

POLYCHAETOUS ANNELIDS FROM THE COAST OF PARAÍBA STATE, BRAZIL

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RESUMO

Anelídeos poliquetas da costa do estado da Paraíba, Brasil. Neste estudo, apresentamos uma lista de anelídeos poliquetas coletados ao longo da costa do estado da Paraíba, Brasil. Foram registradas 103 espécies pertencentes a 32 famílias. Dezoito espécies e dois gêneros representam novos registros para América do Sul e 89 espécies novos registros para a costa do Brasil. Esta é a primeira tentativa de descrever a diversidade de poliquetos marinhos da região.

Palavras-chave: Annelida, Polychaeta, Lista de espécies, Costa da Paraíba, Brasil

ABSTRACT

Polychaetous annelids from coast of Paraíba State, Brazil. In this paper, we present a list of polychaetous annelids collected along of the coast of the State of Paraíba, Brazil. A total of 103 species were recorded, belonging to 32 families. Eighteen species and 2 genera are new records for South America, and 89 species represent new records for Brazil. This list is the first attempt to describe the diversity of marine polychaetes in the region.

Key words: Annelida, Polychaeta, List of species, Paraíba coast, Brazil.

INTRODUCTION

Polychaete annelids represent a dominant component of the marine benthic infauna, regardless of whether nearshore shallow waters or offshore continental shelf areas are considered (BLAKE, 1997a; MARTIN and BRITAYEV,

1998).

Polychaetes may occur in all marine regions, tropical, subtropical, or polar, a significant portion tolerating estuarine environments, and a few living in continental waters and terrestrial environments (GEORGE and HARTMANN-SCHRÖDER, 1985; AMARAL and NONATO, 1996).

The aim of this paper is to present a list of the annelid polychaetes from the coast of the State of Paraíba, Brazil, indicating new occurrences for Northeastern Brazil, for Brazil, and for South America.

The Atlantic Coast of the Paraíba state

The abrasion terraces in tropical reef environments represent important ecosystems for several marine organisms adapted for living in the intertidal region (GUILCHER, 1998). Reef environments are considered one of the most important ecological systems for their species richness (WHITE *et al.*, 1994; GUILCHER, 1998). Besides their taxonomic richness, one may observe in these environments an enormous variety of forms, habits, behaviors and ecological relationships (SALE, 1991).

Natural reef environments along the northeastern coast of Brazil are described as small and elongate, corals commonly being inserted on the rocky substrates (WHITE *et al.*, 1994; CASTO and PIRES, 2001).

Although the coastline of the State of Paraíba is rather short, its 138 km contain diverse reef formations, extending from Barra de Camaratuba, Mataraca Municipality, in the North, near the borderline of the State of Rio Grande do Norte, to Pitimbu Municipality, in the south, near the border of the State of Pernambuco (Fig. 1). The greatest reef concentration may be observed in the Municipalities of Baía da Traição and João Pessoa. The most common reef formations are arenitic/coralline fringe reefs running parallel to the coastline (CARVALHO, 1982; MUNIZ *et al.*, 2000).

The continental shelf of the State of Paraíba has a maximum width of 30 km and depths not surpassing 50 m (KEMPF, 1970; MUNIZ *et al.*, 2000). Terrigenous sandy quartzite and a relatively narrow line of arenitic reefs, mud and biotrititic material dominate along the platform (TINOCO and MATOS, 1983).

MATERIAL AND METHODS

The material is deposited in the Marine Invertebrate Collection Paulo Young, Department of Systematics and Ecology, Federal University of Paraíba, PB under the acronym (POLY-UFPB) and is representative of the entire coastline of the State, being the product of collecting expeditions since the 80s. Among these projects, the most important were: A) the “Projeto Algas Marinhas do Nordeste Brasileiro – Divisão de Recursos Pesqueiros (SUDENE)”, with the participation of “Núcleo de Estudos e Pesquisa de Recursos do Mar (NEPREMAR - UFPB) – 1980”, that sampled 93 stations distributed uniformly along the entire

continental shelf of the State, between 10 and 35 m deep (Fig. 1); B) the “Projeto SEMAN – 2008”, conducted by “Prefeitura Municipal de João Pessoa”, being restricted to the beaches of the Municipality of João Pessoa; C) the “Projeto Biota (CNPq) – 2009”, which included consolidated substrates along the intertidal zones of all the coast of Paraíba (Fig. 1); D) Intensive intertidal collecting of marine invertebrates at the Cabo Branco beach conducted by one of the authors (MLC) during the 80s and 90s. Sporadic collecting has also been made by graduate students during advanced courses in zoology and ecology.

