–1832	Florida Keys to NW Cuba	ese	178, 286, 360, 764
<i>Fusinus blakensis</i> Hadorn & Rogers, 2000	ben, car	366–400	Bahamas to Lesser Antilles	se	286
<i>Fusinus coltrorum</i> Hadorn & Rogers, 2000	ben, car		Florida Strait	ese?	286 <sup>255</sup>
<i>Fusinus couei</i> (Petit, 1853)	ben, car, end	33–100	Texas to Campeche Bank	ne, nw, sw	178, 278, 286, 650, 738 <sup>31</sup>
<i>Fusinus excavatus</i> (Sowerby II, 1880)	ben, car	27–162	East Florida to Campeche Bank	entire	95, 286, 341, 406, 738 <sup>256</sup>
<i>Fusinus halistreptus</i> (Dall, 1889)	ben, car	180–618	Bahamas to Virgin Islands	se	286, 738
<i>Fusinus helenae</i> Bartsch, 1939	ben, car, end	28–183	West Florida to Yucatan	sse, ene, nne	34, 205, 286, 341, 759
<i>Fusinus josei</i> Hadorn & Rogers, 2000	ben, car	400	Florida Strait	ese?	286 <sup>255</sup>
<i>Fusinus marcusii</i> Hadorn & Rogers, 2000	ben, car	421–366	Florida Strait	ese?	286 <sup>255</sup>
<i>Fusinus stegeri</i> Lyons, 1978	ben, car, end	183–375	West Florida to Florida Strait	ese, ene	286, 341, 406, 763
<i>Fusinus timessus</i> (Dall, 1889)	ben, car	37–465	East Florida to Cuba	entire	178, 205, 286, 497, 738 <sup>257</sup>
<i>Hemipolygona cariniferus</i> (Lamarck, 1816)	ben, car, crr	0–183	East Florida to Brazil	se, ne, sw	240, 307, 819
<i>Hemipolygona distincta</i> (A. Adams, 1855)	ben, car		Florida Keys to Panama	se	411, 819 <sup>258</sup>
<i>Hemipolygona mcgintyi</i> (Pilsbry, 1939)	ben, car	5–20	East Florida to Venezuela	se, sw	91, 275, 411, 819, 837 <sup>259</sup>
<i>Hemipolygona mcmurrayi</i> Clench & Aguayo, 1941	ben, car	243–347	Bahamas to Cuba	se	141, 819
<i>Leucozonia leucozonalis</i> (Lamarck, 1822)	ben, car	0	Bahamas to Colombian Ids.	se, sw	8, 88, 818
<i>Leucozonia nassa</i> (Gmelin, 1791)	ben, car, hsb	0–70	North Carolina to Brazil	entire	307, 410, 472, 818, 837 <sup>260</sup>
<i>Leucozonia ocellata</i> (Gmelin, 1791)	ben, car, hsb, rit	0–23	East Florida to Brazil	se, ne	88, 91, 307, 818, 837

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Polygona angulata</i> (Röding, 1798)	ben, car, sft, sgr	0–72	East Florida to Brazil; Bermuda	se, sw	278, 819, 837 <sup>261</sup>
<i>Polygona infundibulum</i> (Gmelin, 1791)	ben, car, crr, ofb	2–55	East Florida to Brazil	se, nw, sw	266, 275, 398, 799, 819
<i>Pustulaturus virginensis</i> (Abbott, 1958)	ben, car	2–42	Cuba to Brazil	ese	713, 819
<i>Teralaturus cayohuesonicus</i> (Sowerby III, 1879)	ben, car, crr	0–52	GMx to Colombia; Virgin Ids.	se, sw	178, 341, 700 <sup>262</sup>
<i>Teralaturus ernesti</i> (Melvill, 1910)	ben, car	5–8	Quintana Roo to Lesser Antilles	se	447, 700
<i>Triplofusus giganteus</i> (Kiener, 1840)	ben, car, hsb, sgr	0–200	North Carolina to Quintana Roo	entire	23, 118, 588, 738, 837
<b>Family: Melongenidae</b>					
<i>Busycon candelabrum</i> (Lamarck, 1816)	ben, car, end, ofb	0–64	Texas to Campeche Bank	se, nw	306, 497, 553, 779
<i>Busycon coarctatum</i> (Sowerby I, 1825)	ben, car, end, sft	45–91	Veracruz to Quintana Roo	sse, wsw, ssw	205, 278, 738, 799, 837
<i>Busycon lyonsi</i> Petuch, 1987	ben, car, end	133	West Florida	ene	593, 779
<i>Busycon perversum</i> (Linnaeus, 1758)	ben, car, end, sft	7–18	Campeche Bank	sw	272, 278, 306, 732, 837 <sup>263</sup>
<i>Busycon pulleyi</i> Hollister, 1958	ben, car, end	0	Texas to Louisiana	nnw, wnw	23, 95, 306 <sup>264</sup>
<i>Busycon sinistrum</i> Hollister, 1958	ben, car	0–73	Alabama to Yucatan	se, ne, sw	205, 278, 306, 413, 654 <sup>265</sup>
<i>Busycotypus plagosus</i> (Conrad, 1862)	ben, car, end, ofb	0–6	Texas to Campeche Bank	entire	23, 272, 278, 837 <sup>266</sup>
<i>Busycotypus spiratus</i> (Lamarck, 1816)	ben, car	0–46	North Carolina to Quintana Roo	se, ne, sw	205, 283, 413, 588, 837
<i>Fulguroopsis feldmanni</i> Petuch, 1991	ben, car		Yucatan Peninsula	sse?	595 <sup>267</sup>
<i>Melongena bicolor</i> (Say, 1826)	ben, car	0–0.6	East Florida to Dry Tortugas	se	151, 780, 797
<i>Melongena bispinosa</i> (Philippi, 1844)	ben, car		Campeche to Quintana Roo	se, sw	151, 272, 277, 278, 837
<i>Melongena corona</i> (Gmelin, 1791)	ben, car, sft	0–2	East Florida to Alabama	se, ne	278, 283, 413, 588, 600 <sup>31</sup>
<i>Melongena melongena</i> (Linnaeus, 1758)	ben, car, msp	0–44	Tamaulipas to Surinam	se, sw	240, 272, 278, 837
<b>Family: Nassariidae</b>					
<i>Nassarius acutus</i> (Say, 1822)	ben, car, ofb, sft	2–110	Virginia to Hispaniola	ne, nw, sw	23, 271, 389, 800, 837 <sup>31</sup>
<i>Nassarius albus</i> (Say, 1826)	ben, car, crr, sft	0–58	North Carolina to Brazil; Bermuda	se, ne	350, 837 <sup>269</sup>
<i>Nassarius antillarum</i> (d'Orbigny, 1847)	ben, car, sft	0–57	East Florida to Brazil; Bermuda	entire	182 <sup>270</sup>
<i>Nassarius consensus</i> (Ravenel, 1861)	ben, car, sft	6–80	North Carolina to Colombia; Virgin Ids.	se, ne	178, 413, 574, 588, 837
<i>Nassarius karinae</i> (Usticke, 1971)	ben, car, sft	0–2	Yucatan to Lesser Antilles	sw	278 <sup>271</sup>
<i>Nassarius paucicostatus</i> (Marrat, 1877)	ben, car, sft, sgr	0–1	East Florida to Colombia	se, ne	389 <sup>272</sup>
<i>Nassarius polygonatus</i> (Lamarck, 1822)	ben, car, sft	0	East Florida to Brazil; Bermuda	ne	350, 389

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Nassarius scissuratus</i> (Dall, 1889)	ben, car, sft	30–1472	NW Cuba to Uruguay	ese	178, 181
<i>Nassarius vibex</i> (Say, 1822)	ben, car, orf, sft	0–31	Massachusetts to Brazil	entire	23, 283, 350, 389, 837 <sup>31</sup>
<b>“Superfamily” Volutacea</b>					
<b>Family: Harpidae</b>					
<i>Morum dennisoni</i> (Reeve, 1842)	ben, car	30–370	North Carolina to Brazil	ne, nw	255, 267, 499
<i>Morum oniscus</i> (Linnaeus, 1767)	ben, car, hsb, sgr	0–72	East Florida to Brazil; Bermuda	se, ne, sw	88, 91, 135, 734, 837
<b>Family: Turbinellidae</b>					
<i>Exilioidea atlantica</i> Bouchet & Warén, 1988	ben, car, end, sft	878–3365	Tamaulipas to West Florida	ene, wnw	86, 366
<i>Fulgurofusus atlantis</i> (Clench & Aguayo, 1938)	ben, car, end, sft	475–770	Cuba	se	137, 287, 366
<i>Fulgurofusus bermudezi</i> (Clench & Aguayo, 1938)	ben, car, sft	384–1006	Bahamas to Cuba	se	287, 769
<i>Fulgurofusus electra</i> (F. M. Bayer, 1971)	ben, car, end, sft	604–594	Florida Strait	ese	45, 287, 769
<i>Fulgurofusus merope</i> (F. M. Bayer, 1971)	ben, car, end, sft	512–566	Florida Strait	ese	45, 287, 366
<i>Latiromitra meekiana</i> (Dall, 1889)	ben, car, sft	402–540	Cuba to Jamaica	se	45, 78, 178, 626
<i>Turbinella angulata</i> (Lightfoot, 1786)	ben, car, sft, sgr	0–81	Bahamas to Colombia; Hispaniola	se, sw	3, 118, 205, 272, 278
<i>Turbinella wheeleri</i> Petuch, 1994	ben, car, sft		Quintana Roo to Honduras	se	366, 595, 837 <sup>274</sup>
<i>Vasum latiriforme</i> Rehder & Abbott, 1951	ben, car, end, sft	28–227	Texas to Quintana Roo	se, nw, sw	205, 366, 650, 738
<i>Vasum muricatum</i> (Born, 1778)	ben, car, sft	0–15	East Florida to Venezuela	se, ne, sw	3, 278, 734, 837
<b>Family: Volutidae</b>					
<i>Enaeta cylleniformis</i> (Sowerby I, 1844)	ben, car, sft	6–55	East Florida to Cuba	se	19, 620
<i>Enaeta reevei</i> Dall, 1907	ben, car, sft	0–2	Cuba to Panama	se	19, 240, 620, 856
<i>Scaphella contoyensis</i> Emerson & Old, 1979	ben, car, sft	73–183	Quintana Roo	sse	204, 248, 620
<i>Scaphella dohrni</i> (Sowerby III, 1903)	ben, car, sft	117–384	East Florida to South Cuba	ese	128, 614, 620, 754 <sup>275</sup>
<i>Scaphella dubia</i> (Broderip, 1827)	ben, car, sft	55–402	North Carolina to Tabasco	entire	131, 497, 614, 620, 738 <sup>276</sup>
<i>Scaphella gouldiana</i> (Dall, 1887)	ben, car, sft	73–931	South Carolina to Cuba	se, ne	178, 578, 579, 620
<i>Scaphella junonia</i> (Lamarck, 1804)	ben, car, sft	0–110	North Carolina to Campeche Bank	entire	45, 131, 588, 620, 738 <sup>277</sup>
<i>Scaphella macginnorum</i> García & Emerson, 1987	ben, car, end, sft	200–365	Quintana Roo	sse	248, 265, 620
<i>Scaphella robusta</i> Dall, 1889	ben, car, sft	218–695	Texas to Cuba	se, ne, nw	95, 178, 620, 738, 754 <sup>278</sup>
<i>Teramachia mirabilis</i> (Clench & Aguayo, 1941)	ben, car, sft	465–521	Bahamas to Cuba	se	141, 620
<b>Mitriiform taxa</b>					
<b>Family: Costellariidae</b>					
<i>Mitromica foveata</i> (Sowerby II, 1874)	ben, car, hsb	0–34	East Florida to Cuba; Bermuda	se, ne	176, 415, 655, 688, 734 <sup>280</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Vexillum arestum</i> (Rehder, 1943)	ben, car	5–11	Bahamas to Cuba	se, nw	645 <sup>281</sup>
<i>Vexillum catenatum</i> (Broderip, 1836)	ben, car	12–18	East Florida to ABC Islands	ese	698, 704 <sup>282</sup>
<i>Vexillum cubanum</i> Aguayo & Rehder, 1936	ben, car, sgr	0–780	Cuba to Virgin Islands	se	20, 116, 700
<i>Vexillum dermestinum</i> (Lamarck, 1811)	ben, car, hsb	0–24	Bahamas to Tobago	se, sw	116, 837
<i>Vexillum epiphaneum</i> (Rehder, 1943)	ben, car, sgr	0–71	East Florida to Cayman Ids.; Bermuda	entire	255, 334, 645, 759 <sup>283</sup>
<i>Vexillum exiguum</i> (C. B. Adams, 1845)	ben, car, sft, sgr	1.5–4	East Florida to Venezuela	se, sw	338, 700, 734, 837 <sup>284</sup>
<i>Vexillum gemmatum</i> (Sowerby II, 1874)	ben, car, hsb	1.5–6	Campeche to Venezuela	se, sw	654, 837 <sup>285</sup>
<i>Vexillum hendersoni</i> (Dall, 1927)	ben, car	9–805	Georgia to Brazil	se, ne, sw	116, 255, 338 <sup>286</sup>
<i>Vexillum histrio</i> (Reeve, 1844)	ben, car	0–275	East Florida to Brazil	se, sw	116, 334, 634, 799 <sup>287</sup>
<i>Vexillum laterculatum</i> (Sowerby II, 1874)	ben, car	0–92	East Florida to Colombia	se	700 <sup>288</sup>
<i>Vexillum puella</i> (Reeve, 1845)	ben, car, hsb, sgr	0–40	North Carolina to Barbados	ese	116
<i>Vexillum pulchellum</i> (Reeve, 1844)	ben, car	21–94	East Florida to Brazil	se, nw	116, 253, 334, 497
<i>Vexillum styria</i> (Dall, 1889)	ben, car	46–609	East Florida to Barbados	se, ne, sw	9, 178, 334, 655
<i>Vexillum sykesi</i> (Melvill, 1925)	ben, car, crr, sgr	2–73	East Florida to Lesser Antilles	entire	116, 250, 653, 704 <sup>289</sup>
<i>Vexillum variatum</i> (Reeve, 1845)	ben, car, hsb	10–49	Campeche Bank to Brazil	se, sw	116, 702, 706 <sup>290</sup>
<i>Vexillum venustum</i> (Sarasúa, 1978)	ben, car		Cuba to Colombia	se	704
<i>Vexillum wandoense</i> (Holmes, 1859)	ben, car	11–805	North Carolina to Brazil	se, ne	116, 334, 410, 837
<b>Family: Mitridae</b>					
<i>Dibaphimitra florida</i> (Gould, 1856)	ben, car	2–55	East Florida to Panama	se,	115, 745, 768, 837
<i>Mitra antillensis</i> Dall, 1889	ben, car	55–780	North Carolina to Lesser Antilles	se, ne, nw	115, 178, 253, 334, 801 <sup>291</sup>
<i>Mitra barbadensis</i> (Gmelin, 1791)	ben, car	0–82	Bermuda to Brazil; E. Atlantic	se, nw	115, 497, 653, 837
<i>Mitra espinosai</i> Sarasúa, 1978	ben, car	2	Cuba to Virgin Islands	se	704
<i>Mitra nodulosa</i> (Gmelin, 1791)	ben, car, crr, hsb	0–55	North Carolina to Brazil; Bermuda	entire	115, 472, 577, 768, 837
<i>Mitra pallida</i> Usticke, 1959	ben, car		East Florida to Barbados	se	745, 768
<i>Mitra semiferruginea</i> Reeve, 1845	ben, car	5–88	East Florida to Cuba	se	115
<i>Mitra straminea</i> A. Adams, 1853	ben, car	0–329	North Carolina to Brazil	se, ne, nw	115, 178, 255, 768, 837 <sup>292</sup>
<b>Family: Volutomitridae</b>					
<i>Microvoluta blakeana</i> (Dall, 1889)	ben, car, end	146–1170	Yucatan Str. to Cuba	se	178
<i>Volutomitra bairdii</i> (Dall, 1889)	ben, car, hcs	680–969	South Carolina to Louisiana	ne, nw	268, 578
<b>Oliviform taxa</b>					
<b>Family: Olivellidae</b>					
<i>Jaspidella blanesi</i> (Ford, 1898)	ben, car, sft	9–50	East Florida to Venezuela	se, ne	283, 554, 588, 589, 837



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Jaspidella jaspidea</i> (Gmelin, 1791)	ben, car, sgr	1–13	North Carolina to Brazil	se, sw	4, 302, 554, 741, 837
<i>Jaspidella miris</i> Olsson, 1956	ben, car, sft	7–350	Campeche Bank to Honduras	se, sw	9, 362, 554 <sup>293</sup>
<i>Olivella acteocina</i> Olsson, 1956	ben, car, sft	25	Bahamas to Lesser Antilles	sse	554, 837
<i>Olivella bullula</i> (Reeve, 1850)	ben, car, sft	30–538	North Carolina to Panama	se, nw	4, 178, 497, 554, 837 <sup>294</sup>
<i>Olivella dealbata</i> (Reeve, 1850)	ben, car, sft	0–15	East Florida to Venezuela	entire	23, 192, 491, 554, 837
<i>Olivella floralia</i> (Duclos, 1844)	ben, car, sft	0–70	North Carolina to Brazil; Bermuda	se, ne, sw	278, 554, 588, 713, 837 <sup>31</sup>
<i>Olivella fuscocincta</i> Dall, 1889	ben, car, sft	18–457	Campeche Bank to Barbados	se	178, 362, 554
<i>Olivella inusta</i> Sowerby III, 1915	ben, car, end, sft	0	West Florida	ene	362, 741
<i>Olivella lactea</i> (Marrat, 1871)	ben, car, sft	0–40	North Carolina to Colombia; Virgin Islands	se, ne, nw	362, 497, 554, 713 <sup>295</sup>
<i>Olivella minuta</i> (Link, 1807)	ben, car, ofb, sft	0–15	Texas to Brazil	entire	23, 192, 491, 642, 837
<i>Olivella moorei</i> Abbott, 1951	ben, car, sft	210–263	Florida Keys	ese	4, 9, 362, 554 <sup>296</sup>
<i>Olivella mutica</i> (Say, 1822)	ben, car, ofb, sft	0–156	New Jersey to Brazil	se, ne	159, 410, 491, 554, 734
<i>Olivella nivea</i> (Gmelin, 1791)	ben, car, sft	0–60	North Carolina to Brazil; Bermuda	se, sw	278, 362, 554, 799, 837
<i>Olivella perplexa</i> Olsson, 1956	ben, car, sft	0–58	North Carolina to Venezuela	se, ne	283, 413, 554
<i>Olivella pusilla</i> (Marrat, 1871)	ben, car, sft	0–30	North Carolina to West Florida	ne	9, 283, 413, 554, 588
<i>Olivella rosolina</i> (Duclos, 1835)	ben, car, sft		Bermuda to Quintana Roo	sw	554, 837
<i>Olivella rotunda</i> Dall, 1889	ben, car, sft	11–1472	Florida Keys to Barbados	se	178, 554
<i>Olivella stegeri</i> Olsson, 1956	ben, car, crr, end	18–165	Campeche Bank	sse	362, 554
<i>Olivella thompsoni</i> Olsson, 1956	ben, car, end, sft	183	Texas to Florida Keys	ese, nw	362, 497, 554
<i>Olivella watermani</i> McGinty, 1940	ben, car, sft	22–525	North Carolina to Brazil	entire	205, 362, 554, 801, 837
<b>Family: Olividae</b>					
<i>Bellovia tubulata</i> (Dall, 1889)	ben, car, sft	402–988	Georgia to NW Cuba	ese	178, 362, 554
<i>Oliva circinata</i> Marrat, 1871	ben, car, sft	0–150	GMx to Brazil	ne, sw	593, 741 <sup>297</sup>
<i>Oliva finlayi</i> Petuch & Sargent, 1986	ben, car, end, sft	200	NW Cuba	ese	364, 597
<i>Oliva formosa</i> Marrat, 1870	ben, car, sft	0.5–200	East Florida to Barbados; Bermuda	se, ne, sw	741 <sup>298</sup>
<i>Oliva magdae</i> Petuch & Sargent, 1986	ben, car, end, sft	300	NW Cuba	ese	364, 597
<i>Oliva reticularis</i> Lamarck, 1811	ben, car, sft	0–200	East Florida to Venezuela; Bermuda	se, sw	205, 240, 734, 741, 837
<i>Oliva sayana</i> Ravenel, 1834	ben, car, ofb, sft	0–130	North Carolina to Quintana Roo	entire	738, 741, 799, 800, 837 <sup>299</sup>
<i>Oliva scripta</i> Lamarck, 1811	ben, car, sft	8–66	Louisiana to Brazil	entire	118, 497, 574, 741, 837 <sup>300</sup>
<b>Family: Pseudolividae</b>					
<i>Benthobia tryonii</i> Dall, 1889	ben, car, sft	686–4038	Maryland to Cuba; E. Atlantic	ne, nw	83, 578, 725

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Marginelliform Taxa</b>					
<b>Family: Cystiscidae</b>					
<i>Canalispira aurea</i> García, 2006	ben, car, end	77–81	Campeche Bay	ssw	<sup>301</sup> 263
<i>Gibberula catenata</i> (Montagu, 1803)	ben, car, sft, sgr	0–168	East Florida to Brazil	se, ne, sw	89, 163, 332, 396, 734 <sup>302</sup>
<i>Gibberula fluctuata</i> (C. B. Adams, 1850)	ben, car, hsb	0–52	Bahamas to Lesser Antilles	se	89, 240, 837 <sup>303</sup>
<i>Gibberula lavalleana</i> (d'Orbigny, 1842)	ben, car	0–73	East Florida to Brazil; Bermuda	entire	31, 118, 189, 283, 396
<i>Gibberula macarioi</i> Espinosa & Ortea, 2006	ben, car, end	2–1	NW Cuba	ese	222
<i>Gibberula olivai</i> Espinosa & Ortea, 2006	ben, car, end	30–25	NW Cuba	ese	222
<i>Gibberula pfeifferi</i> Faber, 2004	ben, car		Bahamas to Cuba	se	25, 233 <sup>304</sup>
<i>Granulina guanajatabey</i> Espinosa & Ortea, 2003	ben, car, end	1–2	NW Cuba	ese	218
<i>Granulina hadria</i> (Dall, 1889)	ben, car	0–16	East Florida to Quintana Roo	se, ne, sw	164, 173, 178, 283, 396 <sup>305</sup>
<i>Granulina tinolia</i> (Dall, 1927)	ben, car	165–538	Georgia to Florida Keys	ese	<sup>306</sup>
<i>Inbiocystiscus faroi</i> Ortea & Espinosa, 2006	ben, car, end	30–25	NW Cuba	ese	568
<i>Intelcystiscus gordonmoorei</i> Ortea & Espinosa, 2001	ben, car, end	25–30	NW Cuba	ese	565
<i>Pugnus serrei</i> (Bavay, 1911)	ben, car, crr	0–6	Bahamas to Venezuela	se	9, 302, 476, 837
<b>Family: Marginellidae</b>					
<i>Dentimargo aureocinctus</i> (Stearns, 1872)	ben, car	0–165	North Carolina to Brazil	entire	163, 396, 497, 506, 655
<i>Dentimargo eburneolus</i> (Conrad, 1834)	ben, car	0–1097	Virginia to Barbados	se, ne, sw	9, 410, 719, 739, 837 <sup>307</sup>
<i>Dentimargo fusinus</i> (Dall, 1881)	ben, car, hcs	680–1170	Georgia to Yucatan Str.	se, nnw	175, 268, 370
<i>Dentimargo gibbus</i> García, 2006	ben, car, end	73–108	Campeche Bay	ssw	263
<i>Dentimargo hennequini</i> Cossignani, 2004	ben, car	80–60	Quintana Roo	sse	170, 173 <sup>226</sup>
<i>Dentimargo kevinci</i> Cossignani, 2004	ben, car	80–60	Quintana Roo	sse	171, 173 <sup>226</sup>
<i>Dentimargo reductus</i> (Bavay, 1922)	ben, car, sft, sgr	1–50	Bahamas to Colombia	ese	396
<i>Dentimargo yucatecanus</i> (Dall, 1881)	ben, car, end	229–1170	Florida Keys to Yucatan Str.	ese, sse	9, 175, 370
<i>Eratoidea hematita</i> (Kiener, 1834)	ben, car	2–165	South Carolina to Venezuela	se, ne, sw	175, 205, 396 <sup>308</sup>
<i>Eratoidea watsoni</i> (Dall, 1881)	ben, car, end	817–1472	Yucatan Str. to Cuba	se	175
<i>Hyalina borroi</i> Espinosa & Ortea, 1998	ben, car	15–25	Cuba	se	212
<i>Hyalina cubensis</i> Espinosa & Ortea, 1999	ben, car, end		NW Cuba	ese	214
<i>Hyalina dearmasi</i> Espinosa & Ortea, 2003	ben, car, end		NW Cuba	ese	218
<i>Hyalina pallida</i> (Linnaeus, 1758)	ben, car	0–11	East Florida to Venezuela	se, sw	26, 837
<i>Osvaldoginella gomezi</i> Espinosa & Ortea, 1997	ben, car	25–55	Cuba	se	211
<i>Prunum abyssorum</i> (Tomlin, 1916)	ben, car	1170	Yucatan Strait	se	175 <sup>309</sup>
<i>Prunum amabile</i> (Redfield, 1852)	ben, car	0–229	North Carolina to Brazil	se, ne, sw	9, 178, 278, 302, 837 <sup>310</sup>

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Prunum antillanum</i> (Sarasúa, 1992)	ben, car, end	10–20	NW Cuba	ese	709
<i>Prunum apicinum</i> (Menke, 1828)	ben, car, sft	0–25	North Carolina to Virgin Ids.; ABC Islands	entire	23, 166, 240, 278, 837 <sup>311</sup>
<i>Prunum avenella</i> (Dall, 1881)	ben, car, end	192–1832	Florida Keys to Cuba	ese	166, 175
<i>Prunum bellum</i> (Conrad, 1868)	ben, car	2–366	North Carolina to Brazil	se, ne	9, 332, 396, 410 <sup>312</sup>
<i>Prunum camachoi</i> Espinosa & Ortea, 2003	ben, car, end		NW Cuba	ese	218
<i>Prunum carneum</i> (Storer, 1837)	ben, car	0–40	East Florida to Venezuela	se, ne, sw	166, 173, 278, 396, 837
<i>Prunum cassis</i> (Dall, 1889)	ben, car, end	73–185	West Florida to Cuba	se, ene	178, 332, 396
<i>Prunum catochense</i> Cossignani, 2004	ben, car	80–60	Quintana Roo	sse	170, 173 <sup>226</sup>
<i>Prunum cubanum</i> Sarasúa & Espinosa, 1977	ben, car, end		NW Cuba	ese	711
<i>Prunum gijon</i> Espinosa & Ortea, 2006	ben, car, end	18	NW Cuba	ese	224
<i>Prunum guttatum</i> (Dillwyn, 1817)	ben, car, hsb	0–31	East Florida to Colombia; Virgin Ids.	se, sw	166, 240, 278, 396, 837
<i>Prunum hartleyanum</i> (Schwengel, 1941)	ben, car	26–102	North Carolina to Campeche Bank	se, ne, sw	173, 278, 332, 396, 717 <sup>313</sup>
<i>Prunum labiatum</i> (Kiener, 1841)	ben, car	0.3–78	Campeche to Quintana Roo	se, sw	173, 278, 396, 655, 837
<i>Prunum lipei</i> (Clover, 1990)	ben, car, end	60–211	Campeche Bank to Quintana Roo	se, sw	154, 173, 205, 396, 397 <sup>314</sup>
<i>Prunum magnificum</i> (Sarasúa, 1989)	ben, car, end	20	NW Cuba	ese	707
<i>Prunum niciezai</i> Espinosa & Ortea, 1998	ben, car, end	25–50	NW Cuba	ese	173, 212
<i>Prunum nivolum</i> (Hinds, 1844)	ben, car		Campeche to Quintana Roo	se, sw	173, 837
<i>Prunum pruinosum</i> (Hinds, 1844)	ben, car	0–55	Campeche to Virgin Ids.; Nicaragua	se, sw	205, 332, 837
<i>Prunum redfieldii</i> (Tryon, 1882)	ben, car, end	329	Florida Keys to Florida Strait	ese	178, 396
<i>Prunum rostratum</i> (Redfield, 1870)	ben, car	0–154	Campeche Bank to Panama	sse, sw	178 <sup>315</sup>
<i>Prunum succinea</i> (Conrad, 1846)	ben, car, end	0–9	West Florida	ene	165, 178, 370, 396, 588 <sup>316</sup>
<i>Prunum torticulum</i> (Dall, 1881)	ben, car	69–538	Georgia to Puerto Rico	se, ne	9, 166, 175, 332, 396
<i>Volvarina abbreviata</i> (C. B. Adams, 1850)	ben, car	0–51	East Florida to Brazil; Bermuda	se	166, 302, 347, 734 <sup>317</sup>
<i>Volvarina albolineata</i> (d'Orbigny, 1842)	ben, car	0–50	East Florida to Brazil	sse	88, 302, 837
<i>Volvarina avena</i> (Kiener, 1834)	ben, car, sft	0–80	North Carolina to Brazil; Bermuda	se, ne, sw	166, 240, 278, 396, 837
<i>Volvarina baenai</i> Espinosa & Ortea, 2003	ben, car, end		NW Cuba	ese	218
<i>Volvarina banesensis</i> Espinosa & Ortea, 1999	ben, car, end		NW Cuba	ese	213
<i>Volvarina carmelae</i> Espinosa & Ortea, 1998	ben, car, end		NW Cuba	ese	173, 212
<i>Volvarina criolla</i> Espinosa & Ortea, 2003	ben, car, end		NW Cuba	ese	218