Our classification was based on the scheme presented in PETTIBONE (1982), and modified by BLAKE (1997a). Main references used to identify species are listed under each species and are cited in the references.

RESULTS

A total of 103 species and 76 genera were recorded, belonging to 32 families. Eighteen species and two genera are new records for South America, and 89 species represent new records for Brazil (Tab. 1).

Phyllocodidae was represented by *Eulalia myracyclum*, already recorded in Southern Brazil in the State of Paraná, and Southeastern Brazil in the State of São Paulo (MORGADO and AMARAL, 1984; LANA, 1987; AMARAL *et al.*, 2012), and for the northeastern coast of the State of Bahia (SANTA-ISABEL *et al.*, 2000).

Glyceridae has three species reported for Brazil, *Glycera americana* already recorded for the States of the south, in Rio Grande do Sul, Santa Catarina, and Paraná, and the States of the Southeast, São Paulo and Rio de Janeiro. In the Northeast for the States of Alagoas and Sergipe (RIZZO and STEINER, 2006); *Glycera oxycephala*, recorded for the States of the South, Paraná and Santa Catarina, and of the Southeast, São Paulo and Rio de Janeiro, and *Glycera lapidum*, only for São Paulo and Rio de Janeiro (RIZZO and STEINER, 2006; AMARAL *et al.*, 2012).

Hesionidae is represented by *Hesione picta*, *Hesione splendida* and *Ophiodromus pugettensis*. The three species have been recorded for the Brazilian littoral, in Paraná, Santa Catarina (South), São Paulo, and Rio de Janeiro (Southeast), and Sergipe and Alagoas (Northeast) (AMARAL *et al.*, 2012). COSTA *et al.* (2008) synonymized *H. picta* with *H. splendida*, after observing no differences between Brazilian specimens attributable to both species. A detailed revision of the Brazilian specimens of *Hesione* is necessary. *O. pugettensis* is represented in São Paulo and Rio de Janeiro (DUARTE and NALESSO, 1996; RIZZO and AMARAL, 2000). According to BLAKE (1997a), *O. pugettensis* is a synonym of *Podarke pugettensis* and inhabits the intertidal region from the State of Washington to California, USA.

The species of Nereididae have been well sampled in other Brazilian States (SANTOS and LANA, 2003; AMARAL *et al.*, 2012), providing some records for Paraíba, where they are also well represented. We have still not been able

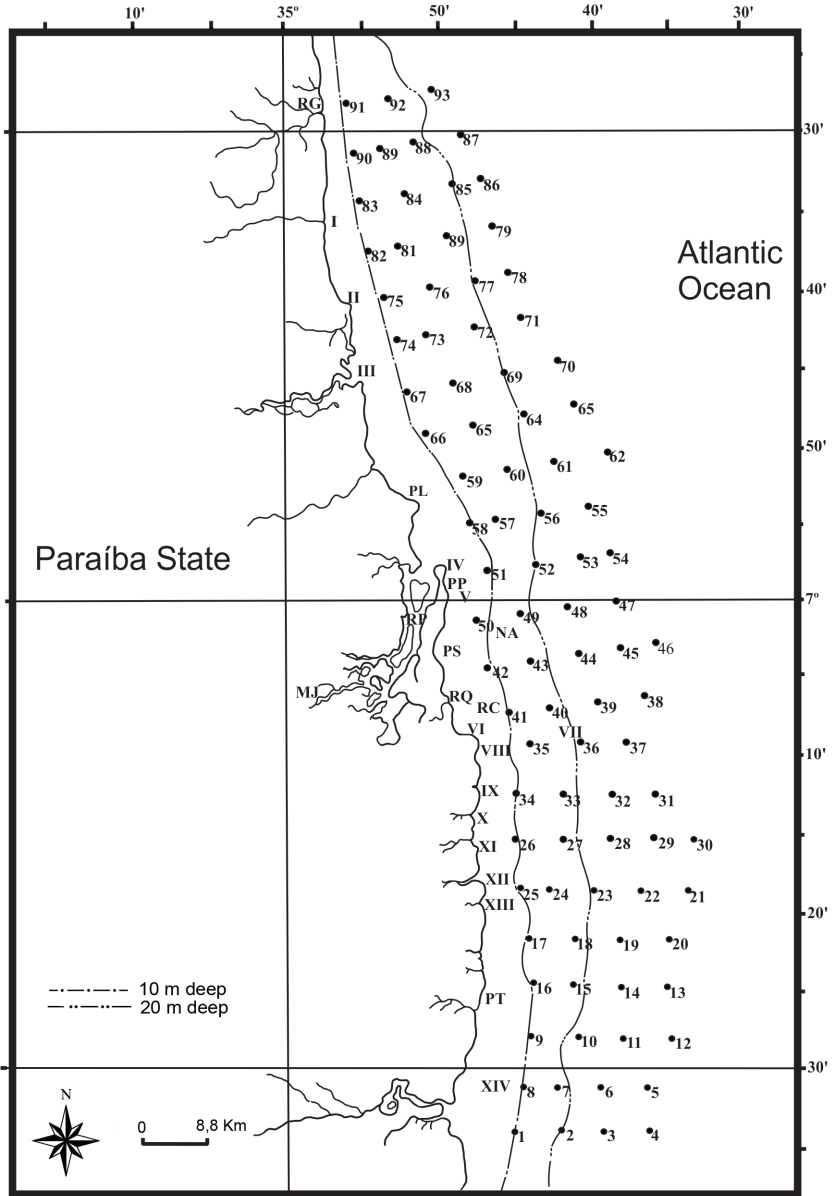


Figure 1. Map showing the stations of the “Projeto Algas Marinhas”, mentioned in the text, distributed along to the Continental Shelf of the State of Paraíba. They are represented by Arabic numerals. The collecting localities of the “Projeto Biota” are marked with Roman numerals as follows: **I** - Barra de Camaratuba (6°36'S; 34° 57'W), Municipality of Mataraca; **II** - Baía da Traição (6°41'S; 34°55'W), Municipality of Baía da Traição; **III** - Barra de Mamanguape (6°46'S; 34°55'W), Municipality of Rio Tinto; **IV** - Píer de Cabedelo (6°57'S; 34°50'W), Mun. Cabedelo; **V** – Recifes de Areia Vermelha (7°00'S; 34°48'W), Municipality of Cabedelo; **VI** - Ponta do Cabo Branco (07°08'S; 34°47'W), Municipality of João Pessoa; **VII** - Pomar das Esponjas (07°08'04” S x 34°46'20” W), off Coast João Pessoa; **VIII** – Recifes do Seixas (7°9'S; 34°47'W), Municipality of João Pessoa; **IX** – Praia de Jacumã (7°17'S; 34°48'W), Municipality of Conde; **X** - Carapibus (7°18'S; 34°48'W), Municipality of Conde; **XI** - Tabatinga (7°19'S; 34°48'W), Municipality of Conde; **XII** - Praia de Coqueirinho (7°19'S; 34°47'W), Municipality of Conde; **XIII** - Praia de Tambaba (7° 21'S; 34°47'W), Municipality of Conde; **XIV** - Pedra da Galé (07°28'S; 34°47'W), Municipality of Pitimbu; Capital letters stand for the following localities: **(RG)** Barra do Rio Guaju (6°31'S; 34°58'W) - Municipality of Mataraca; **(PL)** Praia de Lucena (6°53'S; 34°51'W) - Municipality of Lucena; **(PP)** Praia do Poço (6°59'S; 34°49'W) - Municipality of Cabedelo; **(RP)** Rio Paraíba do Norte (6°59'S; 34°50'W) - Municipality of Cabedelo; **(MJ)** Mangue do Alto do Mateus (7°08'S; 34°53'W) - Municipality of João Pessoa; **(PS)** Praia do Bessa (07°04'S; 34°49'W) - Municipality of João Pessoa; **(NA)** Off coast of João Pessoa, Naufrágio Alvarenga, (7°02'S; 34°44'W); **(RQ)** Recife Quebra-Quilha (6°50'S; 34°42'W) - João Pessoa; **(RC)** Recife de Picãozinho (7°07'S; 34°48'W) - Municipality of João Pessoa; **(PT)** Praia de Pitimbu (07°28'S; 34°47'W) - Municipality of Pitimbu.