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Volvarina dulcemariae</i> Espinosa & Ortea, 1998	ben, car, end		NW Cuba	ese	173, 212
<i>Volvarina enriquei</i> Espinosa & Ortea, 1998	ben, car, end	1–1.5	NW Cuba	ese	173, 212
<i>Volvarina fauna</i> (Sowerby I, 1846)	ben, car		West Florida to Lesser Antilles	se, ne	26, 173, 734
<i>Volvarina ficoi</i> Espinosa & Ortea, 2003	ben, car, end		NW Cuba	ese	218
<i>Volvarina floresensis</i> Espinosa & Ortea, 1999	ben, car, end	15–25	NW Cuba	ese	213
<i>Volvarina fusca</i> (Sowerby II, 1846)	ben, car	68	Dry Tortugas to Puerto Rico	ese	178
<i>Volvarina garycooverti</i> Espinosa & Ortea, 1998	ben, car, end		West Florida to Florida Keys?	ese?, ene	212
<i>Volvarina ginae</i> Espinosa & Ortea, 2003	ben, car, end		NW Cuba	ese	218
<i>Volvarina habanera</i> Espinosa & Ortea, 1997	ben, car, end		NW Cuba	ese	173, 210
<i>Volvarina ibarrae</i> Espinosa & Ortea, 1998	ben, car, end		NW Cuba	ese	173, 212
<i>Volvarina isabelae</i> (Borro, 1946)	ben, car	0	Cuba to Honduras	se	73
<i>Volvarina juanjoi</i> Espinosa & Ortea, 1998	ben, car, end	0.5–1.5	NW Cuba	ese	173, 212
<i>Volvarina maya</i> Espinosa & Ortea, 1998	ben, car		NW Cuba to Colombia	se	173
<i>Volvarina mores</i> Espinosa & Ortea, 2006	ben, car, end	2	NW Cuba	ese	223
<i>Volvarina nympha</i> Espinosa & Ortea, 1998	ben, car, end		NW Cuba	ese	173, 212
<i>Volvarina splendida</i> Cossignani, 2005	ben, car, end	4	Quintana Roo	sse	172, 173
<i>Volvarina styria</i> (Dall, 1889)	ben, car	99–805	Georgia to Florida Keys	se	173, 178
<i>Volvarina subtriplicata</i> (d'Orbigny, 1842)	ben, car, hsb	9–203	East Florida to Lesser Antilles	se	178
<i>Volvarina vistamarina</i> Espinosa & Ortea, 2002	ben, car, end	1–2	NW Cuba	ese	216
<b>Superfamily: Cancellarioidea</b>					
<b>Family: Cancellariidae</b>					
<i>Admete microscopica</i> (Dall, 1889)	ben, car	366–1426	Georgia to Cuba	se, ne	178, 342
<i>Agatrix agassizii</i> (Dall, 1889)	ben, car	33–107	North Carolina to Puerto Rico	se, ne, sw	178 <sup>319</sup>
<i>Axelella smithii</i> (Dall, 1888)	ben, car, ofb	20–99	North Carolina to Venezuela	ne, nw, sw	266, 322, 497, 506, 655
<i>Cancellaria adela</i> Pilsbry, 1940	ben, car		Florida Keys to Virgin Islands	se	91, 292, 342, 601
<i>Cancellaria reticulata</i> (Linnaeus, 1767)	ben, car, ofb, sft	0–73	North Carolina to Brazil	entire	23, 91, 283, 506, 837
<i>Cancellaria richardpetiti</i> Petuch, 1987	ben, car, end	150	West Florida	ne	593
<i>Cancellaria rosewateri</i> Petit, 1983	ben, car, end, hcs	366–620	Louisiana to Alabama	nne, nnw	167, 168, 590, 847
<i>Gardiella cingulata</i> (Olsson & Bayer, 1972)	ben, car	530–549	Northern GMx to Jamaica	nne	590, 816
<i>Gardiella gerda</i> (Olsson & Bayer, 1972)	ben, car	648–864	Florida Strait	ese	555

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Trigonostoma tenerum</i> (Philippi, 1848)	ben, car	0–106	East Florida to Quintana Roo	entire	205, 268, 272, 278, 837 <sup>320</sup>
<i>Tritonoharpa cubapatriae</i> (Sarasúa, 1975)	ben, car	2–20	NW Cuba to Panama	ese	592, 702 <sup>321</sup>
<i>Tritonoharpa lanceolata</i> (Menke, 1828)	ben, car, ofb	0–178	North Carolina to Brazil; Bermuda	entire	240, 481, 502, 799, 837 <sup>322</sup>
<b>Superfamily: Conoidea</b>					
<b>Family: Conidae</b>					
<i>Conus amphiurgus</i> Dall, 1889	ben, car	9–61	North Carolina to Colombia; P. Rico	se, ne, nw	91, 130, 178, 322, 840 <sup>323</sup>
<i>Conus anabathrum</i> Crosse, 1865	ben, car	0–122	East Florida to Quintana Roo	entire	126, 283, 497, 761, 837 <sup>324</sup>
<i>Conus arangoi</i> Sarasúa, 1977	ben, car	10–30	Bahamas to Cuba	se	703
<i>Conus armiger</i> Crosse, 1858	ben, car, ofb	35–227	Texas to Surinam	ne, nw, sw	497, 649, 738, 750, 840 <sup>325</sup>
<i>Conus attenuatus</i> Reeve, 1844	ben, car	10–81	Bahamas to Lesser Antilles	se	700 <sup>326</sup>
<i>Conus aureonimbosus</i> Petuch, 1987	ben, car, end	70–150	West Florida	ne	593
<i>Conus burryae</i> Clench, 1942	ben, car, end	0–2	Florida Keys to Campeche	se, sw	91, 126, 130, 761
<i>Conus cancellatus</i> Hwass, 1792	ben, car, ofb	26–110	East Florida to Surinam	entire	130, 161, 497, 665, 738 <sup>327</sup>
<i>Conus caribbaeus</i> Clench, 1942	ben, car		East Florida to Virgin Islands	se	126, 745, 750
<i>Conus daucus</i> Hwass, 1792	ben, car, ofb, sft	0–120	East Florida to Brazil	se, ne, nw	95, 126, 240, 653, 745
<i>Conus delessertii</i> Récluz, 1843	ben, car	15–198	North Carolina to Campeche Bank; Bermuda	entire	130, 268, 497, 738, 840 <sup>328</sup>
<i>Conus ermineus</i> Born, 1778	ben, car, crr, ofb	0–101	East Florida to Brazil; E. Atlantic	se, ne, nw	253, 398, 588, 837, 840 <sup>329</sup>
<i>Conus flavescens</i> Sowerby II, 1834	ben, car, sft	0–122	East Florida to Venezuela	se, ne	16, 126, 745
<i>Conus gadesi</i> Espinosa & Ortea, 2005	ben, car	18–23	Bahamas to Cuba	se	220
<i>Conus granulatus</i> Linnaeus, 1758	ben, car	0–30	East Florida to Barbados	se, ne, sw	91, 130, 837
<i>Conus havanensis</i> Aguayo & Pérez Farfante, 1947	ben, car	10–30	Bahamas to Jamaica	se	130, 240, 700, 840
<i>Conus mazei</i> Deshayes, 1874	ben, car, sft	152–549	Texas to Barbados	ne, nw, sw	130, 145, 190, 578, 738 <sup>330</sup>
<i>Conus mcgintyi</i> Pilsbry, 1955	ben, car	55–219	East Florida to Brazil	se, ne	604, 750
<i>Conus mindanus</i> Hwass, 1792	ben, car	0–210	Bermuda to Brazil	se, nw, sw	253, 398, 745 <sup>331</sup>
<i>Conus mus</i> Hwass, 1792	ben, car, crr, hsb	0–18	North Carolina to Barbados; Bermuda	entire	22, 240, 251, 472, 837 <sup>331</sup>
<i>Conus patae</i> Abbott, 1971	ben, car	9–61	East Florida to Jamaica	se, nw, sw	266, 278, 713 <sup>332</sup>
<i>Conus pealii</i> Green, 1830	ben, car	0	East Florida to Cayman Islands	se, ne	26, 91, 178, 729, 823 <sup>333</sup>
<i>Conus rainesae</i> McGinty, 1953	ben, car, end	55–110	West Florida to Campeche Bank	se, ne, sw	445, 759, 803 <sup>334</sup>
<i>Conus regius</i> Gmelin, 1791	ben, car, crr, ofb	0–95	East Florida to Brazil	se, ne, nw	126, 240, 745, 837 <sup>335</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Conus riosi</i> Petuch, 1986	ben, car	50–61	Louisiana to Brazil	nw, sw	253, 267, 750
<i>Conus sauros</i> García, 2006	ben, car, end, sft	48–140	Texas to Campeche Bay	nne, nw, ssw	262
<i>Conus sennottorum</i> Rehder & Abbott, 1951	ben, car	26–106	West Florida to Venezuela	se, ne, sw	205, 650, 738, 837, 840
<i>Conus spurius</i> Gmelin, 1791	ben, car, sft	0–64	East Florida to Venezuela	se, ne, sw	118, 126, 738, 782, 840
<i>Conus stearnsii</i> Conrad, 1869	ben, car, end, sft	0–57	West Florida to Florida Keys	se, ne	283, 588, 823 <sup>336</sup>
<i>Conus stimpsoni</i> Dall, 1902	ben, car	42–196	East Florida to Campeche Bank	entire	130, 267, 497, 738, 801 <sup>337</sup>
<i>Conus vilipinii</i> Fischer & Bernardi, 1857	ben, car	25–475	East Florida to Brazil; Bermuda	entire	130, 497, 738, 760, 837 <sup>338</sup>
<b>Family: Terebridae</b>					
<i>Hastula cinerea</i> (Born, 1778)	ben, car, ofb, sft	0–27	Georgia to Brazil; E. Atlantic	entire	240, 456, 734, 800, 837
<i>Hastula hastata</i> (Gmelin, 1791)	ben, car, sft	0–75	East Florida to Brazil; Bermuda	se	91, 92, 240, 302, 837
<i>Hastula maryleeae</i> R. Burch, 1965	ben, car, sft	0	Texas to Tobago	nw, sw	23, 92, 192, 837
<i>Hastula salleana</i> (Deshayes, 1859)	ben, car, sft	0	East Florida to Brazil	entire	22, 23, 92, 837
<i>Terebra acrior</i> Dall, 1889	ben, car, sft	77–183	GMx to Barbados	se, sw	348, 605 <sup>340</sup>
<i>Terebra alba</i> Gray, 1834	ben, car, sft		East Florida to Lesser Antilles	nw	92
<i>Terebra arcas</i> Abbott, 1954	ben, car, end, sft	4–91	Texas to Campeche	ne, nw, sw	7, 92, 336 <sup>341</sup>
<i>Terebra benthalis</i> Dall, 1889	ben, car, sft	732–907	Georgia to Lesser Antilles	ese	92, 178
<i>Terebra concava</i> (Say, 1826)	ben, car, sft	7–113	North Carolina to Brazil	entire	92, 159, 410, 497, 655
<i>Terebra dislocata</i> (Say, 1822)	ben, car, ofb, sft	0–146	Maryland to Brazil; E. Pacific	entire	23, 92, 785, 799, 837 <sup>31</sup>
<i>Terebra evelynae</i> Clench & Aguayo, 1939	ben, car, sft	65–411	Cuba	se	92, 139, 348
<i>Terebra floridana</i> Dall, 1889	ben, car, sft	9–216	South Carolina to Quintana Roo	se, ne, sw	7, 92, 497, 738
<i>Terebra glossema</i> Schwengel, 1942	ben, car, sft	2–13	East Florida to ABC Islands	se, ne	92, 266, 278, 713, 718
<i>Terebra limatula</i> Dall, 1889	ben, car, sft	40–203	North Carolina to Campeche Bank	nw, sw	497, 653, 655 <sup>342</sup>
<i>Terebra lindae</i> Petuch, 1987	ben, car, end, sft	61–183	Alabama	nne	260, 593, 770
<i>Terebra mugridgeae</i> García, 1999	ben, car, end, sft	18–56	Mississippi	nne, nnw	252, 267
<i>Terebra nassula</i> Dall, 1889	ben, car, sft	55–1170	Louisiana to Lesser Antilles	se, ne	92, 205, 268, 336
<i>Terebra protexta</i> (Conrad, 1846)	ben, car, ofb, sft	1–106	North Carolina to Brazil	entire	23, 178, 283, 655, 837
<i>Terebra taurina</i> (Lightfoot, 1786)	ben, car, sft	1–80	East Florida to Brazil	se, ne, nw	23, 92, 624, 738 <sup>343</sup>
<i>Terebra vinosa</i> Dall, 1889	ben, car, sft	0–63	North Carolina to Campeche Bank	ne, sw	92, 178, 266, 734, 785 <sup>344</sup>

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Turridae</b>					
<b>Subfamily: Clathurellinae</b>					
<i>Bathytoma mitrella</i> (Dall, 1881)	ben, car	823–1170	Yucatan Str. to Lesser Antilles	se	175
<i>Bathytoma viabrunnea</i> (Dall, 1889)	ben, car	183–653	East Florida to Barbados	se	205, 738, 751, 862
<i>Corinnaeturris leucomata</i> (Dall, 1881)	ben, car	100–3365	South Carolina to Brazil; E. Atlantic	ne, nw	175, 578, 862
<i>Cymakra torticula</i> (Dall, 1889)	ben, car, end	732	NW Cuba	ese	116, 178
<i>Drilliola loprestiana</i> (Calcara, 1841)	ben, car	48–1829	Georgia to Brazil; Bermuda	ne, nw, sw	82, 175, 266, 523, 578 <sup>345</sup>
<i>Drilliola pruina</i> (Watson, 1881)	ben, car	878–2359	Massachusetts to Texas; E. Atlantic	ne, nw	578 <sup>346</sup>
<i>Glyphostoma dentiferum</i> Gabb, 1872	ben, car, end	27–140	Alabama to Florida Keys	ese, ne	178, 653, 862 <sup>347</sup>
<i>Glyphostoma elsa</i> Bartsch, 1934	ben, car	53–67	GMx to Puerto Rico	ne, sw	33, 862
<i>Glyphostoma epicasta</i> Bartsch, 1934	ben, car	150–658	Louisiana to Brazil	nw, sw	102, 266, 267 <sup>348</sup>
<i>Glyphostoma gabpii</i> (Dall, 1889)	ben, car	55–780	East Florida to Brazil	se, ne, nw	178, 266, 355, 524, 862 <sup>349</sup>
<i>Glyphostoma golfoyaquense</i> Maury, 1917	ben, car, end	128–421	West Florida to Yucatan Peninsula	se, ene	355, 862
<i>Glyphostoma gratulum</i> (Dall, 1881)	ben, car, ofb	55–1472	East Florida to Puerto Rico	se, ne, nw	175, 577, 862
<i>Glyphostoma herminea</i> Bartsch, 1934	ben, car	37–165	GMx to Brazil	ne, sw	33, 862 <sup>350</sup>
<i>Glyphostoma pilsbryi</i> Schwengel, 1940	ben, car	91–183	East Florida to Campeche Bank	se, sw	715, 862 <sup>351</sup>
<i>Microdrillia trina</i> Mansfield, 1925	ben, car	500	West Florida to Venezuela	ne	862
<i>Mitrolumna biplicata</i> (Dall, 1889)	ben, car	10–805	Georgia to Barbados	se, ne, nw	266, 523, 801, 862
<i>Nannodiella oxia</i> (Bush, 1885)	ben, car	0–93	North Carolina to Quintana Roo	entire	104, 266, 524, 837, 862 <sup>352</sup>
<i>Nannodiella vespuciana</i> (d'Orbigny, 1847)	ben, car, sft	0–103	North Carolina to Brazil	entire	266, 283, 524, 837, 862 <sup>353</sup>
<b>Subfamily: Cochlespirinae</b>					
<i>Cochlespira elegans</i> (Dall, 1881)	ben, car	55–1472	East Florida to Colombia; Jamaica	se, ne	95, 175, 578, 738, 751
<i>Cochlespira radiata</i> (Dall, 1889)	ben, car	24–1170	North Carolina to Barbados	entire	178, 523, 574, 655, 862
<i>Leucosyrinx pelagia</i> (Dall, 1881)	ben, car, sft	805–986	Georgia to West Florida	ene	175
<i>Leucosyrinx subgrundifera</i> (Dall, 1888)	ben, car	752–1719	South Carolina to Yucatan Str.	se, ne, nw	178, 264, 578, 579
<i>Leucosyrinx tenoceras</i> (Dall, 1889)	ben, car, sft	402–1463	South Carolina to Brazil	ne, nw	178, 264, 578, 738, 862
<i>Leucosyrinx verrillii</i> (Dall, 1881)	ben, car, sft	274–2910	South Carolina to Brazil; E. Atlantic	se, ne, nw	82, 178, 264, 578, 862
<i>Pyrgospira ostrearum</i> (Stearns, 1872)	ben, car, sft	0–165	North Carolina to Brazil	entire	238, 283, 523, 837, 862
<i>Pyrgospira tampaensis</i> (Bartsch & Rehder, 1939)	ben, car, sft, sgr	0–165	North Carolina to Brazil	entire	23, 283, 751, 837, 862 <sup>354</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Subfamily: Crassispirinae</b>					
<i>Crassispira cubana</i> (Melvill, 1923)	ben, car	1–91	East Florida to Brazil	se, ne, sw	645, 837, 862 <sup>355</sup>
<i>Crassispira dysoni</i> (Reeve, 1846)	ben, car, hsb, sgr		Campeche to Colombia	sw	249
<i>Crassispira fuscescens</i> (Reeve, 1843)	ben, car, sgr	0.6–90	East Florida to Brazil	entire	302, 497, 544, 655, 837
<i>Crassispira nigrescens</i> (C. B. Adams, 1845)	ben, car, hsb	1.5–6	Campeche to Brazil	sw	837, 862
<i>Crassispira premorra</i> (Dall, 1889)	ben, car	183–732	Georgia to NW Cuba	ese	178, 179
<i>Hindsiclava alesidota</i> (Dall, 1889)	ben, car	26–272	North Carolina to Texas	se, ne, nw	205, 578, 579, 751, 862
<i>Hindsiclava macilenta</i> (Dall, 1889)	ben, car	65–203	South Carolina to Barbados	ne, sw	178, 862 <sup>356</sup>
<i>Inodrillia acova</i> Bartsch, 1943	ben, car, end	137–247	Florida Keys	ese	36, 862
<i>Inodrillia cestrota</i> (Dall, 1889)	ben, car	200–538	Georgia to Florida Keys	se, ne	36, 178, 355 <sup>357</sup>
<i>Inodrillia dido</i> Bartsch, 1943	ben, car, end	64–165	Florida Keys	ese	36, 355, 862
<i>Inodrillia gibba</i> Bartsch, 1943	ben, car, end	146	Florida Keys	ese	36, 862
<i>Inodrillia hesperia</i> Bartsch, 1943	ben, car, end	201–263	Florida Keys	ese	36, 862
<i>Inodrillia hilda</i> Bartsch, 1943	ben, car, end	216–247	Florida Keys	ese	36, 862
<i>Inodrillia ino</i> Bartsch, 1943	ben, car, end	183–247	Florida Keys	ese	36, 355, 862
<i>Inodrillia nucleata</i> (Dall, 1881)	ben, car	137–713	East Florida to Puerto Rico	se	36, 175, 355, 862
<i>Inodrillia pharcida</i> (Dall, 1889)	ben, car	183–1832	Florida Keys to Barbados	se	178, 862
<i>Inodrillia vetula</i> Bartsch, 1943	ben, car, end	165–183	Florida Keys	ese	36, 355, 862
<i>Lioglyphostoma aguadillanum</i> (Dall & Simpson, 1901)	ben, car	50–53	Campeche Bay to Puerto Rico	sw	<sup>358</sup>
<i>Lioglyphostoma antillarum</i> (d'Orbigny, 1847)	ben, car	50–123	GMx to Brazil	ne, nw, sw	862 <sup>359</sup>
<i>Lioglyphostoma hendersoni</i> (Bartsch, 1934)	ben, car	77–421	North Carolina to Brazil	se, ne, sw	355, 791, 862
<i>Lioglyphostoma oenoa</i> (Bartsch, 1934)	ben, car	65–293	East Florida to Puerto Rico	se, ne, sw	9, 862 <sup>360</sup>
<i>Lioglyphostoma woodringi</i> Fargo, 1953	ben, car, end	46	Louisiana	nnw	523, 862
<b>Subfamily: Drilliinae</b>					
<i>Bellaspira pentagonalis</i> (Dall, 1889)	ben, car	13–366	North Carolina to Campeche Bank	ne, nw, sw	268, 589, 862 <sup>361</sup>
<i>Cerodrillia carminura</i> (Dall, 1889)	ben, car	183–203	West Florida to Barbados	ne	178, 862
<i>Cerodrillia clappi</i> Bartsch & Rehder, 1939	ben, car, end	7–73	Texas to Florida Keys	se, ne, nw	41, 355, 523, 588, 862
<i>Cerodrillia girardi</i> Lyons, 1972	ben, car	49–73	North Carolina to Louisiana	se, ne	402, 862
<i>Cerodrillia perryae</i> Bartsch & Rehder, 1939	ben, car, sft	2–95	GMx to Brazil	entire	41, 413, 837, 862 <sup>362</sup>
<i>Cerodrillia schroederi</i> Bartsch & Rehder, 1939	ben, car, end	9–110	Texas to West Florida	ene, nw	41, 523, 588, 862
<i>Cerodrillia simpsoni</i> (Dall, 1887)	ben, car	9–82	North Carolina to Brazil	ne, nw	355, 523, 731, 862
<i>Cerodrillia thea</i> (Dall, 1884)	ben, car, ofb, sft	0–203	Texas to Brazil	se, ne, nw	91, 176, 385, 577, 862



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Cerodrillia verrillii</i> (Dall, 1881)	ben, car, end	73–567	West Florida to NW Cuba	ese, ene	9, 175
<i>Clathrodrillia albicoma</i> (Dall, 1889)	ben, car	154–1470	East Florida to Brazil	se, ne	178, 355, 862
<i>Dougllassia bealiana</i> Schwengel & McGinty, 1942	ben, car	26–91	East Florida to Brazil	ne	255, 722, 862
<i>Drillia blacki</i> (Petuch, 2004)	ben, car, end	1.5	Florida Keys to Campeche Bank	ese	596, 862
<i>Drillia cydia</i> (Bartsch, 1943)	ben, car, sft, sgr	0–183	North Carolina to Barbados	se, ne, nw	266, 414, 497, 523, 862
<i>Drillia havanensis</i> (Dall, 1881)	ben, car, end	479–1170	Yucatan Str. to NW Cuba	ese	175
<i>Drillia oleacina</i> (Dall, 1881)	ben, car	525–622	Cuba to Lesser Antilles	se	175, 178
<i>Drillia wolfei</i> Tippet, 1995	ben, car	36–73	North Carolina to Campeche Bay	sw	791 <sup>363</sup>
<i>Fenimorea fucata</i> (Reeve, 1845)	ben, car, sft, sgr	6–45	Bahamas to Brazil	ne	862
<i>Fenimorea halidorema</i> Schwengel, 1940	ben, car, hsb	0–110	East Florida to Brazil	se, nw, sw	253, 266, 715 <sup>364</sup>
<i>Fenimorea janetae</i> Bartsch, 1934	ben, car	0–128	Texas to Puerto Rico; Honduras	se, nw, sw	205, 523, 837, 862
<i>Fenimorea kathyae</i> Tippet, 1995	ben, car	58–152	East Florida to Barbados	ne	791, 862
<i>Fenimorea pagodula</i> (Dall, 1889)	ben, car	30–282	GMx to Brazil	se, ne, sw	178, 266, 791, 862 <sup>365</sup>
<i>Fenimorea petiti</i> Tippet, 1995	ben, car, end	59	West Florida	ene	791, 862
<i>Fenimorea sunderlandi</i> (Petuch, 1987)	ben, car	61–150	East Florida to Barbados	ne, nw	593, 772, 862
<i>Globidrillia smirna</i> (Dall, 1881)	ben, car	699–755	Louisiana to Colombian Ids.	se, ne, nw	175, 178, 264
<i>Leptadrillia cookei</i> (E. A. Smith, 1888)	ben, car	0–421	East Florida to Brazil	ne, nw, sw	497, 523, 655, 862 <sup>366</sup>
<i>Spirotropis centimata</i> (Dall, 1889)	ben, car	1337–3590	South Carolina to Alabama; E. Atlantic	ne	82, 178, 578
<i>Spirotropis lithocolleta</i> (Watson, 1881)	ben, car	80–1061	North Carolina to Brazil	ne, nw	178, 578
<i>Splendrillia lissotropis</i> (Dall, 1881)	ben, car	30–453	East Florida to Brazil	se, ne	175, 862
<i>Splendrillia moseri</i> (Dall, 1889)	ben, car	5–93	North Carolina to Brazil	entire	413, 523, 645, 837, 862 <sup>367</sup>
<i>Splendrillia woodringi</i> (Bartsch, 1934)	ben, car	37–188	Texas to Brazil	ne, nw	102, 104, 523, 862
<i>Stenodrillia horrenda</i> (Watson, 1886)	ben, car	396–640	Florida Keys to Brazil	se	757
<i>Viridrillia cervina</i> Bartsch, 1943	ben, car	22–174	North Carolina to Virgin Islands	se	36, 178, 605 <sup>368</sup>
<i>Viridrillia hendersoni</i> Bartsch, 1943	ben, car, end	64–201	Florida Keys	ese	36, 862
<i>Viridrillia williamsi</i> Bartsch, 1943	ben, car	27–174	East Florida to Florida Keys	se	36, 862
<b>Subfamily: Mangeliinae</b>					<sup>369</sup>
<i>Agathotoma candidissima</i> (C. B. Adams, 1845)	ben, car, sft	0–103	East Florida to Brazil; Bermuda	entire	266, 302, 524, 700, 837 <sup>370</sup>
<i>Bactrocythara asarca</i> (Dall & Simpson, 1901)	ben, car	46–101	Texas to Colombia; Puerto Rico	se, nw	497, 524, 528, 862
<i>Benthomangelia antonia</i> (Dall, 1881)	ben, car, hcs, sft	124–3834	New Jersey to Brazil; E. Atlantic	se, ne, nw	82, 175, 268, 578

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Benthomangelia bandella</i> (Dall, 1881)	ben, car	183–3840	East Florida to Lesser Antilles	nne	82, 175, 264, 862
<i>Benthomangelia macra</i> (Watson, 1881)	ben, car	156–1682	West Florida to Brazil; E. Atlantic	ne, nw	578
<i>Brachycythara barbarae</i> Lyons, 1972	ben, car	0–103	North Carolina to Brazil	se, ne, nw	402, 525, 862
<i>Brachycythara biconica</i> (C. B. Adams, 1850)	ben, car, sft	0–90	North Carolina to Brazil	entire	402, 525, 672, 837, 862
<i>Brachycythara galae</i> Fargo, 1953	ben, car, end	81–86	Louisiana to Quintana Roo	sse, nw, sw	837 <sup>371</sup>
<i>Brachycythara multincinctata</i> Rolán & Espinosa, 1999	ben, car	15–50	Cuba	se	672
<i>Cryoturris adamsii</i> (E. A. Smith, 1884)	ben, car	17–22	Texas to Brazil	nw	103, 104 <sup>372</sup>
<i>Cryoturris cerinella</i> (Dall, 1889)	ben, car, ofb, sft	0–73	North Carolina to Quintana Roo	ne, nw, sw	283, 413, 800, 837, 862
<i>Cryoturris fargoii</i> McGinty, 1955	ben, car	11–80	North Carolina to Colombia	ne, nw	102, 104, 410, 446
<i>Cryoturris quadrilineata</i> (C. B. Adams, 1850)	ben, car	15–20	Campeche to Colombia; Virgin Ids.	se, sw	837, 862
<i>Cryoturris vincula</i> (Usticke, 1969)	ben, car		West Florida to Lesser Antilles	ne	90, 390
<i>Glyphoturris eritima</i> (Bush, 1885)	ben, car	27–71	North Carolina to Louisiana	nnw	266, 267, 862
<i>Glyphoturris quadrata</i> (Reeve, 1845)	ben, car	0–93	East Florida to Brazil; Bermuda	se, ne, nw	266, 283, 497, 524, 862
<i>Glyphoturris rugirima</i> (Dall, 1889)	ben, car	2–366	East Florida to Brazil; Bermuda	se, ne, sw	178, 588, 655, 837, 862
<i>Glyptaesopus proctorae</i> (M. Smith, 1936)	ben, car		Bahamas to Florida Keys	se	633, 862
<i>Granoturris presleyi</i> Lyons, 1972	ben, car, end	18	West Florida	ene	402, 862
<i>Ithycythara auberiana</i> (d'Orbigny, 1847)	ben, car	1–100	East Florida to Brazil	entire	267, 862 <sup>373</sup>
<i>Ithycythara chechoi</i> Espinosa & Ortea, 2004	ben, car	23–52	Bahamas to Cuba	se	219
<i>Ithycythara cymella</i> (Dall, 1889)	ben, car	128–402	West Florida to Barbados	ne, sw	178, 267, 355, 655, 862
<i>Ithycythara lanceolata</i> (C. B. Adams, 1850)	ben, car, sft, sgr	0–100	East Florida to Brazil	entire	102, 266, 497, 837, 862
<i>Ithycythara parkeri</i> Abbott, 1958	ben, car	1–55	North Carolina to Colombia; P. Rico	se, ne, sw	9, 837, 862
<i>Ithycythara psila</i> (Bush, 1885)	ben, car, ofb	88–465	North Carolina to Venezuela	ne, nw	266, 497, 862
<i>Kurtziella atrostyla</i> (Tryon, 1884)	ben, car, sft	0–88	North Carolina to Quintana Roo	entire	283, 410, 524, 837, 862
<i>Kurtziella cerina</i> (Kurtz & Stimpson, 1851)	ben, car	1–55	Massachusetts to Campeche Bank	entire	103, 471, 837, 862
<i>Kurtziella citronella</i> (Dall, 1886)	ben, car	26–421	North Carolina to Virgin Islands	se, ne, nw	524, 574, 862
<i>Kurtziella dorvilliae</i> (Reeve, 1845)	ben, car	0–50	East Florida to Brazil	entire	26, 102, 355, 862 <sup>374</sup>
<i>Kurtziella limonitella</i> (Dall, 1884)	ben, car, sft	0–91	North Carolina to Texas	ne, nw	159, 192, 410, 528, 862