to identify the Syllidae, but hope to do so with the help of specialists. Family Paracydoniidae was represented by *Paracydonia paradoxa*, already recorded for other Brazilian localities, Paraná, São Paulo and Rio de Janeiro (RIZZO and AMARAL, 2007), and now also recorded for Paraíba.

The scale-worms, Polynoidae and Sigalionidae, had three species recorded, but only the Polynoidae were well sampled along the coast of Paraíba. The species *Pelogenia arenosa* and *Sthenelanellela uniformis* (Sigalionidae) were indicated as *Psammolyce arenosa* and *Sthenelanellela atypica* in AMARAL *et al.* (2012). However, the two latter species are synonyms of the first and second species, respectively (PETTINOBE, 1969; BLAKE, 1997b). Aphroditidae showed two well distributed species, while Acoetidae has only one recorded species, *Phantalis oerstedii*, already known from the southern States of Paraná and Santa Catarina, and the Southeastern State of Rio de Janeiro (AMARAL and NONATO, 1984; LANA, 1987). Chrysopetalidae was restricted to *Chrysopetalum occidentale*, with a good number of individual occurrences.

Ampelinomidae has three species, *Choleia pinnata* being the first

reference for South America (KUDENOV, 1997), while the others have already been reported from the Brazilian coast. *Hermodice carunculata* was reported in the Northeast for Bahia, Pernambuco and Rio Grande do Norte States, and *Eurythoe complanata* was reported in the South for the States of São Paulo and Rio de Janeiro, and in the Northeast for Bahia, Alagoas, Pernambuco, Rio Grande do Norte and Ceará (NONATO and LUNA, 1970; AMARAL *et al.*, 2012), and now the three species are reported for the State of Paraíba.

Onuphidae is represented by three species already recorded from other Brazilian localities. *Diopatra tridentata* was reported for the South in Paraná and Santa Catarina States, for the Southeast in the States of São Paulo and Rio de Janeiro, and for the Northeast in Bahia and Alagoas. *Mooreonuphis intermedia* and *Mooreonuphis pallidula* were reported for the South in Paraná and Santa Catarina States, for the Southeast in São Paulo and Rio de Janeiro (NONATO and LUNA, 1970; AMARAL *et al.*, 2012). The three species are reported for the State of Paraíba.

Eunicidae was better represented in terms species richness, with 10 listed species. They are known from South, Southeastern and Northeastern Brazil (MORGADO and AMARAL, 1981; AMARAL *et al.*, 2012), although *Lysidice collaris* and *Marphysa longula* represent the first records for South America. Lumbrineridae is represented by a single well known species along the Brazilian coast, in the South, Southeast and Northeast (CAMARGO and LANA, 1985; AMARAL *et al.*, 2012).

Dorvilleidae and Orbiniidae represented only by undetermined species, but constitute a first record of the genus for the coast of Brazil.

Spionidae is represented by five identified and one unidentified species, three of which are well known along the Brazilian coast (SANTOS *et al.*, 2009; AMARAL *et al.*, 2012). *Prionospio heterobranchia* was reported for the South in Paraná and Santa Catarina, and for the Southeast in São Paulo, Rio de Janeiro and Espírito Santos, and *Prionospio malmgreni* was reported only for the Southeast in São Paulo and Rio de Janeiro. *Scolelepis (Scolelepis) lighti* had already been reported for the State of Paraíba. *Dypolydora tetrabranchia* and *Microspio microcera* represent first records for South America and for the State of Paraíba. Family Trochochaetidae is represented by a single genus.