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Kurtziella margaritifera</i> Fargo, 1953	ben, car	22–56	East Florida to Louisiana	ne, nw	238, 266 <sup>375</sup>
<i>Kurtziella perryae</i> Bartsch & Rehder, 1939	ben, car, end	0	Texas to West Florida	ne, nw	41, 575, 587, 862
<i>Kurtziella serga</i> (Dall, 1881)	ben, car	6–1966	Bermuda to Brazil; E. Atlantic	ne, nw, sw	104, 266, 524, 574, 862 <sup>376</sup>
<i>Mangelia subsida</i> (Dall, 1881)	ben, car, end	620	Florida Strait	ese	175
<i>Micropleurotomella lophoessa</i> (Watson, 1882)	ben, car	640–1234	West Florida to Brazil	ne	578
<i>Platycythara elata</i> (Dall, 1889)	ben, car, sft	11–93	North Carolina to Puerto Rico	ne, nw, sw	410, 497, 862 <sup>377</sup>
<i>Pyrgocythara cinctella</i> (Pfeiffer, 1840)	ben, car	0–2	Campeche to Brazil	se, sw	233, 837 <sup>378</sup>
<i>Pyrgocythara filosa</i> Rehder, 1943	ben, car	8–15	West Florida to Colombia	se, ne	355, 645, 862
<i>Pyrgocythara hemphilli</i> Bartsch & Rehder, 1939	ben, car, sft	0–1	Bahamas to West Florida	ne	41, 355, 385, 785, 862
<i>Pyrgocythara plicosa</i> (C. B. Adams, 1850)	ben, car, sft, sgr	0–22	Massachusetts to Panama	entire	23, 413, 642, 837, 862
<i>Rubellatoma diomedea</i> Bartsch & Rehder, 1939	ben, car, end, ofb	0–49	Texas to Campeche Bank	se, ne, nw	41, 283, 524, 837, 862
<i>Rubellatoma rubella</i> (Kurtz & Stimpson, 1851)	ben, sft	11–146	North Carolina to Brazil	ne, nw	266, 355, 410, 524, 862
<i>Saccharoturris monocingulata</i> (Dall, 1889)	ben, car	65–402	GMx to Barbados	ne, sw	178, 862 <sup>379</sup>
<i>Stellatoma stellata</i> (Stearns, 1872)	ben, car	2	East Florida to Brazil	se, ne, sw	283, 413, 739, 837, 862
<i>Tenaturris inepta</i> (E. A. Smith, 1882)	ben, car, ofb, sgr	0–823	East Florida to Brazil; Bermuda	entire	283, 355, 525, 577, 862 <sup>380</sup>
<i>Tenaturris trilineata</i> (C. B. Adams, 1845)	ben, car, sft	2	Campeche to Colombia; Virgin Ids.	sw	837, 862
<i>Thelecythara floridana</i> Fargo, 1953	ben, car	20–25	Texas to Venezuela; E. Pacific	se, nw	497, 524, 543, 702, 862 <sup>381</sup>
<i>Thelecythara mucronata</i> (Guppy, 1896)	ben, car	0–50	Texas to Brazil	nw, sw	524, 837, 862
<i>Vitricythara metria</i> (Dall, 1903)	ben, car	0–55	North Carolina to Venezuela	ne, nw, sw	104, 497, 524, 655, 862 <sup>382</sup>
<b>Subfamily: Raphitominæ</b>					
<i>Anticlinura atlantica</i> García, 2005	ben, car, end	490–400	Alabama	nne	261
<i>Daphnella antillana</i> Espinosa & Fernández-Garcés, 1990	ben, car	10–15	North Cuba to South Cuba	se	207
<i>Daphnella corbicula</i> (Dall, 1889)	ben, car	46–238	North Carolina to Brazil	ne, nw	9, 266, 525
<i>Daphnella cubana</i> Espinosa & Fernández-Garcés, 1990	ben, car	6–70	Campeche Bank to Cuba	sw	207, 862 <sup>383</sup>
<i>Daphnella dilecta</i> Sarasúa, 1992	ben, car, end		NW Cuba	ese	708
<i>Daphnella eugrammata</i> Dall, 1902	ben, car, end	371	NW Cuba	ese	185, 207, 862
<i>Daphnella leucophlegma</i> (Dall, 1881)	ben, car, end, sft	1472	NW Cuba	ese	175
<i>Daphnella lymneiformis</i> (Kiener, 1840)	ben, car, hsb	0–46	East Florida to Brazil	se, nw, sw	207, 240, 302, 497, 799
<i>Daphnella margaretae</i> Lyons, 1972	ben, car, hsb	15–94	East Florida to Brazil	se, sw	402, 862 <sup>384</sup>
<i>Daphnella peripla</i> (Dall, 1881)	ben, car, end, sft	402–1170	West Florida to Yucatan Str.	se, ene	9, 175

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Daphnella reticulosa</i> (Dall, 1889)	ben, car	2–139	West Florida to Barbados	se, ne, nw	207, 251, 266, 862
<i>Daphnella retifera</i> (Dall, 1889)	ben, car	37–124	North Carolina to Brazil	ne, nw, sw	525, 862 <sup>385</sup>
<i>Eubela limacina</i> (Dall, 1881)	ben, car	155–1472	New Jersey to Brazil	se, ne	175, 179, 862
<i>Eubela mcgintyi</i> Schwengel, 1943	ben, car	55–146	West Florida, East Florida	ne	719, 862
<i>Eucyclotoma cingulata</i> (Dall, 1890)	ben, car	26–80	Bahamas to Brazil	ne, sw	862 <sup>386</sup>
<i>Eucyclotoma stegeri</i> (McGinty, 1955)	ben, car	25–150	East Florida to Brazil	se, ne, sw	446, 497, 655, 751, 862
<i>Famelica catharinae</i> (Verrill & Smith, 1884)	ben, car	1542–3718	Massachusetts to West Florida, E. Atlantic	ne	578
<i>Famelica mirmidina</i> (Dautzenberg & Fischer, 1896)	ben, car	1200–800	West Florida; Eastern Atlantic	ne	578
<i>Gymnobela agassizii</i> (Verrill & Smith, 1880)	ben, car, sft	71–3383	Mass. to Tobago; E. Atlantic	se, nw	178, 578, 862
<i>Gymnobela bairdii</i> (Verrill & Smith, 1884)	ben, car	1061–4062	New Jersey to West Florida	ne	578
<i>Gymnobela blakeana</i> (Dall, 1881)	ben, car, hcs	620–3082	Massachusetts to Yucatan Str.	se, ne, nw	175, 268, 578
<i>Gymnobela edgariana</i> (Dall, 1889)	ben, car	380–528	Louisiana to Lesser Antilles	ne	578, 751
<i>Gymnobela extensa</i> (Dall, 1881)	ben, car, end, hcs	512–1830	Louisiana to Cuba	se, nw	123, 175, 178, 268, 847 <sup>387</sup>
<i>Gymnobela felderi</i> García, 2005	ben, car, end	587	Louisiana	nnw	261
<i>Gymnobela filifera</i> (Dall, 1881)	ben, car, end, hcs	55–640	Louisiana to West Florida	ne, nw	175, 268, 862
<i>Gymnobela fredericqae</i> García, 2005	ben, car, end	680–640	Louisiana	nnw	261
<i>Gymnobela malmii</i> (Dall, 1889)	ben, car	225–1472	Louisiana to Cuba; E. Atlantic	se, ne, nw	178, 259, 862 <sup>388</sup>
<i>Gymnobela petiti</i> García, 2005	ben, car, end	509–496	West of Dry Tortugas	ese	261
<i>Phymorhynchus sulcifer</i> (Bush, 1893)	ben, car	937–1196	South Carolina to Texas	nw	578
<i>Pleurotomella benedicti</i> Verrill & Smith, 1884	ben, car	1682–2756	Mass. to Lesser Ant.; E. Atlantic	nne	264, 578
<i>Pleurotomella circumvoluta</i> (Watson, 1881)	ben, car, end, ofb	620	Florida Strait	ese	175 <sup>389</sup>
<i>Pleurotomella elusiva</i> (Dall, 1881)	ben, car, sft	713–1170	Yucatan Str. to Puerto Rico	se	175
<i>Pleurotomella hadria</i> (Dall, 1889)	ben, car, sft	744–2160	North Carolina to Alabama	ne	178
<i>Pleurotomella ipara</i> (Dall, 1881)	ben, car, hcs	72–1682	Louisiana to Brazil	se, ne, nw	175, 268, 578, 862
<i>Pleurotomella pandionis</i> (A. E. Verrill, 1880)	ben, car	435–2100	New Jersey to West Florida	ne, nw	190, 578
<i>Rimosodaphnella morra</i> (Dall, 1881)	ben, car	9–823	North Carolina to Brazil	entire	175, 266, 355, 525, 862 <sup>390</sup>
<i>Teretiopsis thaumatopsis</i> (Dautzenberg & Fischer, 1896)	ben, car	805	Georgia to West Florida; E. Atlantic	ne	578 <sup>391</sup>
<i>Theta chariessa</i> (Watson, 1881)	ben, car	384–4791	Mass. to Brazil; E. Atlantic	nne, nw	264, 578 <sup>392</sup>
<b>Subfamily: Strictispirinae</b>					
<i>Strictispira drangai</i> (Schwengel, 1951)	ben, car	0.5–48	East Florida to Barbados	se, ne	792

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Strictispira paxillus</i> (Reeve, 1845)	ben, car, hsb	0–22	Bahamas to Brazil	sw	414, 792
<i>Strictispira redferni</i> Tippett, 2006	ben, car	0–29	Bahamas to Jamaica	se, ne	792, 862 <sup>393</sup>
<i>Strictispira solida</i> (C. B. Adams, 1850)	ben, car, sft, sgr	0.3–208	East Florida to Brazil	se, sw	182, 786, 792, 862 <sup>394</sup>
<b>Subfamily: Turrinae</b>					
<i>Gemmula periselida</i> (Dall, 1889)	ben, car, sft	150–2432	North Carolina to Colombia	entire	264, 578, 738, 757, 862 <sup>395</sup>
<i>Polystira albida</i> (G. Perry, 1811)	ben, crr, ofb, sft	15–274	East Florida to Brazil	se, ne, nw	205, 523, 578, 738, 799 <sup>31</sup>
<i>Polystira florencae</i> Bartsch, 1934	ben, car, crr	1–219	Bahamas to Brazil	ne, sw	655, 862
<i>Polystira tellea</i> (Dall, 1889)	ben, end, sft	53–439	Texas to West Florida	ne, nw	190, 523, 738, 757, 862 <sup>31</sup>
<i>Polystira vibex</i> (Dall, 1889)	ben, car	73–366	East Florida to Lesser Antilles	se, ne	178, 355, 757, 862
<b>Subfamily: Zonulispirinae</b>					
<i>Compsodrillia aestra</i> (Dall, 1889)	ben, car	58–732	GMx to Brazil	se, ne, sw	178, 655, 738, 862
<i>Compsodrillia canna</i> (Dall, 1889)	ben, car	74–311	North Carolina to Lesser Antilles	ne, nw	178, 255, 267, 862
<i>Compsodrillia disticha</i> Bartsch, 1934	ben, car	238–329	West Florida to Puerto Rico	ne	862
<i>Compsodrillia eucosmia</i> (Dall, 1889)	ben, car	18–311	GMx to Surinam	se, ne, sw	178, 355, 757, 862 <sup>396</sup>
<i>Compsodrillia haliostrephis</i> (Dall, 1889)	ben, car, ofb	48–154	Louisiana to Brazil	se, ne, nw	178, 268, 355, 801, 862
<i>Compsodrillia polytorta</i> (Dall, 1881)	ben, car	755	Yucatan Strait	se	175 <sup>397</sup>
<i>Compsodrillia tristicha</i> (Dall, 1889)	ben, car	164–384	Mississippi to Brazil	ne	9, 178, 355, 862
<i>Pilsbryspira albocincta</i> (C. B. Adams, 1845)	ben, car, hsb	0–11	East Florida to Lesser Antilles	se, nw	104 <sup>398</sup>
<i>Pilsbryspira flucki</i> (Brown & Pilsbry, 1913)	ben, car	0–36	Campeche to Colombia; Cuba	sw	757, 791, 837, 862 <sup>399</sup>
<i>Pilsbryspira leucocyma</i> (Dall, 1884)	ben, car, sft, sgr	0–20	East Florida to Brazil	entire	240, 278, 413, 544, 837
<i>Pilsbryspira monilis</i> (Bartsch & Rehder, 1939)	ben, car, hsb	0–37	East Florida to Texas	ne, nw	192, 283, 413, 523, 862
<i>Pilsbryspira nodata</i> (C. B. Adams, 1850)	ben, car, sft	0–42	East Florida to Venezuela	se, nw, sw	240, 414, 544, 700, 862
<i>Zonulispira crocata</i> (Reeve, 1845)	ben, car, end	9–91	West Florida to Florida Keys	ese, ne	41, 283, 355, 751, 862 <sup>400</sup>
<b>Subclass: Heterobranchia</b>					
<b>Superfamily: Orbitestelloidea</b>					
<b>Family: Orbitestellidae</b>					
<i>Orbitestella bermudezi</i> (Aguayo & Borro, 1946)	ben, crr, grz, sfg	8–15	Bahamas to Lesser Ant.; E. Atlantic	se, sw	469, 473, 680 <sup>401</sup>
<b>Superfamily: Rissoelloidea</b>					
<b>Family: Rissoellidae</b>					
<i>Rissoella ameliae</i> Ortea & Espinosa, 2005	ben, end, grz, hsb	18–15	NW Cuba	ese	567
<i>Rissoella belkisiae</i> Ortea & Espinosa, 2005	ben, end, grz, hsb	27–20	NW Cuba	ese	567
<i>Rissoella caribaea</i> Rehder, 1943	ben, crr, grz, ofb	0–12	GMx to Brazil	se, sw	302, 837, 866

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Rissoella diana</i> Ortea & Espinosa, 2005	ben, end, grz, hsb	30–25	NW Cuba	ese	567
<i>Rissoella elsa</i> Ortea & Espinosa, 2005	ben, end, grz, hsb	25–15	NW Cuba	ese	567
<i>Rissoella floria</i> Ortea & Espinosa, 2005	ben, end, grz, hsb	30–25	NW Cuba	ese	567
<i>Rissoella tania</i> Ortea & Espinosa, 2005	ben, end, grz, hsb	15	NW Cuba	ese	567
<i>Rissoella zaida</i> Ortea & Espinosa, 2005	ben, end, grz, hsb	18–15	NW Cuba	ese	567
<b>Superfamily: Valvatoidea</b>					
<b>Family: Cornirostridae</b>					
<i>Cornirostra floridana</i> Bieler & Mikkelsen, 1998	ben, end, grz, hsb	1–0	Florida Keys	ese	63
<i>Tomura bicaudata</i> (Pilsbry & McGinty, 1946)	ben, grz	0	West Florida to Colombia	se, ne	473, 610, 611
<b>Superfamily: Architectonicoidea</b>					
<b>Family: Architectonicidae</b>					
<i>Adelphotectonica uruguayana</i> (Carcelles, 1953)	ben, car	96–250	Florida Keys to Argentina	se	61, 778 <sup>402</sup>
<i>Architectonica nobilis</i> Röding, 1798	ben, car, ofb, sft	0–164	North Carolina to Brazil; E. Atlantic	entire	23, 118, 240, 738, 837
<i>Discotectonica discus</i> (Philippi, 1844)	ben, car	80–329	North Carolina to Barbados; E. Atlantic	se, ne, nw	255, 738, 778 <sup>403</sup>
<i>Heliacus bisulcatus</i> (d'Orbigny, 1842)	ben, car, hsb, ofb	0–366	North Carolina to Brazil; Bermuda	se, ne, nw	23, 410, 800, 801
<i>Heliacus cylindricus</i> (Gmelin, 1791)	ben, car, hsb	0–46	Bermuda to Brazil; E. Atlantic	se, sw	25, 118, 278, 799 <sup>404</sup>
<i>Heliacus perrieri</i> (Rochebrune, 1881)	ben, car	0–8	East Florida to Brazil; E. Atlantic	se	25, 278 <sup>405</sup>
<i>Pseudomalaxis zancleus</i> (Philippi, 1844)	ben, car	128–234	Virginia to Brazil; E. Atlantic	se, ne	178 <sup>406</sup>
<i>Pseudotorinia architae</i> (O. G. Costa, 1841)	ben, car	82	North Carolina to Bahamas; E. Atlantic	se, ne, nw	64
<i>Pseudotorinia bullisi</i> Bieler, Merrill, & Boss, 1985	ben, car	82–137	West Florida to Barbados	ne	64
<i>Psilaxis krebsii</i> (Mörch, 1875)	ben, car	9–115	North Carolina to Brazil; Bermuda	entire	260, 497, 655, 660, 799
<i>Solatisonax sigsbeeii</i> (Dall, 1889)	ben, car	567	Cuba to Barbados	se	61, 178
<i>Spirolaxis centrifuga</i> (Monterosato, 1890)	ben, car	34–550	North Carolina to Brazil; Bermuda	se, nw, sw	268, 326, 497, 543, 655 <sup>407</sup>
<i>Spirolaxis lamellifer</i> (Rehder, 1935)	ben, car	143–375	Bahamas to Brazil; East Atlantic	se	60, 643
<b>Family: Mathildidae</b>					
<i>Mathilda barbadensis</i> Dall, 1889	ben, ofb	2–183	East Florida to Barbados; E. Atlantic	se, nw	31, 266, 302, 514, 801
<i>Mathilda scitula</i> Dall, 1889	ben, ofb	18–150	North Carolina to Brazil	nw	577
<i>Mathilda vanaartseni</i> Jong & Coomans, 1988	ben	65–94	Louisiana to Barbados	nnw, sw	256, 267 <sup>408</sup>
<i>Mathilda yucatecana</i> (Dall, 1881)	ben	24–1170	Georgia to Yucatan Str.	se, ne	175, 178, 574

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Superfamily: Omalogyroidea</b>					
<b>Family: Omalogyridae</b>					
<i>Ammonicera albospeciosa</i> Rolán, 1992	ben, crr, grz, ofb	4–20	Texas to Cuba	se, nw	31, 667
<i>Ammonicera circumcirra</i> Rolán, 1992	ben, end, grz	4	NW Cuba	ese	667
<i>Ammonicera familiaris</i> Rolán, 1992	ben, crr, grz, ofb	3–20	Texas to Cuba	se, nw	31, 667
<i>Ammonicera lineofuscata</i> Rolán, 1992	ben, grz	3–6	Cuba	se	667
<i>Ammonicera minortalis</i> Rolán, 1992	ben, crr, grz, ofb	1–20	Texas to Cuba	se, nw	31, 66, 667
<i>Ammonicera sculpturata</i> Rolán, 1992	ben, grz, ofb, svg	5–20	Texas to Cuba	se, nw	31, 667
<i>Omalogyra fuscopardalis</i> Rolán, 1992	ben, end, grz	3	NW Cuba	ese	667
<i>Omalogyra zebrina</i> Rolán, 1992	ben, crr, end, grz	4–5	Texas to NW Cuba	ese, nw	31, 667
<b>Superfamily: Pyramidelloidea</b>					
<b>Family: Amathinidae</b>					
<i>Iselica globosa</i> (H. C. Lea, 1843)	ben, ofb, par	0–550	East Florida to Uruguay	se, nw, sw	322, 497, 655 <sup>409</sup>
<b>Family: Murchisonellidae</b>					
<i>Henrya goldmani</i> Bartsch, 1947	ben	0–4	Texas to Brazil	se, nw, sw	23, 104, 494, 508, 837
<i>Henrya morrisoni</i> Bartsch, 1947	ben	0–4.5	East Florida to Lesser Antilles	ne	38, 283
<i>Murchisonella spectrum</i> (Mörch, 1875)	ben, sft, sgr	0–73	Bermuda to Brazil	se, ne, nw	38, 283, 497, 508, 799 <sup>410</sup>
<b>Family: Pyramidellidae</b>					
<b>Subfamily: Odostomiinae</b>					
<i>Boonea impressa</i> (Say, 1822)	ben, orf, par, sgr	0–30	New Jersey to Brazil	entire	283, 398, 527, 624, 837
<i>Boonea seminuda</i> (C. B. Adams, 1839)	ben, ofb, par, sft	0–101	Nova Scotia to Uruguay	entire	23, 410, 527, 577, 837
<i>Boonea somersi</i> (Verrill & Bush, 1900)	ben, par, sft	18–80	East Florida to Colombia; Bermuda	nw, sw	527, 867
<i>Chrysallida cancellata</i> (d'Orbigny, 1841)	ben, par, sft	0–101	Virginia to ABC Islands	se, nw	25, 527
<i>Chrysallida gemmulosa</i> (C. B. Adams, 1850)	ben, par, sft	1.2	West Florida to Colombia; P. Rico	se, ne, sw	413, 837
<i>Chrysallida nioba</i> (Dall & Bartsch, 1911)	ben, par, sft	37	Bermuda to ABC Islands	ne	255, 256, 266, 390
<i>Chrysallida terryi</i> (Olsson & McGinty, 1958)	ben, par, sft	0	Campeche to Lesser Antilles	sw	799, 837
<i>Cyclostremella humilis</i> Bush, 1897	ben, ofb, par, sft	0–29	North Carolina to Tabasco	ne, nw, sw	23, 104, 283, 473, 488
<i>Eulimastoma canaliculatum</i> (C. B. Adams, 1850)	ben, ofb, par, sft	0–128	Texas to Argentina	entire	283, 531, 837
<i>Eulimastoma didymum</i> (Verrill & Bush, 1900)	ben, crr, ofb, par	0–101	Bermuda to Brazil	se, ne, nw	31, 266, 527, 802, 865
<i>Eulimastoma engonium</i> (Bush, 1885)	ben, par, sft	0–366	North Carolina to Brazil	se, ne, nw	105, 283, 410, 471, 531 <sup>412</sup>
<i>Eulimastoma harbisonae</i> Bartsch, 1955	ben, end, par, sft	0–2	Texas	nw	101, 104, 531
<i>Eulimastoma weberi</i> (Morrison, 1965)	ben, crr, par, sgr	0–42	East Florida to Campeche	entire	104, 105, 271, 297, 302 <sup>413</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Evalea emeryi</i> (Bartsch, 1955)	ben, par, sft	0–58	North Carolina to Texas	nw	530, 552
<i>Fargoa bartschi</i> (Winkley, 1909)	ben, orf, par	0–210	Maine to Texas	nw	268, 552, 661
<i>Fargoa bushiana</i> (Bartsch, 1909)	ben, par, sft	1–91	Massachusetts to Brazil	ne, nw	104, 283, 410, 497, 527 <sup>414</sup>
<i>Fargoa dianthophila</i> (Wells & Wells, 1961)	ben, orf, par, sft	0–80	Massachusetts to Texas	ne, nw	266, 283, 297, 410, 529
<i>Fargoa gaudens</i> Odé, 1993	ben, end, par, sft	42–128	Texas to Louisiana	nw	529
<i>Fargoa gibbosa</i> (Bush, 1909)	ben, par, orf, sft	0–57	Massachusetts to West Florida	ne, nw	104, 105, 283, 531, 661
<i>Folinella navisa</i> (Dall & Bartsch, 1907)	ben, par, sft	22–91	Texas to Louisiana; E. Pacific	ne, nw	527 <sup>415</sup>
<i>Kleinella cedrosa</i> (Dall, 1884)	ben, end, sft, par	0	Texas to Florida Keys	ne, nw	103, 176, 550, 734
<i>Miralda abbotti</i> Olsson & McGinty, 1958	ben, par, sft	0	Campeche to Colombia	se, sw	837
<i>Miralda havanensis</i> (Pilsbry & Aguayo, 1933)	ben, par, sft	0	West Florida to Brazil	se	605, 837
<i>Mumiola gradatula</i> (Mörch, 1876)	ben, par, sft	0–238	Bahamas to Brazil	ne	9, 234 <sup>416</sup>
<i>Odostomia acutidens</i> Dall, 1884	ben, par, sft	0–40	West Florida; East Florida	ne	176, 266, 410, 785
<i>Odostomia laevigata</i> (d'Orbigny, 1841)	ben, ofb, par, sft	0–40	North Carolina to Argentina	entire	23, 531, 799, 837
<i>Odostomia solidula</i> C. B. Adams, 1850	ben, par, sft	0	Campeche to Puerto Rico	se, sw	837
<i>Pseudoscilla babylonia</i> (C. B. Adams, 1845)	ben, crr, ofb, par	0–143	East Florida to Brazil; Bermuda	se, nw, sw	31, 527, 799, 801, 837
<i>Pseudoscilla decorata</i> (Folin, 1873)	ben, ofb, par, sft	0–91	Texas to Lesser Antilles	nw, sw	246, 527, 552
<i>Trabecula laxa</i> (Dall & Bartsch, 1909)	ben, par, sft	15–73	Texas; E. Pacific	nw	527 <sup>417</sup>
<b>Subfamily: Pyramidellinae</b>					
<i>Longchaeus candidus</i> (Mörch, 1875)	ben, ofb, par, sft	0–350	Virginia to Brazil	ne, nw	734, 800, 851
<i>Longchaeus suturalis</i> (H. C. Lea, 1843)	ben, ofb, par, sft	0–49	North Carolina to Venezuela	entire	192, 283, 410, 577, 800 <sup>418</sup>
<i>Peristichia agria</i> Dall, 1889	ben, ofb, par, sft	0–115	North Carolina to Brazil	entire	178, 253, 322, 442
<i>Peristichia pliocena</i> (Bartsch, 1955)	ben, end, par, sft	11–73	Texas to Yucatan Peninsula	nnw	496, 514
<i>Peristichia toreta</i> Dall, 1889	ben, ofb, par, sft	0–101	North Carolina to Campeche Bank	entire	23, 283, 410, 514, 577
<i>Petitilla crosseana</i> (Dall, 1885)	ben, ofb, par, sgr	0–2	South Carolina to Quintana Roo	entire	102, 283, 492, 531, 837
<i>Pyramidella dolabrata</i> (Linnaeus, 1758)	ben, par, sft	0–57	East Florida to Brazil; E. Atlantic	se	240
<i>Sayella fusca</i> (C. B. Adams, 1839)	ben, par, sft	0–25	Canada to Puerto Rico	se, ne, sw	273, 837
<i>Sayella hemphillii</i> (Dall, 1884)	ben, end, par, sft	0–2	Texas to West Florida	ne, nw	297, 531, 643, 785, 865 <sup>419</sup>
<i>Triptychus niveus</i> (Mörch, 1875)	ben, ofb, par, sft	0–46	East Florida to Venezuela	entire	251, 514, 605, 799, 837 <sup>420</sup>
<b>Subfamily: Syrrolinae</b>					
<i>Syrnola vanhyningi</i> (Bartsch, 1944)	ben, par, sft		West Florida	ene	37 <sup>421</sup>
<b>Subfamily: Turbonillinae</b>					
<i>Bacteridium bermudense</i> (Dall & Bartsch, 1911)	ben, par, sft	16	Bermuda to Brazil	se, ne, nw	282, 283, 412, 530 <sup>422</sup>



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Bacteridium resticulum</i> (Dall, 1889)	ben, par, sft	0–201	Texas to Brazil	entire	178, 530, 837
<i>Careliopsis styliiformis</i> (Mörch, 1875)	ben, par, sft	0–95	North Carolina to Argentina	se, ne, nw	178, 530, 837
<i>Houbricka incisa</i> (Bush, 1899)	ben, ofb, par, sft	0–55	Georgia to Campeche Bank	ne, nw, sw	283, 535, 577, 837, 865
<i>Pselliogyra varia</i> Odé, 1993	ben, end, par, sft	16–823	Texas to Louisiana	nw	529
<i>Rissopsetia hummelincki</i> Faber, 1984	ben, par, sft	0–1.2	Texas to Lesser Antilles	nw	529, 536
<i>Turbonilla abrupta</i> Bush, 1899	ben, par, sft		Veracruz to Brazil	se, nw, sw	118, 266, 271, 837 <sup>423</sup>
<i>Turbonilla arnoldoi</i> Jong & Coomans, 1988	ben, par, sft		West Florida to ABC Islands	ne	283, 390 <sup>424</sup>
<i>Turbonilla belothea</i> Dall, 1889	ben, par, sft	37–183	East Florida to Barbados	se, ne	178, 734, 837
<i>Turbonilla buteonis</i> Bartsch, 1909	ben, par, sft	16–119	Massachusetts to West Florida	ne	390
<i>Turbonilla conradi</i> Bush, 1899	ben, par, sft	0–5	Georgia to West Florida	ne	11, 413, 588, 734
<i>Turbonilla coomansi</i> van Aartsen, 1994	ben, par, sft	0–538	Texas to Brazil	nw	534 <sup>425</sup>
<i>Turbonilla curta</i> Dall, 1889	ben, par, sft	0–1170	North Carolina to Venezuela	entire	178, 410, 497, 532, 837
<i>Turbonilla dalli</i> Bush, 1899	ben, par, sft	0–6	North Carolina to Quintana Roo	se, ne, sw	11, 283, 734, 837
<i>Turbonilla elegans</i> (d'Orbigny, 1841)	ben, par, sft	0–4	East Florida to Lesser Antilles	entire	104, 105, 529, 548, 837
<i>Turbonilla fonteini</i> Jong & Coomans, 1988	ben, par, sft	33–101	Texas to Louisiana; E. Atlantic	nw	266, 527, 529 <sup>426</sup>
<i>Turbonilla fustis</i> Odé, 1995	ben, par, sft	42–128	Texas to Louisiana	nne, nw	533
<i>Turbonilla hemphilli</i> Bush, 1899	ben, ofb, par, sft	0–137	East Florida to Virgin Ids.; Bermuda	entire	266, 283, 532, 588, 837
<i>Turbonilla interrupta</i> (Totten, 1835)	ben, par, sft, sgr	0–196	Nova Scotia to Argentina	entire	118, 192, 271, 297, 837
<i>Turbonilla iolausi</i> Bartsch, 1955	ben, end, par, sft	0–46	Texas	nw	533
<i>Turbonilla krebsii</i> (Mörch, 1875)	ben, par, sft	0	Bahamas to Brazil	se	15 <sup>427</sup>
<i>Turbonilla levis</i> (C. B. Adams, 1850)	ben, hsb, par	13–196	North Carolina to Colombia; Jamaica	ne, nw	192, 266, 267, 390, 532 <sup>428</sup>
<i>Turbonilla multicostata</i> (C. B. Adams, 1850)	ben, par, sft		North Carolina to Jamaica	sw	837
<i>Turbonilla obeliscus</i> (C. B. Adams, 1850)	ben, par, sft	0–115	North Carolina to Jamaica	ne, nw	442, 550
<i>Turbonilla penistoni</i> Bush, 1899	ben, par, sft	0–128	Bermuda to Virgin Islands	nw	497, 533, 534 <sup>429</sup>
<i>Turbonilla portoricana</i> Dall & Simpson, 1901	ben, par, sft	10–129	Louisiana to Brazil	nw	267
<i>Turbonilla puncta</i> (C. B. Adams, 1850)	ben, par, sft		North Carolina to Lesser Antilles	ne	390, 616
<i>Turbonilla punicea</i> Dall, 1884	ben, par, sft	0–57	North Carolina to West Florida	ne	176, 183, 283
<i>Turbonilla pupoides</i> (d'Orbigny, 1841)	ben, par, sft	0–713	Bermuda to Brazil	se, ne	25, 266, 837
<i>Turbonilla reticulata</i> (C. B. Adams, 1850)	ben, par, sft	33	North Carolina to Puerto Rico	sw	837

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Turbonilla riisei</i> (Mörch, 1875)	ben, par, sft	11	East Florida to Virgin Islands	se	15 <sup>430</sup>
<i>Turbonilla rixtae</i> (Jong & Coomans, 1988)	ben, par, sft	0–37	Texas to ABC Islands	ne, nw	322, 380
<i>Turbonilla speira</i> (Ravenel, 1859)	ben, end, par, sft	0	Texas	nw	102, 103, 550, 623
<i>Turbonilla substriata</i> (C. B. Adams, 1850)	ben, par, sft		Yucatan to Jamaica	sse	837
<i>Turbonilla textilis</i> (Kurtz, 1860)	ben, hsb, par	0–26	North Carolina to Colombia	ne, nw	183, 192, 410, 551
<i>Turbonilla toyatani</i> Henderson & Bartsch, 1914	ben, par, sft	11	Virginia to West Florida	ne	390, 410
<i>Turbonilla unilirata</i> Bush, 1899	ben, par, sft, hsb	0–46	North Carolina to Virgin Islands	entire	104, 283, 532, 549, 837
<i>Turbonilla virga</i> Dall, 1884	ben, par, sft	0–27	North Carolina to Florida Keys	se, ne	176, 183, 266, 386, 410
<i>Turbonilla viridaria</i> Dall, 1884	ben, end, par, sft	0–2	Louisiana to West Florida	ne, nnw	176, 255, 283, 386, 729 <sup>431</sup>
<i>Turbonilla wrightsvillensis</i> E. N. Powell, 1983	ben, par, sft	1–21	North Carolina to Texas	nw	622
<b>Superfamily: Ringiculoidea</b>					
<b>Family: Ringiculidae</b>					
<i>Ringicula nitida</i> A. E. Verrill, 1872	ben, car	110–1966	Mass. to Brazil; E. Atlantic	ne, nw	175, 519, 578
<i>Ringicula semistriata</i> d'Orbigny, 1842	ben, car, ofb	42–465	North Carolina to Colombia; P. Rico	nw, sw	519, 577, 578, 655, 801
<b>Superorder: Opisthobranchia</b>					
<b>Superfamily: Acteonoidea</b>					
<b>Family: Acteonidae</b>					
<i>Acteon candens</i> Rehder, 1939	ben, car, sft	0–124	North Carolina to Brazil	ne, nw, sw	159, 410, 422, 519 <sup>432</sup>
<i>Acteon danaida</i> Dall, 1881	ben, car, sft	370–620	Georgia to Brazil	se	175
<i>Acteon delicatus</i> Dall, 1889	ben, car, sft	135–567	West Florida to Barbados	se, ne	178
<i>Acteon incisus</i> Dall, 1881	ben, car, sft	31–1170	Georgia to Lesser Antilles	se	175, 422
<i>Acteon melampoides</i> Dall, 1881	ben, car, sft	402–4707	Virginia to Barbados	se	175
<i>Acteon perforatus</i> Dall, 1881	ben, car, sft	339–1472	Quintana Roo to Lesser Antilles	se	175, 422
<i>Crenilabium exile</i> (Jeffreys, 1870)	ben, car, sft	274–3365	NJ to Campeche Bank; E. Atlantic	sse, nw	75, 178, 578
<i>Japonactaeon punctostriatus</i> (C. B. Adams, 1840)	ben, car, sft, sgr	0–110	Mass. to Venezuela; Bermuda	entire	23, 270, 283, 800, 837
<i>Japonactaeon pusillus</i> (Forbes, 1844)	ben, car, sft	567	Florida Keys to Cuba; E. Atlantic	se	75
<i>Mysouffa cumingii</i> (A. Adams, 1855)	ben, car, sft	0–366	East Florida to Brazil	se, sw	240 <sup>433</sup>
<i>Mysouffa turrata</i> (Watson, 1883)	ben, car, sft	713–760	Cuba to Puerto Rico	se	422
<i>Ovulactaeon meekii</i> Dall, 1889	ben, car, sft	366–823	Georgia to Brazil	se	178
<b>Family: Aplustridae</b>					
<i>Hydatina vesicaria</i> (Lightfoot, 1786)	ben, car, sft	0.2–64	Bermuda to Brazil; circumtr.	se, ne	179, 240, 734, 838 <sup>434</sup>
<i>Micromelo undatus</i> (Bruguère, 1792)	ben, car, sft	0–5	Bermuda to Brazil; E. Atlantic	se	431, 436, 734

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Bullinidae</b>					
<i>Bullina torrei</i> (Aguayo & Rehder, 1936)	ben, car, sft	16–27	Cuba to Virgin Islands	se	20, 759
<b>Order: Cephalaspidea</b>					
<b>Superfamily: Bulloidea</b>					
<b>Family: Bullidae</b>					
<i>Bulla eburneola</i> (Dall, 1927)	ben, her, sft, svg	65–620	North Carolina to Campeche Bank	se, sw	187 <sup>435</sup>
<i>Bulla occidentalis</i> A. Adams, 1850	ben, her, sft, sgr	0–81	East Florida to Venezuela	ne, nw, sw	179, 413, 435, 472, 810
<i>Bulla solida</i> Gmelin, 1791	ben, her, sft, svg	0–25	East Florida to Colombia; Jamaica	se, ne, nw	423, 734, 799
<i>Bulla striata</i> Bruguière, 1792	ben, her, sft, sgr	0–30	Bermuda to Brazil; E. Atlantic	entire	22, 23, 118, 800, 837
<b>Superfamily: Haminoeidea</b>					
<b>Family: Haminoeidae</b>					
<i>Atys caribaeus</i> (d'Orbigny, 1841)	ben, her, sft, sgr	0–183	North Carolina to Brazil; E. Atlantic	se, ne, nw	266, 654, 837
<i>Atys macandrewii</i> E. A. Smith, 1872	ben, her, sft	11–75	Bahamas to Brazil; East Atlantic	nw	266, 267, 497 <sup>437</sup>
<i>Atys riiseanus</i> Mörch, 1875	ben, her, sft	2–93	East Florida to Brazil	ne, nw, sw	104, 390, 497, 655, 799
<i>Atys sandersoni</i> Dall, 1881	ben, crr, her, ofb	30–1472	North Carolina to Brazil	se, ne	175, 654
<i>Cylichnium spatha</i> (Watson, 1883)	ben, grz, sft	713–1372	Texas to Puerto Rico	nw	578
<i>Haminoea antillarum</i> (d'Orbigny, 1841)	ben, her, sgr	0–2	Bermuda to Brazil; E. Atlantic	entire	23, 271, 436, 810, 837
<i>Haminoea elegans</i> (Gray, 1825)	ben, her, sft, sgr	0–34	Bermuda to Brazil; E. Atlantic	entire	118, 283, 497, 624, 837 <sup>438</sup>
<i>Haminoea glabra</i> (A. Adams, 1850)	ben, her	0–30	Campeche Bank to Colombia	se	13, 837
<i>Haminoea succinea</i> (Conrad, 1846)	ben, crr, her, ofb	0–55	East Florida to Brazil; Bermuda	entire	23, 104, 271, 810, 837
<b>Superfamily: Philinoidea</b>					
<b>Family: Aglajidae</b>					
<i>Chelidonura cubana</i> Ortea & Martínez, 1997	ben, car, svg		Cuba to Cayman Islands	se	571
<i>Chelidonura hirundinina</i> (Quoy & Gaimard, 1833)	ben, car, sft, svg	0.9–4	Bermuda to Lesser Ant.; circumtr.	se	195
<i>Chelidonura sabina</i> Er. Marcus & Ev. Marcus, 1970	ben, car, svg	1	East Florida to Lesser Antilles	ne	417
<b>Family: Cylichnidae</b>					
<i>Acteocina atrata</i> Mikkelsen & Mikkelsen, 1984	ben, car	0–1	East Florida to Bahamas	ne	465
<i>Acteocina bullata</i> (Kiener, 1834)	ben, car	11–100	Bermuda to Brazil	se, nw, sw	302, 424, 519, 605, 837
<i>Acteocina canaliculata</i> (Say, 1826)	ben, car, ofb, sgr	0–49	Nova Scotia to Campeche Bank	entire	23, 283, 800, 810, 837 31
<i>Acteocina candei</i> (d'Orbigny, 1841)	ben, car	0–51	North Carolina to Argentina; Bermuda	entire	269, 410, 519, 655, 837
<i>Acteocina inconspicua</i> Olsson & McGinty, 1958	ben, car, crr	0–16	East Florida to Lesser Antilles	ne, nw	390, 519

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Acteocina lepta</i> Woodring, 1928	ben, car	2–457	North Carolina to Brazil; Bermuda	se, ne, nw	410, 463, 519
<i>Acteocina perplicata</i> (Dall, 1889)	ben, car	183–402	Cuba to Barbados	se	178
<i>Acteocina recta</i> (d'Orbigny, 1841)	ben, car	2–128	East Florida to Brazil	se, ne, nw	463, 519
<i>Cylichna verrillii</i> Dall, 1889	ben, car	74–805	North Carolina to Brazil	ne, nw, sw	801 <sup>440</sup>
<i>Cylichna vortex</i> (Dall, 1881)	ben, car	596–2480	Massachusetts to Florida Strait	se, ne	175, 264
<i>Cylichmella bidentata</i> (d'Orbigny, 1841)	ben, car, ofb, sft	0–366	New Jersey to Uruguay	se, ne, nw	23, 266, 283, 519, 837
<i>Roxania pinguicula</i> (Seguenza, 1879)	ben, car, sft	476–1170	Georgia to Yucatan Str.; E. Atlantic	se, ne, nw	175, 578 <sup>441</sup>
<i>Scaphander bathymophila</i> (Dall, 1881)	ben, car, sft	438–3964	Georgia to Lesser Antilles	se	175, 422
<i>Scaphander mundus</i> Watson, 1883	ben, car	636–1372	Louisiana; E. Atlantic, W. Pacific	ne, nw	578
<i>Scaphander nobilis</i> A. E. Verrill, 1884	ben, car	1000–3012	Newfoundland to Brazil; E. Atlantic	ne	94, 179
<i>Scaphander pilsbryi</i> McGinty, 1955	ben, car, end	37–219	West Florida	nne	446
<i>Scaphander punctostriatus</i> (Mighels & Adams, 1842)	ben, car	20–2683	Greenland to Colombia; P. Rico	ne	75, 94, 178, 264, 435 <sup>442</sup>
<i>Scaphander watsoni</i> Dall, 1881	ben, car, ofb, sft	44–649	North Carolina to Venezuela	entire	175, 435, 519, 655, 801 <sup>443</sup>
<b>Family: Gastropteridae</b>					
<i>Gastropterion chacmol</i> Gosliner, 1989	ben, car, sft	3–8	East Florida to Brazil	ne, nw	159, 279, 810 <sup>444</sup>
<i>Gastropterion vespertilium</i> Gosliner & Armes, 1984	ben, car, end, sft	0	West Florida	ene	280, 810 <sup>445</sup>
<b>Family: Philinidae</b>					
<i>Philine infundibulum</i> Dall, 1889	ben, car, sft	68–724	NW Cuba to Brazil	se	178, 422
<b>Family: Retusidae</b>					
<i>Pyrunculus ovatus</i> (Jeffreys, 1871)	ben, grz, sft	274–1097	Newfoundland to Brazil; E. Atlantic	ne, nw	578 <sup>446</sup>
<i>Relichna simplex</i> (Locard, 1897)	ben, grz, sft	3265	West Florida; Eastern Atlantic	ne	578
<i>Retusa alayoi</i> (Espinosa & Ortea, 2004)	ben, grz, sft	0.5–20	Bahamas to Cuba	se	219, 810
<i>Retusa caelatus</i> (Bush, 1885)	ben, crr, grz, ofb	5–155	North Carolina to Argentina	ne, nw, sw	104, 519, 577, 655, 800
<i>Retusa frielei</i> (Dall, 1881)	ben, grz, sft	183–1170	Yucatan Strait to Barbados	ese	175, 179
<i>Retusa sulcata</i> (d'Orbigny, 1841)	ben, grz, sft	5–174	North Carolina to Venezuela	ne, nw	519, 801
<i>Volvulella minuta</i> (Bush, 1885)	ben, grz, sft	0–305	North Carolina to Brazil	ne, nw, sw	296, 456, 519, 577, 655 <sup>447</sup>
<i>Volvulella paupercula</i> (Watson, 1883)	ben, grz, sft	33–713	North Carolina to Brazil	nw	266, 497, 519, 578
<i>Volvulella persimilis</i> (Mörch, 1875)	ben, grz, ofb	0–805	North Carolina to Argentina; Bermuda	se, ne, nw	23, 296, 519, 800
<i>Volvulella texasiana</i> Harry, 1967	ben, grz, ofb, sft	0–139	Texas to Colombia	ne, nw	23, 104, 266, 296, 519 <sup>448</sup>

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Superfamily: Cyndrobulloidea</b>					
<b>Family: Cyndrobullidae</b>					
<i>Cyndrobulla beaulti</i> P. Fischer, 1857	ben, her, sft, svg	0–40	East Florida to Brazil; Bermuda	se, ne	122, 459, 460
<i>Cyndrobulla gigas</i> Mikkelsen, 1998	ben, her, sft, svg	0.5–18	East Florida to Virgin Ids.; Bermuda	se, ne	460
<b>Order: Thecosomata</b>					
<b>Superfamily: Cavolinioidea</b>					
<b>Family: Cavoliniidae</b>					
<i>Cavolinia gibbosa</i> (d'Orbigny, 1834)	plg, spf	0–4810	Mass. to Brazil; E. Atlantic	[entire]	498, 638, 735, 812 <sup>449</sup>
<i>Cavolinia inflexa</i> (Lesueur, 1813)	plg, spf	88–668	Bermuda to Brazil; circumtr.	entire	46, 388, 735, 801, 812
<i>Cavolinia tridentata</i> (Forskål, 1775)	plg, spf	0–4791	Mass. to Argentina; circumtr.	entire	46, 522, 735, 812, 837
<i>Cavolinia uncinata</i> (Rang, 1829)	plg, spf	0–3400	Mass. to Argentina; circumtr.	entire	23, 46, 388, 574, 812
<i>Clio chaptalii</i> Gray, 1850	plg, spf		Greenland to Brazil; circumtr.	[entire]	812
<i>Clio cuspidata</i> (Bosc, 1802)	plg, spf	0–823	East Florida to Brazil; Bermuda	[entire]	46, 735, 812
<i>Clio polita</i> Pelseneer, 1888	plg, spf	1000–1234	Bermuda to Brazil; E. Atlantic	[entire]	388, 735
<i>Clio pyramidata</i> Linnaeus, 1767	plg, spf	0–3718	All oceans	entire	388, 522, 735, 801, 812
<i>Clio recurva</i> (Children, 1823)	plg, spf	117–730	Bermuda to Brazil; circumtr.	entire	46, 735, 801, 812
<i>Creseis acicula</i> (Rang, 1828)	plg, spf	0–1234	Massachusetts to Brazil; Bermuda	entire	46, 388, 410, 522, 735
<i>Creseis conica</i> Eschscholtz, 1829	plg, spf	0–250	Mass. to Brazil; circumtr.	entire	97, 388, 638, 735 <sup>450</sup>
<i>Creseis virgula</i> (Rang, 1828)	plg, spf	98–1234	Bermuda to Brazil; circumtr.	entire	46, 388, 522, 735, 812
<i>Cuvierina atlantica</i> (Bé, MacClintock, & Gilmer, 1972)	plg, spf	100–1234	Bermuda to Argentina; E. Atlantic	entire	325, 388, 498, 735, 812 <sup>451</sup>
<i>Diacavolinia limbata</i> (d'Orbigny, 1834)	plg, spf		GMx to Brazil; E. Atlantic	[entire]	814
<i>Diacavolinia longirostris</i> (Blainville, 1821)	plg, spf	0–1234	Bermuda to Brazil; circumtr.	entire	23, 388, 735, 800, 812
<i>Diacria danae</i> Leyen & van der Spoel, 1982	plg, spf	0–1234	North Carolina to Brazil; circumtr.	entire	23, 46, 388, 735, 812 <sup>452</sup>
<i>Diacria major</i> (Boas, 1886)	plg, spf		Bermuda to Less. Ant.; circumtr.	[entire]	196
<i>Diacria rampali</i> L. Dupont, 1979	plg, spf		West Florida to Brazil; E. Atlantic	[entire]	196
<i>Diacria trispinosa</i> (Blainville, 1821)	plg, spf	27–4791	North Carolina to Brazil; circumtr.	entire	23, 46, 522, 735, 812
<i>Hyalocylis striata</i> (Rang, 1828)	plg, spf	94–1234	Bermuda to Brazil; circumtr.	entire	9, 46, 388, 735, 812
<i>Styliola subula</i> (Quoy & Gaimard, 1827)	plg, spf	44–1234	Bermuda to Brazil; circumtr.	entire	9, 388, 522, 735, 812

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Family: Limacinidae</b>					
<i>Limacina bulimoides</i> (d'Orbigny, 1834)	plg, spf	37–1234	New York to Brazil; Bermuda	entire	388, 521, 735, 812
<i>Limacina inflata</i> (d'Orbigny, 1834)	plg, spf	37–1737	Bermuda to Brazil; E. Atlantic	entire	46, 322, 521, 735
<i>Limacina lesueurii</i> (d'Orbigny, 1835)	plg, spf	37–1234	Bermuda to Brazil; E. Atlantic	entire	179, 498, 521, 735, 812
<i>Limacina trochiformis</i> (d'Orbigny, 1834)	plg, spf	25–500	East Florida to Brazil; Bermuda	entire	9, 179, 521, 735, 812
<b>Superfamily: Cymbulioidea</b>					
<b>Family: Cymbuliidae</b>					
<i>Corolla ovata</i> (Quoy & Gaimard, 1833)	plg, spf		Bermuda to GMx; E. Atlantic	[entire]	744
<i>Corolla spectabilis</i> Dall, 1871	plg, spf		East Florida to Brazil; Bermuda	[entire]	744, 813
<i>Cymbulia parvidentata</i> Pelseneer, 1888	plg, spf		Bermuda to GMx; E. Atlantic	[entire]	744
<i>Cymbulia peronii</i> Blainville, 1818	plg, spf		East Florida to Argentina; E. Atlantic	[entire]	744
<i>Gleba cordata</i> Niebuhr, 1776	plg, spf		Bermuda to GMx; E. Atlantic	[entire]	744
<b>Family: Desmopteridae</b>					
<i>Desmopterus gardineri</i> Tesch, 1910	plg	250–500	GMx; Indian Ocean	[entire]	744
<i>Desmopterus papilio</i> Chun, 1889	plg		Bermuda to Brazil; E. Atlantic	[entire]	744
<b>Family: Peraclidae</b>					
<i>Peraclis bispinosa</i> Pelseneer, 1888	plg, spf	250–500	Bermuda to Brazil; E. Atlantic	entire	735, 813
<i>Peraclis diversa</i> (Monterosato, 1875)	plg, spf	250–100	Bermuda to Argentina; E. Atlantic	entire	17, 247, 735, 813 <sup>453</sup>
<i>Peraclis moluccensis</i> Tesch, 1903	plg, spf	250–1500	GMx to Brazil; Pacific	entire	735
<i>Peraclis reticulata</i> (d'Orbigny, 1834)	plg, spf	25–914	Bermuda to Argentina; circumtr.	entire	179, 498, 522, 735
<i>Peraclis triacanthus</i> (P. Fischer, 1882)	plg, spf	168–823	Bermuda to Brazil	[entire]	735
<b>Order: Gymnosomata</b>					
<b>Superfamily: Clionoidea</b>					
<b>Family: Pneumodermatidae</b>					
<i>Pneumoderma violaceum</i> d'Orbigny, 1834	car, plg	0	Massachusetts to Brazil	[entire]	813 <sup>454</sup>
<b>Order: Aplysiomorpha</b>					
<b>Superfamily: Aplysioidea</b>					
<b>Family: Aplysiidae</b>					
<i>Aplysia cervina</i> (Dall & Simpson, 1901)	ben, her, hsb	0–11	South Carolina to Brazil	se, nw	197, 410, 434
<i>Aplysia dactylomela</i> Rang, 1828	ben, her, sft	0–3	Bermuda to Brazil; circumtr.	entire	23, 192, 197, 472, 547
<i>Aplysia fasciata</i> Poirlet, 1789	ben, her	0–13	Massachusetts to Brazil	se, ne, nw	23, 197, 413, 452, 743 <sup>455</sup>
<i>Aplysia juliana</i> Quoy & Gaimard, 1832	ben, her	0–60	Bermuda to Brazil; circumtr.	ene	192 <sup>456</sup>
<i>Aplysia morio</i> (A. E. Verrill, 1901)	ben, her	0–42	Rhode Island to Texas; Bermuda	se, ne, nw	23, 410, 433, 810 <sup>457</sup>

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Aplysia parvula</i> Mörch, 1863	ben, her, hsb, sgr	0.5–30	Bermuda to Brazil; circumtr.	ne	197, 307
<i>Bursatella leachii</i> Blainville, 1817	ben, her, sgr	0–7	North Carolina to Brazil; circumtr.	entire	23, 159, 192, 421, 799 <sup>458</sup>
<i>Dolabrifera dolabrifera</i> (Rang, 1828)	ben, her, hsb, rit	0–3	Bermuda to Brazil; circumtr.	se, sw	436, 799
<i>Notarchus punctatus</i> (Philippi, 1836)	ben, her	60–73	Florida Keys to Lesser Antilles	se	421, 434, 810
<i>Petalifera ramosa</i> Baba, 1959	ben, her, sgr	2–37	East Florida to Lesser Antilles	se	434, 436
<i>Phyllaplysia engeli</i> Er. Marcus, 1955	ben, her, sgr	0–5	East Florida to Brazil	se, ne	375, 421
<i>Stylocheilus striatus</i> (Quoy & Gaimard, 1832)	ben, her	0–14	Bermuda to Brazil; circumtr.	se	860 <sup>459</sup>
<i>Syphonota geographica</i> (Adams & Reeve, 1850)	ben, her	7.5–6	Dry Tortugas to Lesser Ant.; E. Atlantic	se	810, 860
<b>Order: Sacoglossa</b>					
<b>Superfamily: Oxynooidea</b>					
<b>Family: Juliidae</b>					
<i>Berthelinia caribbea</i> Edmunds, 1963	ben, her, svg	0	Bermuda to Brazil	se, ne	122
<b>Family: Oxynoidae</b>					
<i>Lobiger souverbii</i> P. Fischer, 1857	ben, her, svg	11–44	East Florida to Brazil	se, ne	122, 329, 436, 716, 837 <sup>460</sup>
<i>Oxynoe antillarum</i> Mörch, 1863	ben, her, svg	0.3–11	East Florida to Brazil; Bermuda	se, ne	122, 410, 837
<i>Oxynoe azuropunctata</i> K. R. Jensen, 1980	ben, her, svg	0.3–0.5	East Florida to Puerto Rico; Belize	se, ne	122, 810
<b>Family: Volvatellidae</b>					
<i>Ascobulla ulla</i> (Er. Marcus & Ev. Marcus, 1970)	ben, her, sft, svg	0–19	East Florida to Brazil; Bermuda	se, ne	122, 460
<b>Superfamily: Placobranchoidea</b>					
<b>Family: Boselliidae</b>					
<i>Bosellia corinneae</i> Ev. Marcus, 1973	ben, end, her, svg		Florida Keys	ese	122
<i>Bosellia marcusii</i> Ev. Marcus, 1972	ben, her, svg	0–4	Bermuda to Brazil; E. Atlantic	se	122, 419
<i>Bosellia mimetica</i> Trinchese, 1891	ben, her, svg	2	Bermuda to Brazil; E. Atlantic	se	122
<b>Family: Placobranchidae</b>					
<i>Elysia chlorotica</i> Gould, 1870	ben, her, svg	0	Nova Scotia to Texas	ne, nw	69, 427
<i>Elysia clarki</i> Pierce, Curtis, Massey, Bass, Karl, & Finney, 2006	ben, her, svg	0–2.5	Bahamas to Florida Keys	se	599
<i>Elysia cornigera</i> Nuttall, 1989	ben, her, svg	0–3	Florida Keys to Cayman Islands	se	122, 487
<i>Elysia crispata</i> Mörch, 1863	ben, her, hsb, svg	0.6–12	East Florida to Tobago; Bermuda	se, ne, sw	122, 275, 436, 456, 799
<i>Elysia ornata</i> (Swainson, 1840)	ben, her, svg	0–18	Bermuda to Brazil; circumtr.	se	122, 419
<i>Elysia papillosa</i> A. E. Verrill, 1901	ben, her, svg	0–4	East Florida to Lesser Antilles; Bermuda	se	122
<i>Elysia patina</i> Ev. Marcus, 1980	ben, her, svg	5–0	Bahamas to Costa Rica	ne	122, 427
<i>Elysia serca</i> Er. Marcus, 1955	ben, her, svg	0–1	East Florida to Brazil	se, ne	328, 419 <sup>461</sup>

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Elysia subornata</i> A. E. Verrill, 1901	ben, her, svg	0–4	East Florida to Brazil; Bermuda	se	122, 417 <sup>462</sup>
<i>Elysia tuca</i> Ev. Marcus & Er. Marcus, 1967	ben, her, svg	0.5–30	East Florida to Brazil; Bermuda	se, ne	42, 122, 417, 855
<i>Elysia zuleicae</i> Ortea & Espinosa, 2002	ben, her, svg	5–20	Cuba to Costa Rica	se	566
<i>Thuridilla mazda</i> Ortea & Espinosa, 2000	ben, her, svg	20	Cuba to Costa Rica	se	564
<i>Thuridilla picta</i> (A. E. Verrill, 1901)	ben, her, hsb, svg	0–3	Bermuda to Lesser Ant.; E. Atlantic	se	122, 427
<b>Superfamily: Limapontioidea</b>					
<b>Family: Caliphyllidae</b>					
<i>Caliphylla mediterranea</i> A. Costa, 1867	ben, her, svg	5	East Florida to Brazil	se	329
<i>Cyrcer antillensis</i> Engel, 1927	ben, her, svg	1–5	East Florida to Tobago; Bermuda	se	122
<i>Mourgona germaineae</i> Er. Marcus & Ev. Marcus, 1970	ben, her, svg	0–0.5	Bahamas to Costa Rica; P. Rico	se	122
<i>Polybranchia viridis</i> (Deshayes, 1857)	ben, her, svg	3	East Florida to Barbados; E. Atlantic	se	122
<b>Family: Hermaeidae</b>					
<i>Hermaea cruciata</i> Gould, 1870	ben, her, svg	0	Massachusetts to Brazil	ne	122
<b>Family: Limapontiidae</b>					
<i>Alderiopis garfio</i> Caballer, Ortea, & Espinosa, 2006	ben, end, her, svg	30	NW Cuba	ese	99
<i>Costasiella nonatoi</i> Ev. Marcus & Er. Marcus, 1960	ben, her, svg	2–3	North Carolina to Brazil	se, ne	122, 386
<i>Costasiella ocellifera</i> (Simroth, 1895)	ben, her, svg	2–10	Bermuda to Brazil	se	122
<i>Ercolania coerulea</i> Trinchese, 1893	ben, her, svg	1	East Florida to Brazil; E. Atlantic	se, ne	122, 329
<i>Ercolania fuscata</i> (Gould, 1870)	ben, her, svg	0	Nova Scotia To Brazil; E. Atlantic	se, ne	122, 810
<i>Ercolania fuscovittata</i> (Lance, 1962)	ben, her, nid, svg		East Florida to Texas; E. Pacific	nw	48 <sup>463</sup>
<i>Ercolania viridis</i> (A. Costa, 1866)	ben, her, svg		North Carolina to Brazil; Bermuda	se, ne	122, 419, 810 <sup>464</sup>
<i>Placida kingstoni</i> T. E. Thompson, 1977	ben, her, svg		East Florida to Lesser Ant.; Bermuda	se, ne	122, 329
<b>Order: Umbraculida</b>					
<b>Superfamily: Umbraculoidea</b>					
<b>Family: Umbraculidae</b>					
<i>Umbraculum umbraculum</i> (Lightfoot, 1786)	ben, car, hsb, sft	0–85	Bermuda to Brazil; circumtr.	entire	436, 520, 839 <sup>465</sup>
<b>Family: Tylodiniidae</b>					
<i>Tylodina americana</i> Dall, 1890	ben, car	18–146	Bermuda to Cuba	se, ne, nw	181, 520
<b>Order: Nudipleura</b>					
<b>Suborder: Pleurobranchomorpha</b>					
<b>Superfamily: Pleurobranchioidea</b>					
<b>Family: Pleurobranchidae</b>					
<i>Berthellina quadridens</i> (Mörch, 1863)	ben, car	0.3–50	Florida Keys to Brazil; circumtr.	se	690
<i>Pleurobranchaea agassizii</i> Bergh, 1897	ben, car	228–620	Bahamas to Florida Strait	se	436