Poecilochaetidae is represented by *Poecilochaetus australis*, recorded for the south of the country and for the State of Sergipe in the northeast (SANTOS and MACKIE, 2006; AMARAL *et al.*, 2012), but now is the first record for the State of Paraíba. The species *Chaetopterus variopedatus* is cosmopolitan (HUTCHINGS and RAINER, 1979; NÚÑEZ *et al.*, 1999), and is now reported for Paraíba.

Cirratulidae has four species in Paraíba that are well distributed in South and Southeastern Brazil (AMARAL *et al.*, 2012). *Cirriformia punctata* was reported for São Paulo, and now for the Northeast in the State of Paraíba. *Timarete caribous* was reported for Maranhão (PERTESSEN, 1999), and now for Paraíba, both in the Northeast. *Timarete punctata* has an incomplete record, but is now

reported for Paraíba, while *Timarete filigera* was reported for the Southeastern São Paulo and Rio de Janeiro, and now represents a new record for the State of Paraíba. Flabelligeridae is represented by *Semiodera caribea*, the first record for Paraíba and South America (SALAZAR-VALLEJO, 2009). Ophelidae is represented in Paraíba by three well distributed species in Brazil (AMARAL *et al.*, 2012). *Armandia intermedia* is Circutropical (NÚÑEZ *et al.*, 1999), but is the first record for Brazil, in Paraíba. *Armandia maculata* was reported for the South in Rio Grande do Sul, Paraná and Santa Catarina, for the Southeast in São Paulo and Rio de Janeiro, and for the Northeast in Alagoas and Paraíba. *Polyophthalmus pictus* was reported for Bahia and Rio Grande do Norte, and in this paper for the State of Paraíba.

Capitellidae has two well represented Brazilian species (AMARAL *et al.*, 2012), being first records for Paraíba. *Capitella capitata*, which was reported along the entire Brazilian coast, except for Paraíba, and *Dasybranchus caducus* was reported for the South in São Paulo, and for the Northeast in Bahia and Rio Grande do Norte.

Maldanidae is represented in Paraíba by 11 species, among which *Clymenella zonalis*, *Isocirrus coralicolus*, *Isocirrus papillatus*, *Micromaldane ornithochaeta*, and the genera *Microclymene* and *Sonatsa* are first records for South America and for Paraíba. *Axiothella brasiliensis* was reported for the South in Paraná, and for the Southeast in São Paulo and Rio de Janeiro, while *Euclymene coronata* was reported for São Paulo (AMARAL *et al.*, 2012).

Oweniidae appears in Paraíba with *Owenia fulsiformis*, a representative species along the coast of Brazil. The species was reported in all the south and southeastern States, and for the Northeast was reported in Bahia, Sergipe and Alagoas (AMARAL *et al.*, 2012), and now in Paraíba.

Pectinariidae is represented by *Pectinaria regalis*, previously reported from the coast of Rio de Janeiro and Bahia (SANTA-ISABEL *et al.*, 1998; AMARAL *et al.*, 2012). In this paper, we report this species for Paraíba.

The species of Terebellidae are all new records for Paraíba, *Streblossoma longifilis* originally from the Caribbean region, being a new record for South America. The remaining species had already been reported for other parts of Brazil (AMARAL *et al.*, 2012). *Loimia medua* has been reported for the South in Rio Grande do Sul and Paraná, for the Southeast in São Paulo and Rio de Janeiro, and for the Northeast in Bahia, Sergipe and Alagoas.

Sabellariidae has six well distributed species in Brazil (LANA and BREMEC, 1994; SANTOS *et al.*, 2009; Amaral *et al.*, 2012). *Sabellaria corallinea* is originally from Paraíba; *Sabellaria bella* was reported for the South in Paraná and Santa Catarina, and for the Southeast in São Paulo, Rio de Janeiro and Espírito Santo. In the Northeast the species is only known from Paraíba. *Sabellaria nanella* was reported for the Southeast in São Paulo, Rio de Janeiro and Espírito Santo; *Sabellaria pectinata* was reported for Paraíba, and *Sabellaria wilsoni* was reported for the South in Paraná, for the Southeast in the São Paulo, Rio de Janeiro and Espírito Santo, and for the Northeast in Bahia, Sergipe,

Alagoas, Pernambuco, Paraíba, and Rio Grande do Norte (Amaral *et al.*, 2012).