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Pleurobranchaea inconspicua</i> Bergh, 1897	ben, car, sft	0–150	North Carolina to Argentina; E. Atlantic	se, nw	23, 410, 430, 433, 547 <sup>466</sup>
<i>Pleurobranchaea obesa</i> (A. E. Verrill, 1882)	ben, car	353–571	New Jersey to Bahamas	ne	821
<i>Pleurobranchus areolatus</i> Mörch, 1863	ben, car	0–70	East Florida to Brazil; E. Atlantic	se, ne, sw	159, 417, 434, 436, 799
<i>Pleurobranchus atlanticus</i> Abbott, 1949	ben, car	0–9	East Florida to Puerto Rico	se	860 <sup>467</sup>
<b>Suborder: Nudibranchia</b>					
<b>Superfamily: Doridoidea</b>					
<b>Family: Chromodorididae</b>					
<i>Chromodoris clenchi</i> (Russell, 1935)	ben, car	0–30	Bermuda to Barbados; E. Atlantic	ne	307
<i>Glossodoris moerchi</i> (Bergh, 1879)	ben, car		West Florida to Virgin Islands	ne	456
<i>Glossodoris punctilucens</i> (Bergh, 1890)	ben, car, end	68	West Florida to Dry Tortugas	se, ne	51, 810 <sup>468</sup>
<i>Glossodoris sedna</i> (Ev. Marcus & Er. Marcus, 1967)	ben, car, hsb, nid?	1–2	Bahamas to Belize; East Pacific	se	409, 810 <sup>469</sup>
<i>Hypselodoris bayeri</i> (Ev. Marcus & Er. Marcus, 1967)	ben, car	3–4	East Florida to Colombia	se	810
<i>Hypselodoris picta</i> (Schultz, 1836)	ben, car	0–55	East Florida to Brazil; E. Atlantic	se, ne	307, 436, 573, 860 <sup>470</sup>
<i>Hypselodoris ruthae</i> Marcus & Hughes, 1974	ben, car, crr	1–12	Bahamas to Barbados	se	573
<i>Hypselodoris sycilla</i> (Bergh, 1890)	ben, car	0–26	East Florida to Brazil	se	51, 52, 417
<i>Risbecia nyalya</i> (Ev. Marcus & Er. Marcus, 1967)	ben, car, crr	2–3	Bahamas to Lesser Antilles	ne	323, 436
<b>Family: Discodorididae</b>					
<i>Aphelodoris antillensis</i> Bergh, 1879	ben, car, hsb	1–12	Florida to Barbados	se	417, 436
<i>Diaulula alba</i> (K. White, 1952)	ben, car, hsb		Dry Tortugas to Virgin Islands	se	810, 860
<i>Diaulula farmersi</i> Valdés, 2004	ben, car, hsb		Bahamas to Virgin Islands	se	808, 810
<i>Diaulula greeleyi</i> (MacFarland, 1909)	ben, car, hsb	0–2	South Carolina to Brazil; E. Pacific	ne	692, 808
<i>Discodoris evelinae</i> Er. Marcus, 1955	ben, car, hsb	0–7	East Florida to Brazil	nw	23, 418, 433 <sup>471</sup>
<i>Geitodoris immunda</i> Bergh, 1894	ben, car, hsb	5.5	East Florida to Brazil; E. Pacific	ne	53
<i>Jorunna spazzola</i> (Er. Marcus, 1955)	ben, car, hsb	0–1.5	East Florida to Brazil	se	810
<i>Platydorid angustipes</i> (Mörch, 1863)	ben, car, crr, hsb	0–73	Dry Tortugas to Brazil	se	417, 436
<i>Sclerodoris worki</i> (Ev. Marcus & Er. Marcus, 1967)	ben, car, hsb	0	East Florida to Lesser Antilles	sw	799
<b>Family: Dorididae</b>					
<i>Cadlina scabriuscula</i> (Bergh, 1890)	ben, car, end, hsb	68	Dry Tortugas	ese	51
<i>Doris ilo</i> (Er. Marcus, 1955)	ben, car, hsb	0	Florida Keys to Brazil	se	807, 810
<i>Doris verrucosa</i> Linnaeus, 1758	ben, car, hsb	0–12	Mass. to Brazil; E. Atlantic	ne	437, 810
<i>Tripa anceps</i> (Bergh, 1890)	ben, car, end, hsb	154	Campeche Bank	sse	51

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Superfamily: Phyllidioidea</b>					
<b>Family: Dendrodorididae</b>					
<i>Dendrodoris krebsii</i> (Mörch, 1863)	ben, car, crr, hsb	0–25	Georgia to Brazil; E. Atlantic	se, ne	423, 456
<i>Dendrodoris warta</i> Marcus & Gallagher, 1976	ben, car, hsb	0–30	South Carolina to Ven- ezuela	ne	307, 429, 810
<i>Doriopsilla espinosai</i> Valdés & Ortea, 1998	ben, car, hsb	1	Cuba	se	811
<i>Doriopsilla pharpa</i> Er. Marcus, 1961	ben, car, hsb	0–18	Maryland to Virgin Islands	ne	810
<b>Family: Phyllidiidae</b>					
<i>Ceratophyllidia papilligera</i> (Bergh, 1890)	ben, car, hsb	2–185	Bahamas to Brazil	ne	51, 434, 436 472
<b>Superfamily: Onchidoridoidea</b>					
<b>Family: Corambidae</b>					
<i>Corambe obscura</i> A. E. Verrill, 1870	ben, car, hsb, orf	0–24	Mass. to Brazil; E. Atlantic	ne, nw	23, 103, 294, 433, 784 <sup>473</sup>
<b>Family: Goniodorididae</b>					
<i>Okenia miramarae</i> Ortea & Espinosa, 2000	ben, car	20	NW Cuba	ese	563
<b>Superfamily: Polyceroidea</b>					
<b>Family: Aegiretidae</b>					
<i>Aegires gomezi</i> Ortea, Luque, & Templado, 1990	ben, car, hsb	1	Florida Keys to Costa Rica	se	237, 570
<i>Aegires sublaevis</i> Odhner, 1932	ben, car, svg	12	Bermuda to Virgin Ids.; Panama	se	810
<b>Family: Polyceridae</b>					
<i>Polycera herthae</i> Ev. Marcus & Er. Marcus, 1963	ben, car, svg	25	East Florida to Lesser Antilles	se	569, 810 <sup>474</sup>
<i>Polycera hummi</i> Abbott, 1952	ben, car	1–2	North Carolina to West Florida	ne	5, 159
<i>Polycera incognita</i> (Ortea, Espinosa, & Caballer, 2005)	ben, car	2.5–18	Bahamas to Barbados	se	569
<i>Polycera odhneri</i> Er. Marcus, 1955	ben, car, svg	0–1	East Florida to Brazil; Bermuda	se	569
<i>Polycerella emertoni</i> A. E. Verrill, 1880	ben, car, hsb, svg	0–5.5	Mass. to Brazil; E. Atlantic	se, ne	386, 432, 810
<i>Roboastra gratiosa</i> (Bergh, 1890)	ben, car	66	South Carolina to Bahamas	se	51, 810
<i>Thecacera pacifica</i> (Bergh, 1883)	ben, car, nid	30	Texas; Indian Ocean	nw	96, 810 <sup>475</sup>
<b>Superfamily: Arminoidea</b>					
<b>Family: Arminidae</b>					
<i>Armina wattla</i> Ev. Marcus & Er. Marcus, 1967	ben, car, sft	0–37	North Carolina to Tabasco	ne, nw, sw	6, 104, 810 <sup>476</sup>
<b>Family: Proctonotidae</b>					
<i>Janolus comis</i> Er. Marcus, 1955	ben, car, svg	25–20	Cuba to Costa Rica	se	562 <sup>477</sup>
<b>Superfamily: Tritonioidea</b>					
<b>Family: Dotidae</b>					
<i>Doto chica</i> Ev. Marcus & Er. Marcus, 1960	ben, car, svg	4	East Florida to Lesser Antilles	ne	419
<i>Doto divae</i> Ev. Marcus & Er. Marcus, 1960	ben, car		East Florida to Brazil	ne	432, 810

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<i>Doto sabuli</i> Ortea, 2001	ben, car	0.6	Bahamas to Quintana Roo	se	558, 810
<i>Doto varaderoensis</i> Ortea, 2001	ben, car	1–5	Cuba to Puerto Rico	se	558, 810
<b>Family: Phylliroidae</b>					
<i>Phylliroe bucephala</i> Lamarck, 1816	car, plg		Bermuda to Brazil; E. Atlantic	[entire]	276
<b>Family: Scyllaeidae</b>					
<i>Scyllaea pelagica</i> Linnaeus, 1758	car, ofb, plg, svg	0–11	Mass. to Brazil; circumtr.	ne, nw	23, 410, 547, 800
<b>Family: Tritoniidae</b>					
<i>Marionia tedi</i> Ev. Marcus, 1983	ben, car, hcs	60–348	East Florida to Venezuela	se, ne	428, 810
<i>Tritonia bayeri</i> Ev. Marcus & Er. Marcus, 1967	ben, car, crr	11–77	Georgia to Barbados	se	436
<i>Tritonia hamnerorum</i> Gosliner & Ghiselin, 1987	ben, car	2–4	Bahamas to Cayman Ids.; Belize	se	281, 810
<b>Superfamily: Aeolidioidea</b>					
<b>Family: Aeolidiidae</b>					
<i>Aeolidiella benteva</i> (Er. Marcus, 1958)	ben, car, sft		North Carolina to Brazil	nw	416, 810
<i>Aeolidiella stephanieae</i> Valdés, 2005	ben, car, sft	2–1	East Florida to Florida Keys	ne	809, 810
<i>Berghia verrucicornis</i> (A. Costa, 1864)	car, plg	0	North Carolina to Brazil; E. Atlantic	se, nw	419, 433, 547 <sup>478</sup>
<i>Cerberilla tanna</i> Ev. Marcus & Er. Marcus, 1960	ben, car, sft	0–6	East Florida to Texas	nw	23, 433, 547, 810
<i>Spurilla neapolitana</i> (delle Chiaje, 1844)	car, plg	0–3	Bermuda to Brazil; E. Atlantic	ne, nw	23, 410, 433, 436, 810
<b>Family: Fionidae</b>					
<i>Fiona pinnata</i> (Eschscholtz, 1831)	car, plg	0	Georgia to Uruguay; circumtr.	nw	23
<b>Family: Flabellinidae</b>					
<i>Flabellina engeli</i> Ev. Marcus & Er. Marcus, 1968	ben, car	1–2	East Florida to Barbados	se	561
<b>Family: Facelinidae</b>					
<i>Cratena pilata</i> (Gould, 1870)	car, plg	0–267	Mass. to Brazil; Bermuda	nw	23, 420, 433, 436, 547 <sup>479</sup>
<i>Dondice occidentalis</i> (Engel, 1925)	ben, car, svg	0.5–26	North Carolina to Brazil; Bermuda	ne	386, 423, 810
<i>Godiva rubrolineata</i> Edmunds, 1964	ben, car	0–1	East Florida to Brazil	sw	799
<i>Learchis poica</i> Ev. Marcus & Er. Marcus, 1960	ben, car	0.1–5	North Carolina to Barbados	ene	386
<i>Nanuca sebastiana</i> Er. Marcus, 1957	ben, car, svg	0–3	East Florida to Brazil; Bermuda	se	572
<b>Family: Glaucidae</b>					
<i>Glaucus atlanticus</i> Forster, 1777	car, plg	0	Bermuda to Brazil; circumtr.	[entire]	23, 398, 547
<b>Family: Tergipedidae</b>					
<i>Cuthona perca</i> (Er. Marcus, 1958)	ben, car	0–1	East Florida to Brazil; E. Atlantic	ne	810

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

Taxon	Habitat-Biology	Depth (m)	Overall geographic range	GMx range	References/Endnotes
<b>Superorder: Pulmonata</b>					
<b>Order: Basommatophora</b>					
<b>Superfamily: Ellobioidea</b>					
<b>Family: Ellobiidae</b>					
<i>Blauneria heteroclita</i> (Montagu, 1808)	ben, msp, sft	0	East Florida to Brazil; Bermuda	entire	441, 442, 734, 837
<i>Creedonia succinea</i> (Pfeiffer, 1854)	ben, msp, sft	0	Bahamas to Jamaica	se, ne, sw	441, 484, 734, 837
<i>Ellobium dominicense</i> (Férussac, 1821)	ben, sft	0	East Florida to Brazil	se, ne	283, 441, 484, 734, 837 <sup>481</sup>
<i>Laemodonta cubensis</i> (Pfeiffer, 1854)	ben, hsb, msp	0–1.5	Bermuda to Barbados	se, ne, sw	441, 484, 837
<i>Leuconopsis novimundi</i> (Pilsbry & McGinty, 1949)	ben, hsb, msp	0	Bahamas to ABC Islands	se	441
<i>Melampus bidentatus</i> Say, 1822	ben, msp, sft, smr	0	Nova Scotia to Virgin Ids.	entire	23, 283, 441, 575, 837
<i>Melampus bullaoides</i> (Montagu, 1808)	ben, msp, sft	0	East Florida to Suriname; Bermuda	se, ne	283, 385, 441, 484, 837
<i>Melampus coffea</i> (Linnaeus, 1758)	ben, msp, sft	(0.3)–0.3	East Florida to Uruguay; Bermuda	se, ne, sw	240, 283, 441, 484, 837
<i>Melampus floridanus</i> Pfeiffer, 1856	ben, sft, smr	0	New Jersey to Veracruz	ne, sw	441
<i>Melampus monile</i> (Bruguière, 1789)	ben, hsb, msp	(0.3)–0	Bermuda to Brazil; E. Atlantic	se, ne, sw	278, 441, 484, 837
<i>Melampus morrisoni</i> Martins, 1996	ben, hsb, msp, sft	0	East Florida to Cuba	se, ne	441, 483, 484 <sup>482</sup>
<i>Microtralia occidentalis</i> (Pfeiffer, 1854)	ben, msp, sft	0	East Florida to ABC Ids.; Bermuda	se, ne	16, 233, 441 <sup>483</sup>
<i>Pedipes mirabilis</i> (Mühlfeld, 1816)	ben, hsb	0–1.5	Bermuda to Brazil; E. Atlantic	entire	22, 23, 240, 441, 837
<i>Pedipes ovalis</i> C. B. Adams, 1849	ben, hsb, msp	0	East Florida to Venezuela; Bermuda	se, ne	441, 484
<i>Tralia ovula</i> (Bruguière, 1789)	ben, hsb, msp	0	Bermuda to Trinidad; E. Atlantic	se	385, 441, 837 <sup>484</sup>
<b>Superfamily: Siphonarioidea</b>					
<b>Family: Siphonariidae</b>					
<i>Siphonaria alternata</i> (Say, 1826)	ben, grz, rit	0	North Carolina to Brazil; Bermuda	se, ne, sw	26, 319, 442, 484, 837
<i>Siphonaria pectinata</i> (Linnaeus, 1758)	ben, grz, rit	0	Georgia to Brazil; E. Atlantic	se, nw, sw	22, 23, 278, 799, 837 <sup>485</sup>
<i>Williamia krebisii</i> (Mörch, 1877)	ben, crr, grz, ofb	0–101	North Carolina to Brazil; Bermuda	entire	520, 577, 799, 801, 837
<b>Superfamily: Trimusculoidea</b>					
<b>Family: Trimusculidae</b>					
<i>Trimusculus carinatus</i> (Dall, 1870)	ben, grz, rit	0	East Florida to Virgin Ids.; Panama	se	9
<b>Order: Systellommatophora</b>					
<b>Superfamily: Onchidioidea</b>					
<b>Family: Onchidiidae</b>					
<i>Onchidella brattstroemi</i> Ev. Marcus, 1978	ben, end, grz	0	Florida Keys	ese	426
<i>Onchidella floridana</i> (Dall, 1885)	ben, grz, hsb	(0.6)–0	Bermuda to Colombia	se, ne	124, 138, 436
<i>Onchidella wah</i> Ev. Marcus, 1978	ben, end, grz	0	Florida Keys	ese	426

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>1</sup> Patellogastropoda: *Scurriopsis hennocquii* Terquem, 1855, and *Lepetopsis levettei* White, 1882, reported off Yucatán by Treece (1980) are rejected from the GMx fauna (see discussion above).
- <sup>2</sup> *Patelloida pustulata*: Listed in the original Bulletin 89 (Rehder, 1954) as *Acmaea pustulata*.
- <sup>3</sup> *Cranopsis granulata*: *Puncturella watsoni* Dall, 1889, is a synonym; see Pérez Farfante (1947).
- <sup>4</sup> *Diodora arcuata*: New records for GMx; ID: EFG; R/V *Pelican*, 5 June 2004, W. Florida, 27°45.27'N, 84°27.64'W, 104–108 m, EFG 25133; R/V *Pelican*, 29 June 2006, Alabama, 29°33.59'N, 87°59.6'W, 70–78 m, EFG 27820.
- <sup>5</sup> *Diodora cayenensis*: Listed in the original Bulletin 89 (Rehder, 1954) as *Fissurella cayenensis*.
- <sup>6</sup> *Diodora fluviana*: New records for NW and SW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 28°03.439'N, 92°26.978'W, 71–74 m, EFG 23405; R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26494.
- <sup>7</sup> *Diodora listeri*: *D. habanensis* Christiaens, 1974, is probably an unnecessary replacement name; Christiaens thought d'Orbigny's taxon was named in 1850 rather than 1847 and therefore was preoccupied by *Fissurella listeri* Nardo, 1847; the relative dates within 1847 have not been established yet [GR].
- <sup>8</sup> *Diodora sayi*: New record, NE GMx; ID: EFG; R/V *Pelican*, 7 June 2004, Sackett Bank, Louisiana, 28°38.16'N, 89°33.19'W, 60–70 m, EFG 25182.
- <sup>9</sup> *Hemitoma emarginata*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26501.
- <sup>10</sup> *Rimula aequisculpta*: New records for NE and SW GMx; ID: EFG; coll. R/V *Pelican*, 29 June 2006, Alabama, 29°24.43'N, 87°58.63'W, 72–74 m, EFG 27799; R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.49'N, 92°21.44'W, 63–65 m, EFG 26504.
- <sup>11</sup> Anatomidae: GMx and Caribbean records of *Anatoma crispata* (Fleming, 1828) need confirmation, as the species has not otherwise been reported south of Labrador in the Western Atlantic; see Bouchet and Warén (1979).
- <sup>12</sup> *Anatoma alta*: Listed as *Scissurella alba* by Pequegnat (1983); “alba” is assumed to be a misspelling of “alta.”
- <sup>13</sup> *Satondella tabulata*: D. L. Geiger identified as this species the specimens referred to as *S. cf. tabulata* in Barrera (2001) (N. Barrera, pers. comm. to FM).
- <sup>14</sup> *Sinezona redfernii*: D. L. Geiger identified as this species the specimens referred to as *Schismope cingulata* and *Scissurella cingulata* in Tunnell (1974) and Barrera (2001) (N. Barrera pers. comm. to FM).
- <sup>15</sup> Chilodontidae: Hickman and McLean (1990) placed *Calliotropis*, *Lischkeia*, and *Echinogurges* in Calliotropini, and *Dentistyla*, *Euchelus*, and *Mirachelus* in Chilodontini, which they placed in Trochidae: Eucyclinae. Warén and Bouchet (1993) dismissed Eucyclinae as a fossil group of uncertain affinity, ranked Calliotropinae and Chilodontinae as subfamilies of Trochidae, and added Vetulonia to Calliotropinae. Bouchet et al. (2005) considered Chilodontidae a family within Sequenzioidae containing Chilodontinae, Calliotropinae, and Cataeginae, which classification is followed here.
- <sup>16</sup> *Dentistyla dentifera*: New record for NE GMx; ID: EFG; R/V *Pelican*, 7 June 2004, Sackett Bank, Louisiana, 28°38.16'N, 89°33.19'W, 60–70 m, EFG 25189.
- <sup>17</sup> *Vetulonia parajeffreysi*: Absalão and Pimenta (2005) suggested that the specimen from Yucatán that Dall (1913) identified as *V. jeffreysi* is *V. parajeffreysi*. Presumably this is the same specimen reported by Dall (1889a: 316) as *Trochus cancellatus* Jeffreys, 1883.
- <sup>18</sup> Known only from the type locality, an unspecified part of Yucatán Strait, so might be part of the GMx fauna.
- <sup>19</sup> *Calliostoma fascinans*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26434.
- <sup>20</sup> *Calliostoma javanicum*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 13 June 2005, Campeche Bank, 21°48.10'N, 92°06.17'W, 36–46 m, live, EFG 26683.
- <sup>21</sup> *Calliostoma marionae*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 8 July 2006, Louisiana, 28°05.49'N, 91°01.96'W, 58–66 m, EFG 27653.
- <sup>22</sup> *Calliostoma oregon*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°36.05'N, 90°27.80'W, 158–206 m, EFG 25909.
- <sup>23</sup> *Calliostoma orion*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 18 June 2005, Campeche Bank, 22°16.08'N, 90°42.89'W, 54–56 m, EFG 25846.
- <sup>24</sup> *Calliostoma scalenum*: New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 7 June 2004, Sackett Bank, Louisiana, 28°37.97'N, 89°33.20'W, 68–70 m, EFG 25225.
- <sup>25</sup> *Calliostoma springeri*: Abbott (1974) synonymized this species with *C. benedicti*, but Quinn (1992b) regarded them as distinct.
- <sup>26</sup> *Calliostoma tampaense*: This species was formerly thought to range from North Carolina to Yucatán, but with the naming of *C. scalenum* Quinn, 1992, it appears that the range has been restricted to West Florida and the Florida Keys and that *C. scalenum* is the species that ranges from North Carolina to Yucatán. All of the material of *C. tampaense* at ANSP was identified by Quinn, and all is from West Florida or the Florida Keys; the same distribution is true of material in the FMNH online database [GR].
- <sup>27</sup> *Calliostoma torrei*: Harasewych and Sedberry (2006) considered *C. rugosum* Quinn, 1992 (type locality: Straits of Florida, *Gillis* Cruise 7307, sta. 13) a probable synonym.
- <sup>28</sup> *Solariella lacunella*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 26423.
- <sup>29</sup> *Solariella lubrica*: *S. iridea* (Dall, 1889) is a synonym; see Quinn (1979). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°47.17'N, 90°15.97'W, 350 m, EFG 26773.
- <sup>30</sup> *Solariella tiara*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°47.17'N, 90°15.97'W, 350 m, EFG 26819.
- <sup>31</sup> Listed in the original Bulletin 89 (Rehder 1954).
- <sup>32</sup> *Tegula gruneri*: *T. substriata* (Pilsbry, 1889) is a synonym; see Turgeon et al. (1998).
- <sup>33</sup> *Arene bairdii*: New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 24 Nov. 1996, Louisiana, 28°37.86'N, 89°33.25'W; in 62–95 m, EFG 16936.
- <sup>34</sup> *Arene briareus*: Odé's (1987b) records from Louisiana and Texas need confirmation; he did not regard his material as matching the type figure.

(continued)

### Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>35</sup> *Arene riisei*: Johnson (1934) reported this species from the Dry Tortugas, 9 years before it was formally described by Rehder (1943). As there is no way to judge whether Johnson had the same taxon as Rehder, the following confirmatory record is reported: ID: EFG; coll. R/V *Pelican*, 3 June 2004, W of Dry Tortugas, 24°43.47'N, 83°13.58'N, 61–62 m, EFG 25519.
- <sup>36</sup> *Arene tricarinata*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 16 June 2005, Campeche Bank, 22°16.28'N, 91°30.42'W, 107–108 m, EFG 26439.
- <sup>37</sup> *Arene venustula*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 14 June 2005, Campeche Bank, 22°10.42'N, 91°09.55'W, 46–48 m, EFG 25946.
- <sup>38</sup> Phasianellidae: Hickman and McLean (1990) used *Eulithidium* for Eastern Pacific and Western Atlantic species formerly classified as *Tricolia*.
- <sup>39</sup> *Eulithidium* affine: *Tricolia affinis cruenta* Robertson, 1958, is a synonym; see Leal (1991).
- <sup>40</sup> Skeneidae: Dall's (1889b) record of *Cyclostrema valvatooides* Jeffreys, 1883, from the Florida Keys could not be confirmed; his specimens were not located at USNM [GR].
- <sup>41</sup> *Haplocochlias nunezi*: Misidentified as *H. swifti* by Rosenberg (1992), whose illustrated specimens are from Grand Bahama Island (ANSP 370100) and whose Florida record is based on ANSP 181317 from Missouri Key and ANSP 313313 from off Palm Beach [GR].
- <sup>42</sup> *Lithopoma americanum*: Listed in the original Bulletin 89 (Rehder 1954) as *Astraea americana*.
- <sup>43</sup> *Turbo angelvaldesi*: Known only from the type locality, "Campeche Bank," which is not precise enough to know if it is SE or SW GMx.
- <sup>44</sup> *Turbo caillietii*: *T. filiosus* Wood, 1828, non Helbling 1779, is a synonym. New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 4 June 2004, W. Florida, 26°25.77'N, 83°43.03'W, 73–78 m, EFG 25400.
- <sup>45</sup> *Neritina clenchi*: Primarily a freshwater species.
- <sup>46</sup> *Neritina punctulata*: Primarily a freshwater species.
- <sup>47</sup> *Neritina usnea*: Listed in the original Bulletin 89 (Rehder 1954) as *N. reclinata* Say, a junior synonym; see Mienis (1985).
- <sup>48</sup> *Puperita pupa*: *P. tristis* (d'Orbigny, 1842) is a synonym; see Gundersen and Minton (1997).
- <sup>49</sup> *Neritilia succinea*: Primarily a freshwater species.
- <sup>50</sup> *Neritopsis atlantica*: *N. finlayi* Hoerle, 1974 (type locality: Chorrera Sands, Havana, Cuba) is a synonym; see Hoerle (1975).
- <sup>51</sup> *Cerithium eburneum*: *C. lymani* (Pilsbry, 1949); (type locality: off Hudson, Florida) is a synonym; see Houbrick (1974).
- <sup>52</sup> *Cerithium guinaicum*: *C. auricoma* Schwengel, 1940 (type locality: Washerwoman Key, Pelican Shoals, near Key West) is a synonym; see Houbrick (1974).
- <sup>53</sup> *Cerithium lutosum*: Listed in the original Bulletin 89 (Rehder 1954) as *C. variabile* C. B. Adams [1845], a junior synonym.
- <sup>54</sup> *Finella dubia*: *Alabina cerithioides* (Dall, 1889) is a synonym; see Abbott (1974).
- <sup>55</sup> *Tenagodus squamatus*: *Siliquaria anguillae* (Mörch, 1876) is a synonym; see Bieler (2004).
- <sup>56</sup> Turritellidae: *Turritella variegata* (Linnaeus, 1758) has been reported in GMx (e.g., by Abbott 1974) but no specimen records could be traced. The range of the species as seen in museum collections is Puerto Rico to southern Caribbean, and it is here rejected from the GMx fauna [GR]. See also Porter (1974) and Turgeon et al. (1998).
- <sup>57</sup> *Dendropoma corrodens*: Often misidentified as *Spirogyphus annulatus* Daudin, 1800, which is an annelid; see ICZN Opinion 1425.
- <sup>58</sup> Littorinoidea: The record of *Skeneopsis planorbis* (Fabricius, 1780) (Skeneopsidae) from Charlotte Harbor, West Florida by Dall (1889b) is here rejected; his specimen (USNM 83773) proves to be a tornid, but could not be identified to species level because it is severely affected by Byne's effluorescence [GR].
- <sup>59</sup> Littorinidae: Reid (1986) transferred many *Littorina* species to *Littoraria* and *Nodilittorina*; Williams et al. (2003) reclassified most *Nodilittorina* as *Echinolittorina*. *Littorina* itself is boreal and temperate in distribution (Reid, 1996).
- <sup>60</sup> *Cenchritis muricata*: Listed in the original Bulletin 89 (Rehder 1954) as *Tectarius muricatus*.
- <sup>61</sup> *Echinolittorina interrupta*: *Littorina lineolata* (d'Orbigny, 1840) is restricted to Brazil and Uruguay (see Bandel and Kadolsky, 1982); GMx records of that species generally are *E. interrupta*. See also *E. ziczac*.
- <sup>62</sup> *Echinolittorina tuberculata*: Williams and Reid (2004) apparently considered *Echinolittorina dilatata* (d'Orbigny, 1841) to be a synonym, although they do not mention it, as they include its distributional area within that of *E. tuberculata*. Bandel and Kadolsky (1982) had recognized *E. dilatata* as having a distribution allopatric to that of *E. tuberculata*.
- <sup>63</sup> *Echinolittorina ziczac*: Listed in the original Bulletin 89 (Rehder 1954) as *Littorina ziczac*. Many records of this species, particularly in the northern GMx are actually *E. interrupta*; for example, Odé and Speers (1966) reported that the species formerly identified as *L. ziczac* in Texas was actually *L. lineolata*, but specimens collected by Anne B. Speers from Port Aransas, Texas (ANSP 280255) prove to be *E. interrupta*. Also specimens reported as *L. ziczac* by F. C. Baker (1891) from Veracruz (ANSP 76399) are *E. interrupta* [GR].
- <sup>64</sup> *Littoraria angulifera*: Listed in the original Bulletin 89 (Rehder 1954) as *Littorina angulifera*.
- <sup>65</sup> *Littoraria irrorata*: Listed in the original Bulletin 89 (Rehder 1954) as *Littorina irrorata*.
- <sup>66</sup> *Barleeia tincta*: New record for the GMx; coll. 1995, sta. FW95-24-2, outside Florida Bay, 25.03157°N, 81.60560°W, 10.7 m, NBI 76517.
- <sup>67</sup> *Caelatura rustica*: *Alaba conoidea* Dall, 1890, is a synonym; see Ponder (1983).
- <sup>68</sup> Caecidae: *Caecum abbreviatum* [sic], *C. abbreviatum* var. *minimum*, *C. bicornutum*, *C. jucundum* var. *parvum*, *C. liratoinctum* var. *costulata*, and *C. liratoinctum* var. *levis* Folin, 1870, all have type localities of Veracruz, Mexico, but none has been reported by subsequent authors. They are therefore considered *nomina dubia* [GR].
- <sup>69</sup> *Caecum circumvolutum*: *C. carmenense*, *C. veracruzianum*, and *C. vestitum* Folin, 1870 (type localities: Veracruz or Carmen, Mexico) are synonyms; see Mello and Maestrati (1986).