Sabellidae was represented by 10 species, among which *Anamobaea oerstedii* and *Notaulax rectangulata* are new records for South America, in the State of Paraíba, while the remaining species have been previously reported for Brazil (Nogueira *et al.*, 2006; COSTA-PAIVA and PAIVA, 2007; Amaral *et al.*, 2012). *Bispira melanostigma* has been reported for the Atol das Rocas, Rio Grande do Norte. *Branchiomma nigromaculatum* was reported for the Southeast in São Paulo, Rio de Janeiro and Espírito Santo, and for the Northeast in Bahia and Sergipe, while *Branchiomma luctuosum* was considered an invasive species for São Paulo and Rio de Janeiro. *Notaulax nudicollis* was reported for São Paulo, and *Notaulax occidentalis* was reported for Atol da Rocas, Rio Grande do Norte. *Pseudobranchiomma paraemersoni* is only known for São Paulo (Amaral *et al.*, 2012). All sabellid species represent first records for the State of Paraíba.

Family Serpulidae had five species in Paraíba, but only *Spirobis (Pileolaria) quasimilitaris* and *Vermiliopsis annulata* represent first records for South America and the State of Paraíba. The other species have already been reported for South and Southeastern Brazil (ZIBROWIUS, 1970; AMARAL *et al.*, 2012), but were unrecorded for the coast of Paraíba. *Ficopomatus uschakovi* and *Hydoides similoides* were reported for Brazil in the State of Paraíba (De Assis *et al.*, 2008, 2009); and *Pseudovermilia occidentalis* was reported for the South in Rio Grande do Sul, for the Southeast in São Paulo and Rio de Janeiro, and for the Northeast in Bahia and Pernambuco (AMARAL *et al.*, 2012). In this paper this species is reported for Paraíba.

New records for the Paraíba coastline, for the coast of the Brazilian Northeast and for the Atlantic coast of South America are indicated in Table 1. A few specimens were identified only at the generic level. Some of their localities represent new records for the genus for the State of Paraíba and are marked

Table 1. List of species of polychaetous annelids from Paraíba showing first records for the coast of the state of Paraíba (*) for the coast of the Brazilian Northeast (***) and for the Atlantic coast of South America (***).

| | |
|-------------------------------|---|
| PHYLLODOCIDAE | NEREIDIDAE |
| <i>Eulalia myriacyclum</i> ** | <i>Ceratonereis hircinicola</i> * |
| GLYCERIDAE | <i>Ceratonereis mirabilis</i> * |
| <i>Glycera americana</i> * | <i>Ceratonereis (Ceratonereis) singularis</i> * |
| <i>Glycera lapidum</i> ** | <i>Nereis lamellosa</i> *** |
| <i>Glycera oxycephala</i> ** | <i>Nereis riisei</i> * |
| HESIONIDAE | <i>Perineris ponteni</i> * |
| <i>Hesionia picta</i> ** | <i>Platynereis dumerilii</i> * |
| <i>Hesionia splendida</i> * | SYLLIDAE |
| <i>Podarke pugettensis</i> ** | <i>Autolytus</i> sp. * |