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>70</sup> *Caecum cycloferum*: *C. coronellum* Dall, 1892, is a synonym; see Odé (1988b).
- <sup>71</sup> *Caecum multicoatum*: *C. heladum* Olsson and Harbison, 1953, is a synonym; see Absalão and Gomes (2001).
- <sup>72</sup> Hydrobiidae: Bridgman (1969) reported the Caribbean species *Pyrgophorus parvulus* (Guilding, 1828) from Louisiana, but this needs confirmation. Heard (1982) was uncertain which *Pyrgophorus* species specimens from Mississippi represented.
- <sup>73</sup> *Probythinella protera*: *Vioscalba louisianae* Morrison, 1965 (type locality: off Frenier Beach, in the southwestern part of Lake Pontchartrain, Louisiana) is a synonym; see Hershler (1996).
- <sup>74</sup> *Pyrgophorus spinosus*: Primarily a freshwater species.
- <sup>75</sup> Rissoidae: Mörch (1876) reported *Rissoina bicollaris* Schwartz, 1860, from Havana, Cuba, but the species has not subsequently been reported. It was not listed in the Cuban fauna by Desjardin (1949) or Espinosa et al. (1995) and is therefore regarded here as a *nomen dubium* [GR].
- <sup>76</sup> *Benthonella tenella*: *B. fischeri* Dall, 1889 (type locality: USFC sta. 2384, off Alabama) and *B. gaza* Dall, 1889 (type locality: USFC 2352, west of Cuba) are synonyms; see Bouchet and Warén (1993).
- <sup>77</sup> *Benthonellania xanthias*: New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 5 June 2004, W. Florida, 27°51.79'N, 84°59.82'W, 308–323 m, EFG 25282.
- <sup>78</sup> *Microstelma vestale*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 16 June 2005, Campeche Bank, 22°16.28'N, 91°30.42'W, 107–108 m, EFG 26701.
- <sup>79</sup> *Rissoina princeps*: García and Lee (2002) reported this species from the NW GMx, but now consider that record to be *R. cf. R. princeps* [EFG]. New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26473.
- <sup>80</sup> *Rissoina striosa*: New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 29 June 2006; Alabama, 29°33.59'N, 87°59.6'W, 70–78 m, EFG 27826.
- <sup>81</sup> *Stosicia houbrieki*: *S. fernandezgarcesi* Espinosa and Ortea, 2002 (type locality: playa Santa Fe, La Habana, Cuba) is a synonym; see Lee (2003b).
- <sup>82</sup> *Zebina laevigata*: Records from the Florida Keys and West Florida by Dall (1889b) need confirmation. Specimens from those locations in the ANSP collection were reidentified as an unidentified *Zebina* by W. Sleurs in 1988 [GR].
- <sup>83</sup> Tornidae: *Pachytremsiscus ornatus* and *P. pulchellus* were transferred to *Lodderena* (Skeneidae) by Moolenbeek (1996). Maury (1922) reported *Circulus liratus* (A. E. Verrill, 1882) from West Florida, based on Dall's (1889b) report of *Adeorbis supranitidus* var. *orbigny* Fischer, 1857. Moore (1964: 75) rejected Dall's records of that taxon as unreliable, being based on more than one species, and restricted *C. liratus* to range from New England to East Florida. Dall (1884) reported *Adeorbis adamsii* Fischer, 1857, from Cedar Keys, W. Florida, but Dall (1889b) did not repeat this record. Moore (1964: 17) transferred *A. adamsii* to *Cochliolepis* and reported it only from the type locality, Guadeloupe. Moore (1964: 81) considered *Teinostoma semistriata* (d'Orbigny, 1842), which was reported from Key West by Dall (1889b), to be a *nomen dubium*.
- <sup>84</sup> *Anticlimax athleenae*: Moore (1964: 163) considered this to be described from fossil material dredged in Boca Ciega Bay, W. Florida, but the species has since been reported living in Colombia by Diaz and Puyana (1994). Whether it is still living in GMx needs confirmation.
- <sup>85</sup> *Cyclostremiscus pentagonus*: *C. trilix* (Bush, 1885) is a synonym; see Moore (1964).
- <sup>86</sup> *Episcynia inornata*: *E. multicarinata* (Dall, 1889) is a synonym; see Moore (1964).
- <sup>87</sup> *Teinostoma altum*: This species was named from the Plio-Pleistocene of Florida and may not be conspecific with Recent specimens identified as such by Odé (1987d). Harry G. Lee (pers. comm. to GR) notes that *Teinostoma* sp. in Lyons (1989b: pl. 3, fig. 5) from East Florida is the same as Odé's material from Texas, so the taxon is not endemic to GMx.
- <sup>88</sup> *Teinostoma umbilicatum*: *T. cryptospira* (A. E. Verrill, 1884) is a synonym; see Campbell (1993).
- <sup>89</sup> *Vitrinella filifera*: *V. thomasi* Pilsbry, 1945, *non* Bartsch, 1918, is a synonym; see Moore (1964).
- <sup>90</sup> *Truncatella caribaeensis*: misidentified as *T. pulchella* by Clench and Turner (1948) and some subsequent authors; see Torre (1960).
- <sup>91</sup> *Truncatella clathrus*: *T. regina* Hubricht, 1983 (type locality: Indian Key Fill, just south of Tea Table Channel, Monroe County, Florida) is a synonym; *T. scalaris* Michaud, 1830, is restricted to the Greater Antilles; see Rosenberg (1996).
- <sup>92</sup> *Truncatella pulchella*: *T. bilabiata* Pfeiffer, 1840 (type locality: mouth of the Canimar River, Matanzas, Cuba) and *T. floridana* Hubricht, 1983 (type locality: Chokoloskee, Collier County, Florida) are synonyms; see Rosenberg (1996).
- <sup>93</sup> Strombidae: Simone (2005) published a cladistic classification showing that *Lambis* nests inside *Strombus*; he therefore raised former subgenera of *Strombus* to full genera so that *Strombus* would not be paraphyletic. As a consequence, the familiar names *Strombus gigas*, *S. gallus*, and *S. raninus* were changed to *Eustrombus gigas*, *Aliger gallus*, and *Tricornis raninus*.
- <sup>94</sup> *Xenophora caribaea*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°36.05'N, 90°27.80'W, 158–206 m, EFG 25907.
- <sup>95</sup> *Xenophora longleyi*: New record for SW GMx; ID: FM; coll. 18–19 Aug. 1969, 19°03'N, 95°27'W, 250–450 m, TAMU# 4-1757.
- <sup>96</sup> Calyptraeidae: *Crepidula plana* Say, listed in the original Bulletin 89 (Rehder 1954), does not occur in the GMx (see Collin, 2002); the name may refer to either *C. atrasolea* or *C. depressa* listed below.
- <sup>97</sup> *Bostrycapulus aculeatus*: Formerly *Crepidula aculeata*; reclassified by Simone (2002) and Collin (2003).
- <sup>98</sup> *Crepidula atrasolea*: Previously misidentified as *Crepidula plana*, which Collin (2002) restricted to Georgia and north; see also *C. depressa*.
- <sup>99</sup> *Crepidula depressa*: Previously misidentified as *Crepidula plana*, which Collin (2002) restricted to Georgia and north; see also *C. atrasolea*.
- <sup>100</sup> *Capulus ungaricus*: Bouchet and Warén (1993) considered Western Atlantic records to represent an undescribed species.
- <sup>101</sup> *Trichotropis migrans*: New records for NE and SW GMx; ID: EFG; coll. R/V *Pelican*, 16 Oct 1994, Alabama, 29°14'N, 88°16'W, 100 m, EFG 14580; R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26299.
- <sup>102</sup> *Haloceras carinatum*: *Solariella constricta* Dall, 1927, is a synonym; see Warén and Bouchet (1991).

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>103</sup> *Hipponix antiquatus*: This has been shown to be a complex of species by Leal (1991), Redfern (2001), and Simone (2002), best distinguished by their protoconchs. Simone (2002) treated *H. antiquatus* as restricted to the Eastern Pacific, but it was named from unknown locality, so a neotype designation is necessary to clarify application of the name. Use of the name *Hipponix antiquatus* is maintained here, but it may not prove to be the correct name for the taxon in the GMx, and there may be more than one species under this name in the GMx [GR].
- <sup>104</sup> *Hipponix incurvus*: Formerly in *Capulus*; reclassified by Simone (2002). Sometimes misspelled as “*incurvatus*.”
- <sup>105</sup> *Hipponix subrufus*: New records for NE and NW GMx; ID: EFG; coll. R/V *Pelican*, 7 June 2004, Sackett Bank, Louisiana, 28°38.16'N, 89°33.19'W, 60–70 m, EFG 25171; R/V *Pelican*, 30 June 2001, Louisiana, 27°59.141'N, 91°38.832'W, 65–91 m, EFG 23328.
- <sup>106</sup> *Macrocyprea zebra*: Listed in the original Bulletin 89 (Rehder 1954) as *Cyprea zebra*.
- <sup>107</sup> *Cyphoma gibbosum*: *C. alleneae* Cate, 1973 (type locality: Missouri Key, Florida Keys) is a synonym; see Simone (2004). New record for NW GMx; ID: FM; coll. Feb. 1982, live on sea fan piece after storm, Bob Hall Pier, South Padre Island, Corpus Christi, Texas, TAMUCC collection.
- <sup>108</sup> *Cyphoma rhomba*: New records for NE, NW, and SW GMx; ID: EFG; coll. R/V *Pelican*, 29 June 2006, Alabama, 29°24.43'N, 87°58.63'W, 72–74 m, EFG 27700; August 1977, 40 mi. S. of Marsh Island, Louisiana, 24 m, live, EFG5045; R/V *Pelican*, 13 June 2005, Campeche Bank, 21°51.32'N, 92°03.68'W, 66–68 m, EFG 26219.
- <sup>109</sup> *Neosimnia bijuri*: First records outside GMx; ID: GR; coll. 14 March 1968, Pillsbury sta. 589, Yucatán Strait off Isla Mujeres, 21°14'N, 86°26'W, 311–492 m, University of Miami uncatalogued; coll. 9 May 1963, Oregon Station 4226, off mouth of Amazon, Brazil, 0°18'N, 44°17'W, 274 m, USNM 810225.
- <sup>110</sup> *Pedicularia decussata*: *Pedicularia albida* Dall, 1881, is a synonym; see (Dall 1889a). *Pedicularia sicula* Swainson, 1840, is sometimes considered to be an older name for *P. decussata*, but currently considered to be restricted to the Eastern Atlantic; see Bouchet and Warén (1993).
- <sup>111</sup> *Phenacovolva piragua*: New records for GMx; ID GR; coll. Louisiana, 27°57.8'N, 92°01.8'W, 100 m, HMNS 37769; ID: EFG; R/V *Pelican*, 23 June 2005, Louisiana, 28°02.51'N, 92°26.88'W, 60–74 m, live, EFG 26143.
- <sup>112</sup> *Pseudocyphoma abbotti*: New combination; transferred from *Aperiovula* because the ridge-like funiculum and the extended terminals are similar to those of *P. intermedium*, the type species of *Pseudocyphoma* [GR].
- <sup>113</sup> *Pseudocyphoma intermedium*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 13 June 2005, Campeche Bank, 21°51.32'N, 92°03.68'W, 66–68 m, EFG 26219.
- <sup>114</sup> *Pseudosimnia vanhyningi*: Sometimes misidentified as *Primovula carnea* (Poiret, 1789), an Eastern Atlantic species; see Cate (1973). *Pseudosimnia sphoni* Cate, 1973 (type locality: Smithsonian Expedition sta. 344, off Key West, Florida, 24°33'N, 81°47'W) is synonymized herein. The differences Cate cited are not significant: larger size (14 vs. 11 mm), more strongly developed teeth on outer lip and terminal ridge, or are not supported by the photographs of the holotypes: number of teeth on the outer lip is not different and the posterior terminals do not differ in configuration [GR]. New record for NE GMx; ID EFG; coll. R/V *Pelican*, 15 Oct 1994, Alabama, 29°14'N, 88°15'W, 123 m, EFG 14563.
- <sup>115</sup> *Simnialena uniplicata*: *S. marferula* Cate, 1973 (type locality: Port Aransas, Texas) is synonymized herein. The characters Cate (1973) cited are all variable: broader shell, more completely dorsally striate and paler colors. Shell breadth and color vary ecophenotypically, depending on the morphology and coloration of the host octocoral. Broad, more heavily striate shells occur in South Carolina and East Florida, not just in the western GMx [GR].
- <sup>116</sup> Triviidae: Cate's (1979) report of *Niveria* (*Cleotrivia*) *atomaria pygmaea* (Schilder, 1931) from West Florida is here rejected. It is not clear whether his concept of the species matched Schilder's; Cate's material might instead be *Cleotrivia antillarum*, which he treated erroneously as an Eastern Pacific species [GR]. Fehse and Grego (2005) treated as *Cleotrivia pygmaea* as valid, but did not state a geographic range.
- <sup>117</sup> *Cleotrivia candidula*: New record for SW GMx; ID: J. Grego; coll. R/V *Pelican*, coll. 10 June 2005, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 27100.
- <sup>118</sup> *Niveria nix*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 9 June 2005, Campeche Bank, 21°06.60'N, 92°08.66'W, 50–45 m, EFG 25936.
- <sup>119</sup> *Niveria quadripunctata*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 13 June 2005, Campeche Bank, 21°48.10'N, 92°06.17'W, 36–46 m, live, EFG 25927.
- <sup>120</sup> *Pusula maltbiana*: New record for SW GMx; ID: J. Grego; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26111.
- <sup>121</sup> *Euspira fringilla*: May prove to be a synonym of *E. radiata* (Watson, 1881); see Dall (1889a).
- <sup>122</sup> *Natica castrensis*: May prove to be a synonym of *Natica menkeana* (Philippi, 1851); treated as a subspecies of it by García and Lee (2002).
- <sup>123</sup> *Natica guesti*: New record for SW GMx; ID: A. R. Kabat; Campeche Bank, 21°50'N, 92°30'W, 168 m, L. Kornicker, sta. 1328, USNM 667863. This specimen was listed by Rice and Kornicker (1965) as *Natica* cf. *menkenana*.
- <sup>124</sup> *Natica perlineata*: New records for NE and SW GMx; ID: EFG; coll. R/V *Pelican*, 24 November 1996, Louisiana, 28°37.86'N, 89°33.25'W, 68–104 m, EFG 16926; R/V *Pelican*, 16 June 2005, Campeche Bank, 22°16.28'N, 91°30.42'W, 107–108 m, EFG 26376.
- <sup>125</sup> *Natica tedbayeri*: *N. floridana* (Rehder, 1943), non Dall, 1892, is a synonym.
- <sup>126</sup> *Naticarius canrena*: Listed in the original Bulletin 89 (Rehder 1954) as *Natica canrena*.
- <sup>127</sup> *Neverita delessertiana*: Removed from synonym of *N. duplicata* by Hülsken et al. (2006).
- <sup>128</sup> *Neverita duplicata*: Listed in the original Bulletin 89 (Rehder 1954) as *Polinices duplicata*.
- <sup>129</sup> *Sigatica carolinensis*: New records for SE and NE GMx; ID: EFG; coll. 3 June 2004, W of Dry Tortugas, 24°43.33'N, 83°13.48'W, 61 m, EFG 25455; coll. 15 Oct 1994, Alabama, 29°21'N, 87°42'W, 140 m, EFG 14433.
- <sup>130</sup> *Sigatica semisulcata*: *Natica fordiana* Simpson, 1887 (type locality: Sarasota Bay, Florida) is a synonym; see Abbott (1958).
- <sup>131</sup> *Sinum minus*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 26397.
- <sup>132</sup> *Bufo naria bufo*: *Bursa spadicea* (Montfort, 1810) is a synonym; see Cossignani (1994).



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>133</sup> *Bursa granularis*: *B. cubaniana* (d'Orbigny, 1847) is a synonym; see Leal (1991).
- <sup>134</sup> *Bursa grayana*: *B. pacamoni* Matthews and Coelho, 1971, is a synonym; see Beu (1987).
- <sup>135</sup> *Bursa ranelloides tenuisculpta*: *B. finlayi* McGinty, 1962, is a synonym, but the paratypic material of that species is *B. natalensis* Coelho and Matthews, 1970; see Beu (1981).
- <sup>136</sup> *Cassis madagascariensis*: *C. spinella* Clench, 1944, was named as and is often treated as a subspecies of *C. madagascariensis*, but they occur sympatrically, so *C. spinella* is either a synonym or a separate species. If it proves to be a separate species, *Cassis rotundata* Perry, 1811, may be an older name; see Petit (2003).
- <sup>137</sup> *Oocorys sulcata*: *O. abyssorum* (Verrill and Smith, 1884) is a synonym; see Bouchet and Warén (1993). New record for SW GMx; ID: FM; coll. 16 Aug. 1969, 19°23'N, 94°50'W, 2121 m, TAMU# 4-2008.
- <sup>138</sup> *Distorsio perdistorta*: New records for NW and SW GMx; ID: EFG; coll. R/V *Pelican*, 4 July 2003, Louisiana, 28°05.16'N, 91°00.204'W, 64 m, EFG 24424; R/V *Pelican*, 11 June 2005, Campeche Bank, 21°00.13'N, 92°26.09'W, 70–72 m, EFG 26157.
- <sup>139</sup> *Cymatium aquatile*: Sometimes misidentified as *C. pileare* (Linnaeus, 1758), an Indo-Pacific species; see Beu and Kay (1988). Compare to *C. martinianum*.
- <sup>140</sup> *Cymatium comptum*: Sometimes misidentified as *C. vespaceum* (Lamarck, 1822) or *C. gemmatum* (Reeve, 1844); see Beu (1998). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°45.59'N, 92°12.63'W, 52–53 m, EFG 26183.
- <sup>141</sup> *Cymatium cynocephalum*: *C. caribbaeum* Clench and Turner, 1957, is a synonym; see Beu and Cernohorsky (1986).
- <sup>142</sup> *Cymatium krebsii*: New record, SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26685.
- <sup>143</sup> *Cymatium labiosum*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 27°58.180'N, 92°01.908'W, 65–70 m, EFG 23185.
- <sup>144</sup> *Cymatium martinianum*: Sometimes misidentified as *C. pileare* (Linnaeus, 1758), an Indo-Pacific species; see Beu and Kay (1988). Because both *C. aquatile* and *C. martinianum* have been identified as *C. pileare*, most literature records are unreliable. Confirmed records of *C. martinianum* for NE and SW GMx; ID: GR; coll. Jan. 1951, off Naples, W. Florida, ANSP 193071; April–May, 1890, Veracruz, Mexico, ANSP 61073.
- <sup>145</sup> *Cymatium occidentale*: This name has also been attributed to Clench and Turner (1957), who contended that Mörch (1877) used “occidentale” as a geographic descriptor for several species so it was not an available name. Beu (1987) argued that Mörch had introduced an available name as he compared it to *forma indica*. Mörch, however, used this phrase in running Latin text, so it should be translated as the “Indian form” not as “form *indica*.” This controversy is here resolved under ICZN Article 45.6.4.1, which says that an infrasubspecific name is deemed subspecific and is available and attributed to the original author if validated before 1985. Clench and Turner (1957), McGinty and McGinty (1957), and Kiliyas (1973) used the name as valid, so it is here attributed to Mörch (1877) [GR].
- <sup>146</sup> *Cymatium pharcidum*: New records for SE and NE GMx; ID: GR; coll. 1968, J. Moore, June 1968, W. of Dry Tortugas, 24.8°N, 83.9°W, 85 m, ANSP 341060; coll. 1962, J. Moore, off Anna Maria, W. Florida, 46 m, ANSP 341055.
- <sup>147</sup> *Cymatium rehderi*: New records for West Florida and SW GMx; ID: EFG; coll. R/V *Pelican*, 1 June 2004, W of Dry Tortugas, 24°35.81'N, 83°28.49'W, 61 m, live, EFG 25340; R/V *Pelican*, 8 June 2005, Campeche Bank, 22°05.05'N, 90°42.86'W, 51–52 m, EFG 25783.
- <sup>148</sup> *Cymatium vespaceum*: Many records of this species are actually *C. comptum* (A. Adams, 1855); see Piech (1993).
- <sup>149</sup> *Tonna pennata*: *T. maculosa* (Dillwyn, 1817) is a synonym. Its original combination, *Buccinum maculosum*, is preoccupied by Gmelin, 1791. See Altena (1975).
- <sup>150</sup> *Atlanta brunnea*: *A. fusca* Souleyet, 1852, is a synonym; see Abbott (1974).
- <sup>151</sup> *Atlanta helicinoidea*: *A. helicinoides* Souleyet, 1852, is a synonym.
- <sup>152</sup> *Atlanta quoyii*: *A. inflata* Souleyet, 1852, is a synonym; see Abbott (1974).
- <sup>153</sup> *Pterotrachaea hippocampus*: *P. minuta* Bonnevie, 1920, is a synonym; see Seapy (2000).
- <sup>154</sup> *Cirsotrema dalli*: Formerly misidentified as *C. cochlea* (Sowerby II, 1844), an Eastern Atlantic species; see Clench and Turner (1950). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26272.
- <sup>155</sup> *Cycloscala echinaticosta*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 27°59.141'N, 91°38.832'W, 65–91 m, EFG 23319.
- <sup>156</sup> *Cylindriscala andrewsii*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°47.17'N, 90°15.97'W, 350 m, EFG 26821.
- <sup>157</sup> *Depressiscula nautlae*: *Scala scipio* Dall, 1889, is a synonym; see Clench and Turner (1952).
- <sup>158</sup> *Eccliseogyra nitida*: *Epitonium vermetiforme* (Watson, 1886) is a synonym; see Bouchet and Warén (1986b).
- <sup>159</sup> *Eccliseogyra performosa*: Misidentified as *E. formosissima* (Jeffreys, 1884) by Clench and Turner (1952) and Dall (1889a); see Bouchet and Warén (1986b).
- <sup>160</sup> *Epitonium apiculatum*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 26281.
- <sup>161</sup> *Epitonium celesti*: *E. pourtalesii* (Verrill and Smith, 1880) is a synonym; see Bouchet and Warén, 1986b.
- <sup>162</sup> *Epitonium championi*: New record for NW GMx; ID: EFG; coll. 26 Feb 1993, Heald Bank, off Galveston, Texas, 8–12 m, EFG 12861.
- <sup>163</sup> *Epitonium fractum*: New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 23 Nov. 1996, Alabama, 29°05'N, 88°23'W, in 400–490 m, EFG 16911.
- <sup>164</sup> *Epitonium striatissimum*: *E. rushii* (Dall, 1889) is a synonym; see Bouchet and Warén (1986b). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26279.
- <sup>165</sup> *Opalia abbotti*: New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2006, Alabama, 29°19.62'N, 87°46.19'W, 97–108 m, EFG 27859.
- <sup>166</sup> *Opalia aurifila*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26291.
- <sup>167</sup> *Opalia eolis*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26270.

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>168</sup> *Opalia morchiana*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.49'N, 92°21.44'W, 63–65 m, EFG 26283.
- <sup>169</sup> *Opalia pumilio*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 27°59.141'N, 91°38.832'W, 65–91 m, EFG 23318.
- <sup>170</sup> *Sthenorytis pernobilis*: *S. cubana* Bartsch, 1940 (type locality: Blake sta. 2, off Morro Light, Cuba) and *S. hendersoni* Bartsch, 1940 (type locality: *Eolis* sta. 330, off Sambo Reef, Florida) are synonyms; see Clench and Turner (1950).
- <sup>171</sup> *Janthina exigua*: Misidentified as *J. globosa* Blainville, 1822, by Andrews (1977).
- <sup>172</sup> *Janthina globosa*: *J. prolongata* Blainville, 1822, is a synonym; see Laursen (1953).
- <sup>173</sup> *Recluzia rollandiana*: Some authors have considered *R. lutea* (Bennett, 1840) to be an older name for this species. It is not known whether type material for *R. lutea* exists; the original description does not allow identification unless there is only one species of *Recluzia* in the Pacific, which has not yet been demonstrated, so use of the name *R. rollandiana* is maintained here pending clarification. See Rehder (1980).
- <sup>174</sup> Acclididae: *Aclis cubana* and *A. dalli* Bartsch, 1911, were described from “Dr. Rush sta. 34, off Cuba,” but the location of that station is not known. Rush is known to have collected in Florida Strait so it is possible that the type locality will prove to be in GMx.
- <sup>175</sup> ‘*Turritellopsis*’ *floridana*: Warén (1996) transferred this species from Mathildidae to Acclididae, but did not assign it to a genus within Acclididae.
- <sup>176</sup> Eulimidae: Abbott (1974) reported *Umbilibalcis lata* (Dall, 1889) (as *Aclis lata*) from West Florida, but his records from off Georgia were based on specimens misidentified by Dall (1927b) that were the basis of *Hemiaclis benedicti* Bartsch, 1947, which is now known as *Costaclis hyalina* (Watson, 1881) (see Bouchet and Warén 1986b). It is not known whether the West Florida material represents *U. lata* or *C. hyalina* [GR].
- <sup>177</sup> *Melanella eulimoides*: Sometimes called *Eulima gibba* Folin, 1867, but that is an Eastern Pacific species; see Jong and Coomans (1988).
- <sup>178</sup> *Niso aeglees*: Formerly misidentified as *N. interrupta* (Sowerby I, 1834), an Eastern Pacific species; see Abbott (1974).
- <sup>179</sup> *Niso hendersoni*: Sometimes misidentified as *Niso splendidula* (Sowerby I, 1834), an Eastern Pacific species (see Abbott 1974). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 15 June 2005, Campeche Bank, 22°16.21'N, 91°29.14'W, 111–116 m, EFG 25827.
- <sup>180</sup> *Niso lomana*: An Eastern Pacific species first reported in the NW GMx by Odé (1989a).
- <sup>181</sup> *Oceanida graduata*: *Athleenia burryi* Bartsch, 1946, is a synonym; see Jong and Coomans (1988).
- <sup>182</sup> *Polygireulima amblytera*: New records for GMx, ID: A. Warén, 1976; Bonefish Key, Florida Keys, ANSP 220775; Clearwater, West Florida, ANSP 340976.
- <sup>183</sup> *Sabinella troglodytes*: *Mucronalia nidorum* Pilsbry, 1956, is a synonym; see Warén (1992b).
- <sup>184</sup> Cerithiopsidae: García (2002a) and García and Lee (2002) reported *Cerithiopsis warmkae* Jong and Coomans, 1988, from off Louisiana, but García and Lee (2003) changed the identification to cf. *warmkae*.
- <sup>185</sup> *Cerithiella martensii*: First record outside GMx; ID: H. G. Lee; coll. 4 Feb. 1986, off Savannah, Georgia, 31°51.05'N, 79°10.42'W, 480 m, H. G. Lee Collection.
- <sup>186</sup> *Cerithiopsis fusiformis*: *C. brassica* Olsson and Harbison, 1953, is a synonym; see Jong and Coomans (1988).
- <sup>187</sup> *Cerithiopsis sigsbeana*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, coll. 17 June 2005, Campeche Bank, 22°08.04'N, 91°23.67'W, 52–53 m, EFG25940.
- <sup>188</sup> *Cerithiopsis vicola*: Jong and Coomans (1988) synonymized this species with *C. lata*, but Rolán et al. (2007) pointed that *C. vicola* has 2 protoconch whorls whereas *C. lata* has 4.
- <sup>189</sup> *Retilaskya bicolor*: Until recently, this species was confused with *R. emersonii* (C. B. Adams, 1839), which ranges from Massachusetts to South Carolina, so its GMx range is not well established. Rolán and Espinosa (1992) reported both *R. emersonii* and *R. bicolor* from Cuba, illustrating differences in the protoconch; however, while their *R. bicolor* is probably correct, their *R. emersonii* is misidentified. The second whorl of its protoconch is smaller than that of true *R. emersonii* from Massachusetts (ANSP 315744), 0.25 vs. 0.36 mm, judging from the size of their 5.5 mm specimen (the scale bar with the protoconchs is apparently too large). Rosenberg (1992) described the teleoconch of *R. bicolor*; his illustrated specimen (ANSP 371971) is from Jamaica, the type locality. His description of a 4-whorl protoconch for the species is probably incorrect, however, being based on Olsson and Harbison's (1953) illustration of a 4-whorl protoconch for a Recent specimen from Cedar Keys, Florida (ANSP 18160) that they identified as *Cerithiopsis emersonii*. Specimens with the bright coloration of Jamaican specimens have a 2-whorl protoconch in material examined thus far; *R. bicolor* is considered to match this type of protoconch. The 2-whorl protoconch has been observed in the NE GMx (Lee 2003a), but the occurrence of *R. bicolor* in other quadrants remains to be established [GR].
- <sup>190</sup> *Seila adamsi*: Lyons (1989b) noted that several different species have been reported under this name.
- <sup>191</sup> Triphoridae: Bouchet (1985) could not confirm any Western Atlantic records of *Metaxia abrupta* (Watson, 1880), which was reported from the GMx by Odé (1973b, 1989b) and Rice and Kornicker (1965).
- <sup>192</sup> *Latitriphora albida*: New records for NE and SW GMx; ID: M. Faber; coll. 1965, W. of John's Pass, W. Florida, 53 m, ANSP 306290; April–May 1890, Veracruz, Mexico, ANSP 61132 (this lot was reported as *Triphora decorata* (C. B. Adams) by F. C. Baker (1891)).
- <sup>193</sup> *Marshallora modesta*: Often misidentified as *M. nigrocincta* (C. B. Adams, 1839), which has a northerly distribution according to Leal (1991). The distribution of *M. modesta* is not well established because of confusion with that species and with *M. nichupte*, which has a smooth protoconch of 2 or fewer whorls rather than a sculptured one of 4 or more [GR].
- <sup>194</sup> *Marshallora nichupte*: Previously misidentified as *M. nigrocincta*; see comment under *M. modesta*.
- <sup>195</sup> *Metaxia excelsa*: *Cerithium exile* C. B. Adams, 1850, non Eichholz, 1829, is a synonym; see Rolán and Fernández-Garcés (1992).
- <sup>196</sup> *Babelomurex dalli*: Formerly misidentified as *Coralliophila deburghiae* (Reeve, 1857); see Kosuge and Suzuki (1985).
- <sup>197</sup> *Coralliophila galea*: Sometimes misidentified as *C. abbreviata* (Lamarck, 1816); see Kosuge and Suzuki (1985).
- <sup>198</sup> *Coralliophila richardi*: *C. lactuca* Dall, 1889, is a synonym; see Bouchet and Warén (1985).
- <sup>199</sup> *Coralliophila squamosa*: *C. lamellosa* (Philippi, 1836), non Borson, 1821, is a synonym. The northern endpoint of the range (off New Jersey) and occurrence in SE quadrant (Florida Keys) assume that *Coralliophila lintoni* (Verrill and Smith, 1882) is a synonym; see Bayer (1971).