Table 1 - continued

PARALACYDONIIDAE*Paralacydonia paradoxa* ****APHRODITIDAE***Aphroditella alta* ***Pontogenia chrysocoma* ***POLYNOIDAE***Lepidonotus caeruleus* **Malmgreniella variegata* **Harmothoe aculeata* ***ACOETIDAE***Panthalis oerstedii* ****SIGALIONIDAE***Pelogenia arenosa* **Psammolyce catenulata* ***Sthenelanella uniformis* *****CHRYSOPETALIDAE***Chrysopetalum occidentale* ****AMPHINOMIDAE***Choleia pinnata* ****Eurythoe complanata* **Hermodice carunculata* ***ONUPHIDAE***Diopatra tridentata* ***Mooreonuphis intermedia* ***Mooreonuphis pallidula* ****EUNICIDAE***Eunice* sp. **Lysidice collaris* ****Marphysa escobarae* ****Marphysa sanguinea* **Marphysa posterobranchia* ****Marphysa regalis* **Marphysa longula* ****Palolo brasiliensis* **Palolo siciliensis* **Nematonereis unicornis* *****LUMBRINERIDAE***Lumbrinereis latreilli* ***DORVILLEIDAE***Dorvillea* sp. **Pettiboneia* sp. ***ORBINIIDAE***Naineris* sp. ***PARAONIDAE***Paradoneis* sp. ***SPIONIDAE***Dypolydora tetrabranchia* ****Microspio microcera* ****Polydora* sp. **Prionospio heterobranchia* ***Prionospio malmgreni* ***Scoelelepis (Scoelelepis) lighti***TROCHOCHAETIDAE***Diosoma* sp. ***POECILOCHAETIDAE***Poecilochaetus australis* ***CHAETOPTERIDAE***Chaetoptetus variopedatus* ***CIRRATULIDAE***Cirriformia punctata* **Timarete caribous* ***Timarete filigera* ***Timarete punctata* ***FLABELLIGERIDAE***Semiodera cariboum* *****OPHELIIDAE***Armandia intermedia* **Armandia maculata* **Polyophthalmus pictus* ***CAPITELLIDAE***Capitella capitata* **Dasybranchus caducus* ***MALDANIDAE***Axiothella brasiliensis* ***Clymenella zonalis* ****Euclymene coronata* ***Isocirrus corallicolus* ****Isocirrus papillatus* ****Microclymene* sp. **Micromaldane ornithochaeta* *

Table 1 - continued

| | |
|---|---|
| <i>Nicomache (Nicomache) brasiliensis</i> | <i>Phragmatopoma caudata</i> |
| <i>Nicomache (Nicomache) lanai</i> | SABELLIDAE |
| <i>Sonatsa</i> sp. * | <i>Anamobaea oerstedii</i> *** |
| OWENIIDAE | <i>Bispira</i> sp. * |
| <i>Owenia fusiformis</i> ** | <i>Bispira melanostigma</i> * |
| PECTINARIIDAE | <i>Branchiomma</i> sp. * |
| <i>Pectinaria regalis</i> ** | <i>Branchiomma nigromaculatum</i> * |
| TEREBELLIDAE | <i>Branchiomma luctuosum</i> ** |
| <i>Paraeupolyornia</i> sp. * | <i>Notaulax nudicollis</i> ** |
| <i>Pista</i> sp. * | <i>Notaulax rectangularata</i> *** |
| <i>Streblossoma longifilis</i> *** | <i>Notaulax occidentalis</i> * |
| <i>Loimia melusa</i> * | <i>Pseudobranchiomma paraemersoni</i> ** |
| SABELLARIIDAE | SERPULIDAE |
| <i>Sabellaria corallinea</i> | <i>Ficopomatus uschakovi</i> |
| <i>Sabellaria bella</i> | <i>Hydoides similoides</i> |
| <i>Sabellaria nanella</i> * | <i>Spirobis (Pileolaria) quasimilitares</i> *** |
| <i>Sabellaria pectinata</i> * | <i>Pseudovermilia occidentalis</i> * |
| <i>Sabellaria wilsoni</i> | <i>Vermiliopsis annulata</i> *** |

with asterisks.

The following species accounts include the species name of the 89 species recorded for Paraíba, a short synonymy, the general distribution of the species and the collecting localities accompanied by the catalogue number of the specimens examined.

Order PHYLLODOCIDA

Family PHYLLODOCIDAE Örsted, 1843

Eulalia myriacyclum (Schmarda, 1861)

Notophyllum myriacyclum Schmarda, 1861.

Myriocyclus schmardae Grube, 1880.

Eulalia quinquelineata Treadwell, 1901.

Distribution: Caribbean Sea, Gulf of Mexico and Panamá, Southwestern Brazil (FAUCHALD, 1977; EIBYE-JACOBSEN, 1992; SALAZAR-VALLEJO, 1995; AMARAL *et al.*, 2012).

Paraíba records: Barra de Camaratuba (6°36'S; 34°57'W), Mataraca - POLY-UFPB 1170, 1171, 1172; Ponta do Cabo Branco (07°08'S; 34°47'W), João Pessoa - POLY-UFPB 459, 460, 561, 562, 563, 464; Praia de Coqueirinho (7°19'S;

34°47'W) - POLY-UFPB 1173, 1175, and Tambaba (7°21'S; 34°47'W) - Conde - POLY-UFPB 1173, 1175, 1176, 1177.