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>200</sup> *Trachypollia turricula*: *T. didyma* (Schwengel, 1943) is a synonym; see Houart (1991).
- <sup>201</sup> Muricinae: Western Atlantic species formerly placed in *Murex* (*Murex*) and then in *Haustellum* are now classified as *Vokesimurex*; see Petuch (1994) and Houart (1999b).
- <sup>202</sup> *Attiliosa aldridgei*: *Muricopsis poeyi* Sarasúa and Espinosa, 1979 (type locality: Marianao, Provincia Ciudad de la Habana, Cuba) is a synonym; see Vokes and D'Attilio (1982).
- <sup>203</sup> *Attiliosa bessei*: New record for GMx; ID: E. H. Vokes; coll. R/V *Pelican*, 17 June 2005, Campeche Bank, 22°11.46'N, 91°08.71'W, 50–55 m, EFG 25823.
- <sup>204</sup> *Chicoreus dilectus*: Vokes (1990) restricted the distribution of this species to GMx, but did not address the status of records from the U.S. Atlantic coast. According to Porter (1974) and Boone (1983a), the species ranges north to North Carolina. See comments under *C. florifer*.
- <sup>205</sup> *Chicoreus florifer*: Vokes (1990) restricted the distribution of this species to Bahamas to Panama, but did not address the status of contradictory records from the GMx. She considered *C. rachelcarsonae* Petuch, 1987 (type locality: 50 km south of Apalachicola, Florida) a synonym of *C. dilectus*. Houart (1994) synonymized *C. rachelcarsonae* with *C. florifer*, which is more in accord with the single intervarical node and strong spine on the shoulder well separated from the suture. Because some authors have considered *C. dilectus* to be a synonym of *C. florifer* (which synonymy might still prove to be correct) and the species are sympatric in at least part of the GMx, it is not possible to tell the identity of some records of *C. florifer* that are not illustrated, for example Tunnell and Chaney (1970), which would provide a NW quadrant record for one species or the other [GR].
- <sup>206</sup> *Hexaplex fulvescens*: Listed in the original Bulletin 89 (Rehder 1954) as *Chicoreus fulvescens*.
- <sup>207</sup> *Poirieria actinophora*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°47.17'N, 90°15.97'W, 350 m, EFG 25960.
- <sup>208</sup> *Siratus articulatus*: *Murex finlayi* Clench, 1955 (type locality: Matanzas Bay, Cuba, 183 m) is a synonym; see Vokes (1990).
- <sup>209</sup> *Siratus beauii*: *Murex branchi* Clench, 1953 (type locality: Gulf of Campeche, Mexico) is a synonym; see Vokes (1990). Listed in the original Bulletin 89 (Rehder 1954) as *Murex beaui*.
- <sup>210</sup> *Siratus cailleti*: *S. kugleri* (Clench and Pérez Farfante, 1945) is a synonym; see Vokes (1990).
- <sup>211</sup> *Vokesimurex amniae*: *Murex lindajoyceae* Petuch, 1987 (type locality: due west of Cedar Key, Florida) is a synonym; see Houart (1994). New records for NW and SW GMx; ID: EFG; coll. R/V *Pelican*, 23 June 2005, Louisiana, 28°03.44'N, 92°27.32'W, 65–73 m, EFG 26166; R/V *Pelican*, 11 June 2005, Campeche Bank, 21°00.13'N, 92°26.09'W, 70–72 m, EFG 26125.
- <sup>212</sup> *Vokesimurex rubidus*: *Murex recurvirostris citrinus* M. Smith, 1940, is a synonym; see Clench and Pérez Farfante (1945).
- <sup>213</sup> *Favartia alveata*: *Ocenebra intermedia* (C. B. Adams, 1850) is a synonym; see Vokes (1994).
- <sup>214</sup> *Favartia minirosea*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 6 June 2005, Campeche Bank, 22°16.45'N, 90°39.83'W, 53–55 m, EFG 25880.
- <sup>215</sup> *Murexiella glypta*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 13 June 2005, Campeche Bank, 21°51.32'N, 92°03.68'W, 66–68 m, EFG 26152.
- <sup>216</sup> *Murexiella levicula*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 27°59.141'N, 91°38.832'W, 65–91 m, EFG 23320.
- <sup>217</sup> *Murexiella macgintyi*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 25817.
- <sup>218</sup> *Risomurex caribbaeus*: *Fusus muricoides* C. B. Adams, 1845, *non* Deshayes, 1835, is a synonym.
- <sup>219</sup> Ocenebrinae: Reports of *Urosalpinx macra* A. E. Verrill, 1884, in the Florida Keys are based on Dall (1889b), but he stated that the southern end of the range is Cape Florida. The specimen basis for the record is USNM 87070, USFC sta. 2646, 25°47'N, 80°05'W, 155 m.
- <sup>220</sup> *Eupleura sulcidentata*: Records of *E. caudata* (Say, 1822) in GMx presumably are this species; *E. caudata* ranges from Massachusetts to NE Florida; see Lyons (1989b).
- <sup>221</sup> *Stramonita canaliculata*: Liu, Foltz, and Stickle (1991) demonstrated allozyme differences in sympatry in the northern GMx between *S. haemastoma canaliculata* and *S. haemastoma floridana*. They are thus distinct species, not subspecies, so *Stramonita canaliculata* is used here as a full species [GR]. *Thais floridana haysae* Clench, 1927 (type locality: Grand Bayou, Mississippi Delta, Louisiana) is a synonym of *S. canaliculata*; see Abbott (1974).
- <sup>222</sup> *Stramonita haemastoma*: Listed in the original Bulletin 89 (Rehder 1954) as *Thais floridana* Conrad, which may be an ecophenotype; see Bandel (1976). Conspecificity of the Western Atlantic and Eastern Atlantic populations of *S. haemastoma* remains to be tested.
- <sup>223</sup> *Stramonita rustica*: Listed in the original Bulletin 89 (Rehder 1954) as *Thais rustica*.
- <sup>224</sup> *Pterotyphis pinnatus*: *Typhis fordii* Pilsbry, 1943, is a synonym; see Vokes (1989).
- <sup>225</sup> *Pterotyphis triangularis*: *Murex cancellatus* Sowerby II, 1841, *non* Gmelin, 1791, is a synonym; see Vokes (1989).
- <sup>226</sup> Known only from the type locality, off Cabo Catoche, so might be endemic to GMx.
- <sup>227</sup> *Typhinellus sowerbii*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 26267.
- <sup>228</sup> Buccinidae: Vermeij (2006) reclassified species formerly in *Cantharus* as *Gemophos*, *Hesperisternia*, and *Solenosteira*.
- <sup>229</sup> *Antillophos candeanus*: *A. candei* (d'Orbigny, 1847) is a synonym; see Petit and Harasewych (1990).
- <sup>230</sup> *Belomitra pourtalesii*: *Mangelia exsculpta* (Watson, 1882) is a synonym; see Bouchet and Warén (1986a).
- <sup>231</sup> *Gemophos tinctus*: Listed in the original Bulletin 89 (Rehder 1954) as *Cantharus tinctus*.
- <sup>232</sup> *Hesperisternia karinae*: Sometimes misidentified as *Engina lauta* (Reeve, 1846), which is Eastern Pacific.
- <sup>233</sup> *Monostiolium tessellatum*: *M. swifti* (Tryon, 1881) is a synonym; see Watters and Finlay (1989).
- <sup>234</sup> *Parviphos adelus*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 17 June 2005, Campeche Bank, 22°15.15'N, 90°43.29'W, 52–53 m, EFG 26051.
- <sup>235</sup> *Colubraria testacea*: Sometimes called *C. obscura* (Reeve, 1844), but that species is Indo-Pacific; see Monsecour and Monsecour (2004).

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>236</sup> *Aesopus stearnsii*: *Nitidella filosa* Stearns, 1873 (type locality: Tampa Bay, W. Florida), *non* Angas, 1867, is a synonym.
- <sup>237</sup> *Astyris profundis*: New records for NE GMx; ID: EFG; coll. R/V *Pelican*, 15 Oct. 1994, Alabama, 29°20.25'N, 87°37'W, 250 m, EFG14479; R/V *Pelican*, 7 June 2004, Sackett Bank, Louisiana, 28°38.16'N, 89°33.19'W, 60–70 m, EFG 25176.
- <sup>238</sup> *Columbellopsis nycteis*: *Mitrella fenestrata* (C. B. Adams, 1850) is a synonym; see Radwin (1978).
- <sup>239</sup> *Cosmioconcha nitens*: *Columbella perpicta* Dall and Simpson, 1901, is a synonym; see Warmke and Abbott (1961).
- <sup>240</sup> *Cosmioconcha rikaie*: Previously misidentified as *C. calliglypta* Dall and Simpson, 1901; see Monsecour and Monsecour (2006). New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 22 Nov 1996, Mississippi, 29°53.25'N, 88°40.46'W, 57 m, live in gray mud, EFG 16951.
- <sup>241</sup> *Costoanachis scutulata*: New record for SW GMx; ID: H. G. Lee; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26303.
- <sup>242</sup> *Costoanachis translirata*: Often misidentified as *Anachis lafresnayi* Fischer and Bernardi, 1857; see Monsecour and Monsecour (2005).
- <sup>243</sup> *Metulella columbellata*: New record for NE GMx; ID: GR; coll. D. Steger, 1966, SW of Egmont Key, Florida, 128–165 m, ANSP 306351.
- <sup>244</sup> *Mitrella dichroa*: Usually misidentified as *Mitrella argus* (d'Orbigny, 1842), the type of which proves to be a specimen of *M. ocellata*; see Kaicher (1984a) and Lyons (1989b).
- <sup>245</sup> *Mitrella ocellata*: *M. cribraria* (Lamarck, 1822) is a synonym; see Warmke and Abbott (1961).
- <sup>246</sup> *Nassarina glypta*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26301.
- <sup>247</sup> *Nitidella nitida*: *Nitidella nitidula* “Sowerby” is a misidentification; see Abbott (1958).
- <sup>248</sup> *Parvanachis obesa*: Listed in the original Bulletin 89 (Rehder 1954) as *Anachis obesa*.
- <sup>249</sup> *Steironepion maculatum*: *Turrijaumelia jaumei* Sarasúa, 1975 (type locality: Marianao, Habana, Cuba) is a synonym; see Finlay (1985).
- <sup>250</sup> *Steironepion moniliferum*: *Psarostola monilifera sparsipunctata* Rehder, 1943, is a synonym; see Abbott (1958).
- <sup>251</sup> *Suturoglypta pretrii*: *Anachis mangelioides* (Reeve, 1859) and *A. albella* var. *samanensis* Dall, 1889, are synonyms; see Jong and Coomans (1988) and Radwin (1978) respectively.
- <sup>252</sup> Fascioliariidae: Vermeij and Snyder (2006) transferred species formerly placed in *Latirus* to *Hemipolygona*, *Polygona*, and *Pustulatirus*.
- <sup>253</sup> *Fasciolaria hunteria*: Often treated as a subspecies of *F. lilium*, but accepted here as a full species following Lyons (1989b).
- <sup>254</sup> *Fasciolaria lilium*: *F. distans* Lamarck, 1822, is a synonym; see Hollister (1957).
- <sup>255</sup> Described from an unknown location within Florida Strait, so might be part of the GMx fauna.
- <sup>256</sup> *Fusinus excavatus*: *Fusinus eucosmius* (Dall, 1889) (type locality: USFC sta. 2317, off Key West) is a synonym; see Hadorn and Rogers (2000).
- <sup>257</sup> *Fusinus timesus*: *Heilprinia lindae* Petuch, 1987 (type locality: 50 km south of Apalachicola, Florida) is a synonym; see Hadorn and Rogers (2000). New record for SW GMx; Campeche Bay, Mexico, HMNS.MAL 14626.
- <sup>258</sup> *Hemipolygona distincta*: Formerly classified as a synonym or variety of *Latirus cariniferus*; raised to full species status by Vermeij and Snyder (2006).
- <sup>259</sup> *Hemipolygona mcgintyi*: Formerly classified as a subspecies or variety of *Latirus cariniferus*; raised to full species status by Vermeij and Snyder (2006).
- <sup>260</sup> *Leucozonia nassa*: *L. jacarusoi* Petuch, 1987 (type locality: off Key West, Florida) is a synonym; see Vermeij and Snyder (2002).
- <sup>261</sup> *Polygona angulata*: Vermeij and Snyder (2006) removed *P. brevicaudata* (Reeve, 1847) from the synonymy of *P. angulata* without explanation. They did not include the GMx in the stated range of either taxon, but did not discuss the status of published GMx records for *P. angulata*, which are therefore retained on this list. *Latirus cymatius* Schwengel, 1940, may prove to be the correct name for at least some GMx populations [GR].
- <sup>262</sup> *Teralatirus cayohuesonicus*: New records for SW GMx; ID: EFG; coll. R/V *Pelican*, 9 June 2005, Campeche Bank, 21°06.60'N, 92°08.66'W, 45–50 m, EFG 25832.
- <sup>263</sup> *Busycon perversum*: This species has been recorded in the NW GMx, but it is not clear whether these records are based on confusion with *B. pulleyi*.
- <sup>264</sup> *Busycon pulleyi*: Wise et al. (2004) considered this a synonym of *B. sinistrum*, which they treated as a subspecies of *B. perversum*. Their allozyme data, however, showed *B. sinistrum* from West Florida and *B. perversum* from Yucatán to be more similar to each other than either was to *B. pulleyi* from Texas. The latter is therefore maintained as a separate species [GR].
- <sup>265</sup> *Busycon sinistrum*: Wise et al. (2004) considered *B. sinistrum* to be a subspecies of *B. perversum*. Their criterion for subspecies recognition was less than 2% observed DNA sequence divergence for cytochrome oxidase I, but this does not contradict a hypothesis that they are separate species, because recently evolved species might have little sequence divergence. The DNA data showed them to be reciprocally monophyletic. Also, there are many reports of *B. perversum* and *B. sinistrum* occurring in sympatry in the southern Gulf of Mexico, which contradicts subspecies status. Wise et al. (2004) suggested that the *B. perversum* morphology represents ecophenotypic variation in the presence of stone crabs, but did not present experimental evidence for induction of that morphology nor explain why stone crabs prey on *Busycon* in some areas and not others. *Busycon sinistrum* is therefore maintained as a species separate from *B. perversum* [GR]. Listed in the original Bulletin 89 (Rehder 1954) as *B. contrarium* Conrad, which name applies to an extinct species; see Hollister (1958).
- <sup>266</sup> *Busycotypus plagosus*: Listed in the original Bulletin 89 (Rehder 1954) as *Busycon spiratum plagosus*.
- <sup>267</sup> *Fulguropsis feldmanni*: Petuch (1994) reported this species, first described as a fossil, as extant in the Yucatán Peninsula, but did not state where in the peninsula, so it is not known whether the species is endemic.
- <sup>268</sup> Nassariidae: There are no GMx records of *Ilyanassa obsoleta* since Melville (1881); the species ranges from the Gulf of St. Lawrence south to northeast Florida and is here rejected from the GMx fauna. Records of *Nassarius hotessierianus* (d'Orbigny, 1842) and its synonym *N. hotessieri* (d'Orbigny, 1847) from the GMx apparently represent an undescribed taxon; see Kaicher (1982a) and Lee (1998). *Nassarius ambiguus* (Pulteney, 1799), *non* Solander (1766), has been reported

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

from the GMx by various authors, but as the name is preoccupied, and it is not clear to what taxon it applies (for example, *Nassarius albus* auct. not Say of Kaicher 1982a), it is excluded from this list [GR].

<sup>269</sup> *Nassarius albus*: Several species have been lumped under *N. albus* (see Kaicher 1982a, Lee 1998), so its true distribution in the GMx has not been established.

<sup>270</sup> *Nassarius antillarum*: There has been confusion about the identity of this species, with Cernohorsky (1975) synonymizing it with *N. vibex* on the basis of heterospecific syntypes; this was clarified by Jong and Coomans (1988) who designated a lectotype. Kaicher (1982) and Faber (2004a) illustrated specimens that agree with the lectotype. The species was reported from the Florida Keys by Dall (1890c), and while this record has not been confirmed, H. G. Lee and M. Krisberg report that the species does occur in the Keys (pers. comm. to GR). The Recent specimens illustrated by Olsson and Harbison (1953) and by Lee (1998) are not conspecific with d'Orbigny's taxon.

<sup>271</sup> *Nassarius karinae*: *N. nanus* Ustick, 1959, non A. Adams, 1852, is a synonym.

<sup>272</sup> *Nassarius paucicostatus*: New records for SE and NE GMx; ID: M. Krisberg; Stock Island just NE of Key West; Quick Point Park, New Pass, Longboat Key, Sarasota, W. Florida (Marlo Krisberg, pers. comm. to GR).

<sup>273</sup> Volutacea: Now recognized as a polyphyletic assemblage, but as a new consensus classification has not emerged, the former volutaceans are kept together for convenience. Similarly, within volutaceans, mitriform, oliviform, and marginelliform groupings are used to keep together conchologically similar taxa as their phylogenetic placement is not yet resolved [GR].

<sup>274</sup> *Turbinella wheeleri*: Sometimes identified as *T. scolymoides* Dall, 1890, which Petuch (1994) considered to be an extinct fossil species.

<sup>275</sup> *Scaphella dohrni*: *Aurinia bermudezi* and *A. dohrni florida* Clench and Aguayo, 1940, are probably synonyms; see Poppe and Goto (1992).

<sup>276</sup> *Scaphella dubia*: *Aurinia schmitti* Bartsch, 1931 (type locality: south of Dry Tortugas), *A. kieneri* (Clench, 1946), and *A. kieneri ethelae* Pilsbry and Olsson, 1953 (type locality: off South Pass, Mississippi River) are synonyms; see Weaver and duPont (1970).

<sup>277</sup> *Scaphella junonia*: *S. junonia butleri* Clench, 1953 (type locality: Bay of Campeche) and *S. junonia johnstoneae* Clench 1953 (type locality: off Petit Bois Island, Alabama) are synonyms; see Weaver and duPont (1970). Listed in the original Bulletin 89 (Rehder 1954) as *S. junonia* Shaw (in error, author is Lamarck).

<sup>278</sup> *Scaphella robusta*: *S. marionae* (Pilsbry and Olsson, 1953) (type locality: Gulf of Mexico) is a synonym according to Poppe and Goto (1992: 150). *Scaphella worki* Coltro, 1998 (type locality: Mississippi Fan off Louisiana, 366–457 m) is clearly a synonym of *S. marionae* and so presumably is a synonym of *S. robusta*. Coltro did not compare his new species to *S. marionae*, distinguishing it from *S. robusta* on the basis of its smaller size and recurved siphonal canal. The holotype of *S. marionae* (ANSP 189920) shares these features: 45.3 mm vs. 44.6 mm for the holotype of *S. worki* and 119 mm for the holotype of *S. robusta*; it also has similar spiral sculpture and nodules on the shoulder [GR].

<sup>279</sup> Costellariidae: *Vexillum josefinae* Sarasúa, 1985 (type locality: Marianao, Habana, Cuba) appears to be based on a mislocalized specimens of the Indo-Pacific *V. semifasciatum* (Lamarck, 1811) and is here rejected from the GMx fauna [GR]; *V. callipicta* Sarasúa, 1978, non Woodring, 1928, is a synonym; *V. callipicta* Sarasúa, 1978, non Woodring, 1928, is a synonym.

<sup>280</sup> *Mitromica foveata*: *Thala floridana* (Dall, 1884) (type locality: Key West) is a synonym; see Rosenberg and Salisbury (2003).

<sup>281</sup> *Vexillum arestum*: *Vexillum* sp. A in Barrera (2001) is this species (Barrera, pers. comm. to FM).

<sup>282</sup> *Vexillum catenatum*: *Pusia nodulita* Sarasúa, 1978 (type locality: Marianao, Habana, Cuba) is a synonym; see Salisbury (1995).

<sup>283</sup> *Vexillum epiphaneum*: New records for NW and SW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 28°03.439'N, 92°26.978'W, 71–74 m, EFG 23189; R/V *Pelican*, 11 June 2005, Campeche Bank, 20°39.66'N, 91°57.09'W, 29–33 m, EFG 25961.

<sup>284</sup> *Vexillum exiguum*: *V. hanleyi* (Dohrn, 1861) is a synonym; see Cernohorsky (1978).

<sup>285</sup> *Vexillum gemmatum*: *V. albocinctum* (C. B. Adams, 1845) is almost surely an older name for this species as suggested by Cernohorsky (1978), but the junior name is retained here as the name *V. albocinctum* has been missapplied to *V. histrio* and *V. moniliferum*, making most usages ambiguous [GR].

<sup>286</sup> *Vexillum hendersoni*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°50.22'N, 92°18.91'W, 53 m, EFG 26102.

<sup>287</sup> *Vexillum histrio*: The specimen from off Destin, Florida that Cernohorsky (1978) reported as this species is actually *V. epiphaneum*, ID: GR, ANSP 194090.

<sup>288</sup> *Vexillum laterculatum*: *V. olssoni* (McGinty, 1955) is a synonym; see Cernohorsky (1978).

<sup>289</sup> *Vexillum sykesi*: *Pusia moisei* McGinty, 1955, is a synonym; see Cernohorsky (1978). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 17 June 2005, Campeche Bank, 22°08.04'N, 91°23.67'W, 52–53 m, EFG 25933.

<sup>290</sup> *Vexillum variatum*: *Pusia splendidula* Sarasúa, 1975 (type locality: Marianao, Habana, Cuba) is a synonym; see Sarasúa (1985). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°19.42'N, 90°21.84'W, 49–54 m, EFG 26027.

<sup>291</sup> *Mitra antillensis*: Sometimes considered a subspecies of the Eastern Pacific *Mitra swainsonii* Broderip, 1836.

<sup>292</sup> *Mitra straminea*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 28°06.975'N; 90°58.150'W, 89–92 m, live, EFG 23154.

<sup>293</sup> *Jaspidella miris*: The range of the species has not been established previously. Olsson (1956) described it from "Gulf of Mexico"; Abbott (1974) provided depths, but no further locality information. New records for SW and SE GMx; ID: EFG; coll. R/V *Pelican*, 15 June 2005, Campeche Bank, 22°16.21'N, 91°29.14'W, 111–116 m, EFG 26758; R/V *Pelican*, 18 June 2005, Campeche Bank, 22°15.12'N, 90°41.63'W, 51–56 m, EFG 26385; ID: D. Steger; E of Alacrán, FLMNH 156352; ID: Unknown; April 1967, off Contoy Light, 300 m, FLMNH 251070. First record outside GMx; ID: H. G. Lee; coll. Oct. 1991, Roatan Island, Honduras, 7 m, H. G. Lee Collection.

<sup>294</sup> *Olivella bullula*: *O. bayeri* Abbott, 1951, is a synonym; see Abbott (1974).

<sup>295</sup> *Olivella lactea*: *O. adelae* Olsson, 1956 (type locality: Bradenton Beach, W. Florida) is a synonym; see Kaicher (1987b).

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>296</sup> *Olivella moorei*: The type locality (3 miles 100° from Carysfort Reef, off Key Largo, Florida) is just outside the boundaries of GMx defined for this project, so the species is not endemic to GMx.
- <sup>297</sup> *Oliva circinata*: *O. sunderlandi* Petuch, 1987 (type locality: west of Cedar Key, Florida) is a synonym; see Sterba (2004). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 15 June 2005, Campeche Bank, 22°05.89'N, 91°22.89'W, 40–42 m, EFG 25872.
- <sup>298</sup> *Oliva formosa*: Regarded as a form of *O. reticularis* Lamarck, 1811, by Zeigler and Porreca (1969); as a form of *O. bewleyi* Marrat, 1870, by Petuch and Sargent (1986); and a form of *O. bifasciata* Weinkauff, 1878, by Sterba (2004). The illustration of the holotype of *O. formosa* by Tursch and Greifeneder (2001) shows that it is a senior synonym of *O. bifasciata* [GR]. New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 16 June 2005, Campeche Bank, 22°08.76'N, 91°24.00'W, 63–65 m, EFG 25820.
- <sup>299</sup> *Oliva sayana*: *O. sayana sarasotensis* Petuch and Sargent, 1986 (type locality: approximately 15 km due west of Lido Beach, Sarasota, Florida) and *O. sayana texana* Petuch and Sargent, 1986 (type locality: Padre Island, Texas) are synonyms; see Sterba (2004); listed in the original Bulletin 89 (Rehder 1954).
- <sup>300</sup> *Oliva scripta*: *O. caribaeensis* Dall and Stimpson, 1901, is a synonym; see Tursch and Greifeneder (2001).
- <sup>301</sup> Cysticidae: Dall (1889b) used the nude name *Marginella microgonia*, reporting it from Georgia, the Florida Keys, and Cuba, but only the Georgia records were used when the species was described by Dall (1927). No material from the Florida Keys was found at USNM, so the species, currently known as *Cystiscus microgonia*, is rejected from the GMx fauna [GR].
- <sup>302</sup> *Gibberula catenata*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 18 June 2005, 22°15.12'N, 90°41.63'W, 51–56 m, EFG 26082.
- <sup>303</sup> *Gibberula fluctuata*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 18 June 2005, 22°14.04'N, 90°41.63'W, 37–43 m; EFG 26155.
- <sup>304</sup> *Gibberula pfeifferi*: *Marginella minuta* Pfeiffer, 1840, *non* Gray, 1826, is a synonym; see Faber 2004c.
- <sup>305</sup> *Granulina hadria*: Sometimes called *G. ovuliformis* (d'Orbigny, 1842), but that species is found in the Caribbean proper and south to Brazil; see Coovert (1988a).
- <sup>306</sup> *Granulina tinolia*: New record for GMx; ID: G. A. Coovert, 28 Apr. 2000; coll. 1916, *Eolis* sta. 332, off Sambo Reef, Florida, 210 m, USNM 414012.
- <sup>307</sup> *Dentimargo eburneolus*: *Marginella opalina* Stearns, 1872 (type locality: Rocky Point, Tampa Bay) and *M. denticulata destina* Schwengel, 1943 (type locality: off Destin, NW Florida) are synonyms; see Abbott (1974).
- <sup>308</sup> *Eratoidea hematita*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 15 June 2005, Campeche Bank, 22°16.21'N, 91°29.14'W, 111–116 m, EFG 26226.
- <sup>309</sup> *Prunum abyssorum*: Described from an unknown locality in Yucatán Strait, so might be endemic to GMx. *Marginella seminula* Dall, 1881, *non* Gould, 1860, is a synonym.
- <sup>310</sup> *Prunum amabile*: *Marginella roosevelti* Bartsch and Rehder, 1939, is a synonym; see Lipe (1991).
- <sup>311</sup> *Prunum apicinum*: Listed in the original Bulletin 89 (Rehder 1954) as *Marginella apicina*.
- <sup>312</sup> *Prunum bellum*: Campbell (1993) restricted this species to the Plio-Pleistocene; if this is correct, then the next available name for the Recent species is *Prunum bellulum* (Dall, 1890), which was described as a variety of *P. bellum*. The name *Volvarina avenacea*, which is a misspelling and a misidentification of *V. avena*, might also refer to this species [GR].
- <sup>313</sup> *Prunum hartleyanum*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 18 June 2005, Campeche Bank, 22°15.12'N, 90°41.63'W, 51–56 m, EFG 26081.
- <sup>314</sup> *Prunum lipei*: *P. aguayo* Ortea and Espinosa, 1996 (type locality: Campeche Bank) is a synonym; see Pina in Cossignani (2006).
- <sup>315</sup> *Prunum rostratum*: New record, SW GMx, ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26114.
- <sup>316</sup> *Prunum succinea*: *Marginella veliei* Pilsbry, 1896, is a synonym; see Coovert (1988b).
- <sup>317</sup> *Volvarina abbreviata*: *Marginella lactea* Kiener, 1841, *non* Swainson, 1840, is a synonym.
- <sup>318</sup> Cancellariidae: The reports by Calnan et al. (1986, 1989b) of *Trigonostoma rugosum* (Lamarck, 1822) from Texas needs confirmation.
- <sup>319</sup> *Agatrix agassizii*: New records for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.49'N, 92°21.44'W, 63–65 m, EFG 26294.
- <sup>320</sup> *Trigonostoma tenerum*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 23 June 2005, Louisiana, 28°00.86'N, 92°27.56'W, 86–91 m, EFG 26669.
- <sup>321</sup> *Tritonoharpa cubapatricae*: First record outside GMx; ID: H. G. Lee; coll. 1998, Sand Lemon Cays, San Blas Islands, Panamá, 2 m, H. G. Lee Collection.
- <sup>322</sup> Conoidea: Taylor et al. (1993) proposed a classification that moved some subfamilies of Turridae into Conidae, retained some in Turridae, and elevated others to familial status. Rosenberg (1998) reanalyzed their data and found that the data did not support all of these conclusions; he advocated retaining the traditional classification until more data from additional organ systems and taxa were available. Bouchet et al. (2005) introduced a classification based on interpretation of the Taylor et al. and Rosenberg analyses that recognized a number of family taxa within Conoidea, but did not introduce any new data. The traditional classification of Conidae and Turridae is therefore retained here as a new classification has not yet stabilized [GR].
- <sup>323</sup> *Conus amphurgus*: *C. juliae* Clench, 1943 (type locality: 9 miles off Fort Walton, Florida) is a synonym; see Walls (1979).
- <sup>324</sup> *Conus anabathrum*: *C. floridanus* Gabb, 1868 (type locality: Tampa Bay, Florida) and *C. floridensis* Sowerby II, 1870 (type locality: Florida) are synonyms; see Coomans et al. (1980, 1982). *Conus floridanus tranthami* Petuch, 1995 (type locality: Pickles Reef, off Plantation Key, northern Florida Keys) is also a synonym; see Filmer (2001). *Conus philippii* Kiener, 1845, was considered an older name for this species by Walls (1979), but Filmer (2001) considered it distinct; the situation is still unresolved.
- <sup>325</sup> *Conus armiger*: *C. clarki* Rehder and Abbott, 1951 (type locality: 50 miles SSW of Marsh Island, Iberia County, Louisiana, 28°27.0'N, 92°14.0'W) and *C. friseyae* Clench and Pulley, 1952 (type locality: Campeche Banks) are synonyms; see Walls (1979).
- <sup>326</sup> *Conus attenuatus*: *C. ustickei* Miller in Usticke, 1959, is a synonym; see Jong and Coomans (1988). New record for GMx; ID: A. J. Kohn; coll. R/V *Pelican*, 31 May 2004, W of Dry Tortugas, 24°49.06'N, 83°42.80'W, 81–82 m, EFG 25498.
- <sup>327</sup> *Conus cancellatus*: *C. austini* Rehder and Abbott, 1951 (type locality: Southeast of Loggerhead Key, Dry Tortugas) is a synonym; see Röckel and Vink (1982). Sometimes misidentified as *C. atractus* Tomlin, 1937, which is *C. anemone* Lamarck, 1810, a Pacific species (see Coomans et al. 1981).

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- <sup>328</sup> *Conus delessertii*: Listed in the original Bulletin 89 (Rehder 1954) as *C. sozoni* Bartsch (type locality: Tarpon Springs, W. Florida), a synonym; see Walls (1979). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 25793.
- <sup>329</sup> *Conus ermineus*: *C. perryae* Clench 1942 (type locality: 6 miles off Sanibel Island) and *C. testudinarius* Hwass, 1792, are synonyms; see Filmer (2001).
- <sup>330</sup> *Conus mazei*: New record for SW GMx; ID: FM; coll. 19 Aug. 1969, 19°03'N, 95°27'W, 457–883 m, TAMU# 4-1719.
- <sup>331</sup> *Conus mindanus*: *C. agassizii* Dall, 1886, is a synonym; see Walls (1979). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 16 June 2005, Campeche Bank, 22°08.76'N, 91°24.00'W, 63–65 m, EFG 26684.
- <sup>332</sup> *Conus patae*: New records for NW and SW GMx; ID: H. G. Lee; coll. R/V *Pelican*, 25 May 2000, Louisiana, 27°49.24'N, 92°53.7'W to 27°49.388'N, 92°53.55'W, H. G. Lee Collection; ID: EFG; coll. R/V *Pelican*, 17 June 2005, Campeche Bank, 22°07.98'N, 91°23.75'W, 48–51 m, EFG 25830.
- <sup>333</sup> *Conus pealii*: Listed in the original Bulletin 89 (Rehder 1954), misspelled as *C. pealei*. Removed from synonymy of *Conus jaspideus* by Vink (1991).
- <sup>334</sup> *Conus rainesae*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 16 June 2005, Campeche Bank, 22°16.28'N, 91°30.42'W, 107–108 m, EFG 25837.
- <sup>335</sup> *Conus regius*: New record for NW GMx; ID: A. J. Kohn, coll. FM, 25 July 2005, East Flower Garden Bank, Mooring Buoy #2, 27°54'31.9"N 93°35'49.0"W, 21 m, TAMUCC uncatagolged.
- <sup>336</sup> *Conus stearnsii*: Has been considered a synonym or subspecies of *C. jaspideus* Gmelin, 1791, but Vink (1991) demonstrated that it is distinct, and it is here considered to be endemic to GMx. Reports of *C. stearnsii* other than in West Florida and the Florida Keys have not been confirmed and are usually based on specimens of *C. pealii* in which the spiral grooves reach only halfway up the shell, but the grooves in such cases are wider and the shell is generally somewhat broader than in *C. stearnsii*. The grooves in *C. stearnsii* can reach more than halfway up the shell, but are closer together near the shoulder than in *C. pealii* [GR].
- <sup>337</sup> *Conus stimpsoni*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°50.22'N, 92°18.91'W, 53 m, EFG 25802.
- <sup>338</sup> *Conus villepini*: *C. fosteri* Clench and Aguayo, 1942, is a synonym; see Walls (1979). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 15 June 2005, Campeche Bank, 22°16.21'N, 91°29.14'W, 111–116 m, EFG 25828.
- <sup>339</sup> Terebridae: Dall's (1889b) record of *T. rushii* Dall, 1889a, from the Florida Keys is based on the type locality of that species, off Cape Florida; there is no material from the Keys proper in the USNM collection. Bratcher and Cernohorsky (1987) reported *T. doellojuradoi* Carcelles, 1953, from the GMx without further localization, but there are no verified records of the species outside Brazil. Simone and Gracia (2006) regarded *T. doellojuradoi* as a complex of species, so it is excluded here from the GMx fauna because of uncertainty of identification [GR].
- <sup>340</sup> *Terebra acrior*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26318.
- <sup>341</sup> *Terebra arcas*: New record for NW GMx; ID: T. Bratcher, coll. Allen Knight, off Freeport, Texas, 28°13'N, 94°51'W, 51 m, ANSP 338724.
- <sup>342</sup> *Terebra limatula*: Bratcher and Cernohorsky (1987) considered this a *nomen dubium* without explanation, even though syntypic material is available in the USNM type collection. Abbott (1974) considered it a sympatric form of *T. protexta*, but stated how to distinguish it. As the original description of the species is clear and various authors have recognized the species, it is here accepted as valid [GR].
- <sup>343</sup> *Terebra taurina*: Listed in the original Bulletin 89 (Rehder 1954) as *T. taurinum* Humphrey (in error; author is Lightfoot).
- <sup>344</sup> *Terebra vinosa*: New records for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°45.59'N, 92°12.63'W, 52–53 m, EFG 26180; R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.49'N, 92°21.44'W, 63–65 m, EFG 26198.
- <sup>345</sup> *Drilliola loprestiana*: *Microdrillia comatotropis* (Dall, 1881) (type locality: off Cape San Antonio, Cuba) is a synonym; see Bouchet and Warén (1980). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 26623.
- <sup>346</sup> *Drilliola pruina*: *Gymnobela tanneri* (Verrill and Smith, 1884) is a synonym; see Bouchet and Warén (1980).
- <sup>347</sup> *Glyphostoma dentiferum*: New record for NE GMx; ID: EFG; coll. R/V *Pelican*, 15 Oct. 2004, Alabama, 29°21' N, 87°42' W, 140 m, EFG 14541. Rezak et al. (1985) report this species in the northern GMx, but not with enough precision to be assigned to NE or NW quadrants.
- <sup>348</sup> *Glyphostoma epicasta*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°47.17'N, 90°15.97'W, 350 m, EFG 26787.
- <sup>349</sup> *Glyphostoma gabbii*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 30 June 2001, Louisiana, 28°03.439'N, 92°26.978'W, 71–74 m, EFG 23278.
- <sup>350</sup> *Glyphostoma herminea*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26510.
- <sup>351</sup> *Glyphostoma pilsbryi*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26513.
- <sup>352</sup> *Nannodiella oxia*: Misidentified as *N. melanitica* by Odé (1992a); see *N. vespuciana*. New record, SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26518.
- <sup>353</sup> *Nannodiella vespuciana*: *N. melanitica* (Dall, 1890), a junior synonym that is sometimes confused with *N. oxia*, is often attributed to Bush (1885), but is a nude name there; see Jong and Coomans (1988).
- <sup>354</sup> *Pyrrogospira tampaensis*: *Crassispira tampaensis bartschi* L. Perry, 1940 (type locality: off Sanibel and Captiva Islands, Lee County, Florida) is a synonym; see Williams (2005).
- <sup>355</sup> *Crassispira cubana*: *Crassispira mesoleuca* Rehder, 1943 (type locality: Looe Key Reef, Florida) is a synonym; see Abbott (1974).
- <sup>356</sup> *Hindsiclava macilentata*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.49'N, 92°21.44'W, 63–65 m, EFG 26193.
- <sup>357</sup> *Inodrillia cestrota*: New record for SE GMx; ID: V. O. Maes; coll. Jim Moore, off Alligator Key Light, Florida Keys, 183 m, ANSP 319781.
- <sup>358</sup> *Lioglyphostoma aguadillanum*: New record for GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°50.22'N, 92°18.91'W, 53 m, EFG 26104.

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>359</sup> *Lioglyphostoma antillarum*: New records for NE, NW, and SW GMx; ID: EFG; coll. R/V *Pelican*, 15 Oct. 1994, Alabama, 29°14'N, 88°15'W, in 123 m, EFG 14528; R/V *Pelican*, 1 July 2001, Louisiana, 28°20.601'N, 90°46.926'W, core sample, 54 m, EFG 23488; R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26508.
- <sup>360</sup> *Lioglyphostoma oenoa*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26515.
- <sup>361</sup> *Bellaspira pentagonalis*: New records for NW and SW GMx; ID: EFG; R/V *Pelican*, 30 June 2001, Louisiana, 28°03.439'N, 92°26.978'W, 71–74 m, EFG 23280; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 26542.
- <sup>362</sup> *Cerodrillia perryae*: New record for NW GMx; ID: EFG; coll. R/V *Pelican*, 23 June 2005, Louisiana, 28°00.86'N, 92°27.56'W, 86–91 m, EFG 26525.
- <sup>363</sup> *Drillia wolfei*: New record for GMx; ID: D. L. Tippett; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26527.
- <sup>364</sup> *Fenimorea halidorema*: New records for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°18.39'N, 90°21.84'W, 49–52 m, EFG 26240.
- <sup>365</sup> *Fenimorea pagodula*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26123.
- <sup>366</sup> *Leptadrillia cookei*: *Leptadrillia splendida* Bartsch, 1934, is a synonym; see Jong and Coomans (1988).
- <sup>367</sup> *Splendrillia moseri*: *Fenimorea moseri brunnescens* Rehder, 1943 (type locality: Fort Walton, Okaloosa County, Florida) is a synonym; see Williams (2005). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26112.
- <sup>368</sup> *Viridrillia cervina*: Sometimes misidentified as *Drillia ebur* (Reeve, 1845); see Bartsch (1943).
- <sup>369</sup> Mangeliinae: The report by Parker (1956) of *Mangelia ceroplasta* Bush, 1885, off the Mississippi Delta needs confirmation.
- <sup>370</sup> *Agathotoma candidissima*: *Pyrgocythara coxi* Fargo, 1953, and *P. densestriata* (C. B. Adams, 1850) are synonyms; see Williams (2005).
- <sup>371</sup> *Brachycythara galae*: New records for NW and SW GMx; ID: EFG; coll. R/V *Pelican*, 23 June 2005, Louisiana, 28°00.86'N, 92°27.56'W, 86–91 m, EFG 26630; R/V *Pelican*, 10 June 2005, Campeche Bank, 20°52.40'N, 92°24.83'W, 77–81 m, EFG 26629.
- <sup>372</sup> *Cryoturris adamsii*: ANSP 358400–358404 contain voucher specimens for Calnan (1989a, b), deposited by the Texas Bureau of Economic Geology.
- <sup>373</sup> *Ithythythara auberiana*: *I. rubricata* (Reeve, 1846) may be an older name for this species; see Williams (2005).
- <sup>374</sup> *Kurtziella dorvilliae*: The name *K. accincta* (Montagu, 1808), which may be a synonym of *K. dorvilliae* (see Williams, 2005), is preoccupied by *Murex accinctus* Born, 1778.
- <sup>375</sup> *Kurtziella margaritifera*: New record for NW GMx; ID: EFG; coll. 1 July 2001, Louisiana, 28°37.920'N 90°36.550'W, 22 m, EFG 23550.
- <sup>376</sup> *Kurtziella serga*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.09'N, 92°27.10'W, 94–124 m, EFG 25955.
- <sup>377</sup> *Platycythara elata*: New records for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26641.
- <sup>378</sup> *Pyrgocythara cinctella*: *P. caribaea* (d'Orbigny, 1847) and *P. fusca* (C. B. Adams, 1845) are synonyms; see Faber (2004c).
- <sup>379</sup> *Saccharoturris monocingulata*: New records for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26609.
- <sup>380</sup> *Tenaturris inepta*: *T. bartlettii* (Dall, 1889) is a synonym; see Williams (2005).
- <sup>381</sup> *Thelecythara floridana*: *T. borroi* Sarasúa, 1975 (type locality: Marianao, Habana, Cuba) is a synonym; see Williams (2005).
- <sup>382</sup> Raphitominae: The record of *Daphella grundifera* (Dall 1927) off Texas by Odé (1992c) needs confirmation.
- <sup>383</sup> *Daphnella cubana*: New record for GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 21°00.13'N, 92°26.09'W, 70–72 m, EFG 26214.
- <sup>384</sup> *Daphnella margaretae*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 17 June 2005, Campeche Bank, 22°11.46'N, 91°08.71'W, 50–55 m, EFG 26070.
- <sup>385</sup> *Daphnella retifera*: New records for NE and SW GMx; ID: EFG; coll. 1965, off Ft. Meyers, Florida, 85 m, EFG 26982; R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26569.
- <sup>386</sup> *Eucyclotoma cingulata*: New records for GMx; ID: V. O. Maes, off Destin, W. Florida, 26 m, ANSP 252136; ID: EFG; coll. R/V *Pelican*, 18 June 2005, Campeche Bank, 22°14.04'N, 90°41.63'W, 37–43 m, EFG 26154.
- <sup>387</sup> *Gymnobela extensa*: *G. judithae* Clarke, 1989 (type locality: R/V *Gyre* Station 34, Bush Hill, Louisiana Slope, 27°47.05'N, 91°30.5'W, 512 m) is a synonym; see Warén and Bouchet (1993).
- <sup>388</sup> *Gymnobela malmii*: New records for NE and NW GMx; ID: EFG; coll. R/V *Pelican*, 5 June 2004, W. Florida, 27°51.79'N, 84°59.82'W, 308–323 m, EFG 25294; R/V *Pelican*, 1 Aug. 2002, Louisiana, 27°46.904'N 91°30.286'W, 546–555 m, EFG 24054.
- <sup>389</sup> *Pleurotomella circumvoluta*: *Pleurotoma detecta* Dall, 1881 (type locality: Blake sta. 43, south of Dry Tortugas) is preoccupied by *P. detecta* des Moulins, 1842, and is here replaced by *P. circumvoluta* Watson, which Dall (1889a) considered to be a synonym [GR].
- <sup>390</sup> *Rimosodaphnella morra*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26575.
- <sup>391</sup> *Teretiopsis thaumastopsis*: *Teretia aperta* (Dall, 1927) is a synonym; see Bouchet and Warén (1980).
- <sup>392</sup> *Theta chariessa*: *T. jeffreysi* (A. E. Verrill, 1885) is a synonym; see Bouchet and Warén (1980).
- <sup>393</sup> *Strictispira redfernii*: Previously misidentified as *Pyrgospira acurugata* (Dall, 1890); see Tippett (2006).
- <sup>394</sup> *Strictispira solida*: Often misidentified as *Drillia ebenina* Dall, 1890; see Tippett (2006).
- <sup>395</sup> *Gemmula periscelida*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 21 June 2005, Campeche Bank, 22°46.25'N, 90°16.52'W, 350 m, EFG 25888.
- <sup>396</sup> *Compsodrillia eucosmia*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°45.59'N, 92°12.63'W, 52–53 m, EFG 25957.
- <sup>397</sup> Known only from the type locality, off Cape San Antonio, so might be part of the GMx fauna.



## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>398</sup> *Pilsbryspira albocincta*: New record for SE GMx; ID: V. O. Maes, Nov. 1977; coll. Dry Tortugas, ANSP 211824. A specimen from Texas from Calnan et al. (1989b) is preserved in ANSP 358369; it may be subfossil.
- <sup>399</sup> *Pilsbryspira flucki*: *P. auberti* (Lamy, 1934) is a synonym; see Williams (2005). Williams (2005) is incorrect in saying the holotype of *Drillia harfordiana* var. *flucki* Brown and Pilsbry, 1913 (ANSP 96170), is a Pleistocene fossil; it is a Recent specimen from Kings Keys, Nicaragua. *P. harfordiana* (Reeve, 1843) is an eastern Pacific species; see Tippett (1995).
- <sup>400</sup> *Zonulispira crocata*: *Crassispira sanibelensis* Bartsch and Rehder, 1939 (type locality: Sanibel Island, Florida) is a synonym; see Williams (2005).
- <sup>401</sup> *Orbitestella cubana* Rolán and Rubio, 1992, is a synonym; see Moolenbeek (1994).
- <sup>402</sup> *Adelphotectonica uruguayana*: *Architectonica sunderlandi* Petuch, 1987 (type locality: off Key West, Florida Keys) is a synonym; see Bieler (1993).
- <sup>403</sup> *Discotectonica discus*: *Architectonica peracuta* (Dall, 1889) is a synonym; see Bieler (1993).
- <sup>404</sup> *Heliacus cylindricus*: *H. cylindraceus* (Dillwyn, 1817) is a synonym; see Bieler (1993).
- <sup>405</sup> *Heliacus perrieri*: Sometimes misidentified as *H. infundibuliformis* (Gmelin, 1791), an Indo-Pacific species; see Bieler (1993).
- <sup>406</sup> *Pseudomalaxis zancleus*: *Omalaxis nobilis* (A. H. Verrill, 1885) is a synonym; see Bieler (1993).
- <sup>407</sup> *Spirolaxis centrifuga*: *Omalaxis exquisitus* Dall and Simpson, 1901, is a synonym; see Jong and Coomans (1988).
- <sup>408</sup> *Mathilda vanaartseni*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26304.
- <sup>409</sup> *Iselica globosa*: *Iselica anomala* (C. B. Adams, 1850) is a synonym; see Campbell (1993).
- <sup>410</sup> *Murchisonella spectrum*: *Bermudaclis bermudensis* (Dall and Bartsch, 1911) and *B. tampaensis* Bartsch, 1947 (type locality: Tampa Bay at St. Petersburg, Florida) are synonyms; see Faber (2005).
- <sup>411</sup> *Odostomiinae*: Robertson (1978) noted that reports of *Odostomia bisuturalis* (Say, 1822) south of New York needed confirmation. Altena's (1975) report of his *Eulimastoma surinamensis* from Texas needs confirmation [GR].
- <sup>412</sup> *Eulimastoma engonium*: *E. teres* (Bush, 1885) is a synonym; see Pimenta and Absalão (2004).
- <sup>413</sup> *Eulimastoma weberi*: First record outside GMx; ID: H. G. Lee; coll. 12 May 1992, 1.5 NE of Mayport, Florida, 12 m, H. G. Lee Collection.
- <sup>414</sup> *Fargoa bushiana*: The name *Fargoa dux* (Dall and Bartsch, 1906) has been used for this species because Wells and Wells (1961) argued that the type locality of Japan was incorrect, but Robertson (1978) noted that they had not examined type material and so preferred to use a name with a Western Atlantic type locality.
- <sup>415</sup> *Folinella navisa*: An Eastern Pacific species first reported in the GMx from Texas and Louisiana by Odé (1993a).
- <sup>416</sup> *Mumiola gradatula*: *Chrysalidella toroensis* (Olsson and McGinty, 1958) is a synonym; see Faber (2005).
- <sup>417</sup> *Trabecula laxa*: An Eastern Pacific species first reported in the GMx from Texas by Odé (1993a).
- <sup>418</sup> *Longchaeus suturalis*: *Pyramidella crenulata* (Holmes, 1859) is a synonym; see Campbell (1993).
- <sup>419</sup> *Sayella hemphillii*: *S. livida* Rehder, 1935 (type locality: Corpus Christi Bay, Texas) is a synonym; see Wise (1996).
- <sup>420</sup> *Triptychus niveus*: *Pyramidella vincta* Dall, 1884 (type locality: Key West, Florida) is a synonym; see Dall (1889a).
- <sup>421</sup> *Turbonillinae*: The records by Dall (1889b) of *Turbonilla exilis* (C. B. Adams, 1850) from W Florida and the Florida Keys need confirmation.
- <sup>422</sup> *Bacteridium bermudense*: *Turbonilla bartschi* Aguayo and Rehder, 1936 (type locality: La Chorrera, Habana, Cuba) is a synonym; see Pimenta and Absalão (2001).
- <sup>423</sup> *Turbonilla abrupta*: New record for NW GMx; ID: H. G. Lee; coll. R/V *Pelican*, 30 June 2001, Louisiana, 28°03.439'N, 92°26.978'W, 71–74 m, EFG 23299.
- <sup>424</sup> *Turbonilla arnoldo*: Odé (1993c) regarded this species as a synonym of *T. elegans* (d'Orbigny, 1841).
- <sup>425</sup> *Turbonilla coomansi*: *T. pusilla* (C. B. Adams, 1850), non Philippi, 1844, is a synonym; see Aartsen (1994).
- <sup>426</sup> *Turbonilla fonteini*: Reported as *Odostomella doliolum* (Philippi, 1844), an Eastern Atlantic species, by Odé (1993a, c); reidentified as *T. fonteini* by García and Lee (2002).
- <sup>427</sup> *Turbonilla krebsii*: *T. palmerae* Aguayo and Jaume, 1936 (type locality: La Chorrera, Habana, Cuba) is a synonym; see Jong and Coomans (1988).
- <sup>428</sup> *Turbonilla levis*: Odé (1995a) considered *T. crenulata* (Menke, 1830) to be an older name for this species.
- <sup>429</sup> *Turbonilla penistoni*: *T. swiftii* Bush, 1899, is a synonym; see Absalão and Pimenta (1999).
- <sup>430</sup> *Turbonilla riisei*: *Turbonilla pilsbryi* Bush, 1899, is a synonym; see Jong and Coomans (1988).
- <sup>431</sup> *Turbonilla viridaria*: *T. viridimaris* is a misspelling by Gundersen (1998).
- <sup>432</sup> *Acteon candens*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 11 June 2005, Campeche Bank, 20°00.35'N, 92°26.10'W, 73–77 m, EFG 26404.
- <sup>433</sup> *Mysouffa cumingii*: *Acteon finlayi* McGinty, 1955, is a synonym; see Ev. Marcus (1977b). New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26119.
- <sup>434</sup> *Hydatina vesicaria*: Considered a synonym of *Hydatina physis* (Linnaeus, 1758) by some authors; that species is restricted to the Indo-Pacific according to Voskuil (1995).
- <sup>435</sup> *Bulla eburneola*: New record for SW GMx; ID: EFG; coll. R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.49'N, 92°21.44'W, 63–65 m, EFG 26408.
- <sup>436</sup> *Haminoeidae*: The record of *Haminoea petiti* (d'Orbigny, 1841) from Tampa, West Florida, by Dall (1889b) could not be confirmed; his material was not located at USNM [GR].
- <sup>437</sup> *Atys macandrewii*: *Atys lineata* Ustick, 1959, is a synonym; see Martínez and Ortea (1998).

(continued)

## Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)

- <sup>438</sup> *Haminoea elegans*: *H. taylora* Petuch, 1987 (type locality: Joe Kemp Key, Florida Bay) is a synonym; see Martínez and Ortea (1997).
- <sup>439</sup> Cylichnidae: The Florida Keys record of Dall (1889b) for *Tornatina eburnea* (A. E. Verrill, 1885) apparently was based on USNM 83059, Turtle Harbor, Florida, 11 m. Turtle Harbor is east of the upper part of Key Largo and so is not in the GMx [GR].
- <sup>440</sup> *Cylichna verrillii*: New records for NE and SW GMx; ID: EFG; coll. R/V *Pelican*, 5 June 2004, W. Florida, 27°45.27'N, 84°27.64'W, 104–108 m, EFG 25139; R/V *Pelican*, 10 June 2005, Campeche Bank, 20°51.16'N, 92°26.28'W, 93–94 m, EFG 26406.
- <sup>441</sup> *Roxania pinguicula*: *Bulla abyssicola* Dall, 1881 (type locality: Yucatán Strait) is a synonym; see Sabelli et al. (1990).
- <sup>442</sup> *Scaphander punctostriatus*: *S. punctostriatus* var. *clavus* Dall, 1889, is a synonym; see Bouchet (1975).
- <sup>443</sup> *Scaphander watsoni*: *S. watsoni rehderi* Bullis, 1956 (type locality: Oregon sta. 1282, 29°10'N, 88°03'W) is a synonym; see Ev. Marcus (1974).
- <sup>444</sup> *Gastropteron chacomol*: Formerly misidentified as *G. rubrum* (Rafinesque, 1814); see Gosliner (1989).
- <sup>445</sup> Philinidae: The record of *Philine flexuosa* M. Sars, 1870, from Yucatán Strait by Dall (1889a) could not be confirmed; his material could not be located at USNM. The species is otherwise known only from the NE Atlantic, and so is rejected from the GMx and Western Atlantic faunas [GR].
- <sup>446</sup> *Pyrrunculus ovatus*: The record of Dall (1889b) from the Florida Keys could not be confirmed; his material was not located at USNM [GR].
- <sup>447</sup> *Volvulella minuta*: *V. acuta* (d'Orbigny, 1841), *non* Grateloup, 1828, is a synonym, as is *V. recta* Harry, 1967, which is an emendation of *acuta* based on Mörch's (1875) confusion of *Bulla recta* and *Bulla acuta* d'Orbigny, 1841; see Jong and Coomans (1988).
- <sup>448</sup> *Volvulella texasiana*: New record for NE GMx; South Pass, Mississippi River, Louisiana, surface, HMNS.MAL 10236.
- <sup>449</sup> *Cavolinia gibbosa*: Rampal (2002) treated *C. gibbosa* forma *flava* (d'Orbigny, 1834) as a full species; if this is correct, then, according to the distributions she recognized, *C. flava*, not *C. gibbosa*, is the species expected in GMx [GR].
- <sup>450</sup> *Creseis conica*: Formerly considered a form of *C. virgula*, but treated as a full species by Rampal (2002).
- <sup>451</sup> *Cuvierina atlantica*: Janssen (2005) restricted *C. columnella* (Rang, 1827) to the Indo-Pacific; GMx references to that species are *C. atlantica*.
- <sup>452</sup> *Diacria danae*: Leyen and van der Spoel (1982) restricted *Diacria quadridentata* Blainville, 1821, to the Indo-West Pacific; GMx references are to *D. danae*.
- <sup>453</sup> *Peracle diversa*: *P. apicifulva* Meisenheimer, 1906, is a synonym; see Gaglini and Villari (1994).
- <sup>454</sup> *Pneumoderma violaceum*: *Pneumoderma atlantica* Oken, 1815, is a synonym; Oken's work was rejected by ICZN Opinion 417 (1956).
- <sup>455</sup> *Aplysia fasciata*: Listed in the original Bulletin 89 (Rehder 1954) as *A. willcoxi* Heilprin [1887] (type locality: Little Gasparilla Bay, W Florida), a junior synonym. *Aplysia brasiliana* Rang, 1828, is also a synonym; see Medina et al. (2005).
- <sup>456</sup> *Aplysia juliana*: New record for GMx; coll. 1 Aug. 2000, W. Florida, 26.18833°N, 83.45860°W, 60 m, NBI 69014.
- <sup>457</sup> *Aplysia morio*: *A. donca* Ev. Marcus and Er. Marcus, 1960, is a synonym; see Valdés et al. (2006).
- <sup>458</sup> *Bursatella leachii*: *B. leachii pleii* (Rang, 1828) is a synonym; see Valdés et al. (2006).
- <sup>459</sup> *Stylocheilus striatus*: Often misidentified as *S. longicauda* (Quoy and Gaimard, 1824); see Rudman (1999).
- <sup>460</sup> *Lobiger souverbii*: *L. pilsbryi* Schwengel, 1941, is a synonym; see Valdés et al. (2006).
- <sup>461</sup> *Elysia serca*: *E. clena* Er. Marcus and Ev. Marcus, 1970, is a synonym; see Jensen (1982).
- <sup>462</sup> *Elysia subornata*: *E. cauze* Er. Marcus, 1957, is a synonym; see Clark (1984).
- <sup>463</sup> *Ercolania fuscovittata*: Behrens (2006) reported this Eastern Pacific species as introduced in Florida and Texas.
- <sup>464</sup> *Ercolania viridis*: *Ercolania funerea* (A. Costa, 1867) is a synonym; see Valdés et al. (2006).
- <sup>465</sup> *Umbraculum umbraculum*: *U. plicatulum* (Martens, 1881) is a synonym. New record for SW GMx; coll. 1960s, Campeche Bay, Mexico, HMNS.MAL 14081.
- <sup>466</sup> *Pleurobranchaea inconspicua*: *P. hedgpethi* Abbott, 1952 (type locality: Port Aransas, Texas) is a synonym; see Ev. Marcus and Gosliner (1984).
- <sup>467</sup> *Pleurobranchus atlanticus*: *P. reesi* White, 1952 (type locality: Bird Key, Dry Tortugas) is a synonym; see Rudman (2001). Valdés et al. (2006) considered *P. atlanticus* to be a synonym of *P. crossei* Vayssiére, 1897, but Rudman (2006) considered *P. crossei* to be a *nomen dubium*.
- <sup>468</sup> *Glossodoris punctilucens*: Eastern Atlantic records of this species were reidentified as *G. edmundsi* Cervera, García-Gómez, and Ortea, 1989, when the latter species was named. The Florida specimen photographed by Kaicher and illustrated in Valdés et al. (2006) was collected at Crystal River, W Florida, according to W. G. Lyons (pers. comm. to GR).
- <sup>469</sup> *Glossodoris sedna*: Valdés et al. (2006) regarded this species as possibly introduced from the Eastern Pacific.
- <sup>470</sup> *Hypselodoris picta*: *Glossodoris edenticulata* White, 1952 (type locality: Dry Tortugas, Florida) is a synonym; see Ortea et al. (1996).
- <sup>471</sup> *Discodoris evelinae*: *D. hedgpethi* Ev. Marcus and Er. Marcus, 1960b (type locality: Port Aransas, Texas) is a synonym; see Ev. Marcus (1971).
- <sup>472</sup> Onchidoridoidea: The record of *Onchidoris bilamellata* (Linnaeus, 1761) from West Florida by Cooley (1978) needs confirmation; the species is not otherwise reported south of New Jersey.
- <sup>473</sup> *Corambe obscura*: *Corambella baratariae* Harry, 1953, is a synonym; see Swennen and Decker 1995.
- <sup>474</sup> *Polycera herthae*: *P. manzanilloensis* Ortea, Espinosa, and Camacho, 1999, is a synonym; see Valdés et al. (2006).
- <sup>475</sup> *Thecacera pacifica*: An Indo-Pacific species first reported in the Western Atlantic in 2006, at Stetson Bank off Texas; see Burek (2006).
- <sup>476</sup> *Armina watila*: *A. abbotti* Thompson, Cattaneo, and Wong, 1990, is a synonym; see Valdés et al. (2006). Sometimes misidentified as *Armina tigrina* Rafinesque, 1814.
- <sup>477</sup> *Janolus comis*: *J. costacubensis* Ortea and Espinosa, 2000, is a synonym; see Valdés et al. (2006).
- <sup>478</sup> *Berghia verrucicornis*: Sometimes misidentified as *Berghia coerulescens* (Laurillard, 1830); see Ev. Marcus (1972a); may itself be a misidentification of *Berghia rissodominguezi* Muniain and Ortea, 1999; see Valdés et al. (2006).

**Checklist of gastropods (Mollusca: Gastropoda) from the Gulf of Mexico. (continued)**

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<sup>479</sup> *Cratena pilata*: *Cratena kaoruae* Er. Marcus, 1957, is a synonym; see Ev. Marcus (1972b).

<sup>480</sup> Ellobiidae: The record of *Myosotella myosotis* (Draparnaud, 1801) from West Florida by Dall (1889b) is rejected (see discussion above).

<sup>481</sup> *Ellobium dominicense*: *E. pellucens* (Menke, 1828) is a synonym; see Martins (1996).

<sup>482</sup> *Melampus morrisoni*: *Detracia clarki* Morrison, 1951 (type locality: Key West, or Stock Island or Boca Chica Key, Florida) is a synonym; see Martins (1996).

<sup>483</sup> *Microtralia occidentalis*: Faber (2004c) showed that *M. ovulum* (Pfeiffer, 1840) is an older name for this species, but we retain the junior name *M. occidentalis* (Pfeiffer, 1854) to avoid confusion with *Tralia ovula* (Bruguière, 1789).

<sup>484</sup> *Tralia ovula*: *T. pusilla* (Gmelin, 1791) is a synonym; see Martins (1996).

<sup>485</sup> *Siphonaria pectinata*: Listed in the original Bulletin 89 (Rehder 1954) as *S. pectinata* Gmelin (in error; author is Linnaeus).