Family GLYCERIDAE Grube, 1850

***Glycera americana* Leidy, 1855**

Glycera laevis Kinberg, 1866.

Glycera edentata Hansen, 1882.

Glycera cirrata Fauvel, 1932.

Distribution: Atlantic coasts of North and South America, Pacific Coast of South America; Brazil - Alagoas, Sergipe, Rio de Janeiro, São Paulo, Paraná and Rio Grande do Sul (BÖGGEMANN, 2002; DEAN, 2004; RIZZO *et al.*, 2007; AMARAL *et al.*, 2012).

Paraíba record: Projeto Algas, PB - (St. 44: 7°04'S; 34°41'W) - POLY-UFPB 819.

***Glycera lapidum* Quatrefages, 1866**

Glycera lapidum Quatrefages 1866.

Distribution: Circumtropical; temperate zones and sometimes in tropical seas, São Paulo, Brazil (BÖGGEMANN, 2002; KIRKEGAARD, 2001; RIZZO *et al.*, 2007; IMAJIMA, 2011; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 818.

***Glycera oxycephala* Ehlers 1887**

Glycera verdescens Chamberlin, 1919.

Distribution: Temperate zones and tropical Seas; Brazil (São Paulo and Paraná (BÖGGEMANN, 2002; DEAN, 2004; RIZZO *et al.*, 2007; IMAJIMA, 2011; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1561.

Family HESIONIDAE Grube, 1850

***Hesione picta* Müller, 1858**

Fallacia proctochona Schmarda, 1861.

Hesione praetexta Ehlers, 1887.

Hesione proctochona Schmarda, 1861.

Hesione margaritae Hansen, 1882.

Hesione vittigera Ehlers, 1887.

Distribution: Amphiatlantic - Florida, Gulf of Mexico, Brazil, Cabo Verde Islands (HANSEN, 1882; HARTMAN, 1951; NONATO and LUNA, 1970; FAUCHALD, 1977; AMARAL and NONATO, 1984; AMARAL et al., 2012).

Paraíba records: Rio Paraíba do Norte – Cabedelo (6°59'S; 34°50'W) - POLY-UFPB – 183-185; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 176-182, 226; Projeto Algas, PB (St. 89: 6°29'S; 34°54'W) - POLY-UFPB 239, 313-315.

Hesione splendida Lamarck, 1818

Hesione picta Müller, 1858.

Distribution: Florida, Gulf of Mexico, northeastern Brazil; Cape Verde Islands; coast to France to Senegal; Mediterranean Sea; Red Sea; Tropical Indo-West Pacific, Japan (HARTMAN, 1951; NONATO and LUNA, 1970; FAUCHALD, 1977; IMAJIMA, 2003; COSTA et al., 2008; AMARAL et al., 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W) - João Pessoa, PB - POLY-UFPB 545, 889, 956, 966, 967, 968.

Podarke pugettensis Johnson, 1901

Podarke pugettensis spinapandens Störch and Niggemann, 1967.

Distribution: West Coast of United States, California; Mexico, Peru and Brazil (Rio de Janeiro e São Paulo) (IMAJIMA and HARTMAN, 1964; MORGADO and AMARAL, 1984; RIZZO and AMARAL, 2000).

Paraíba records: Pier of Cabedelo (6°57'S; 34°50'W) Cabedelo, PB - POLY-UFPB 73; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 71; Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 72; Praia de Jacumã (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 1070.

Family NEREIDIDAE Johnston, 1865

Ceratonereis hircinicola (Eisig, 1870)

Nereis hircinicola Eisig, 1870.

Distribution: Circumtropical. In Brazil, Bahia and Paraíba. (RULLIER and AMOUREUX, 1979; SANTOS and LANA, 2003; AMARAL et al., 2012).

Paraíba record: Praia de Tambaú (07°06'S; 34°49'W), João Pessoa, PB - POLY-UFPB 311.

Ceratonereis mirabilis Kinberg, 1866

Ceratonereis tentaculata Kinberg, 1866.

Nereis Ceratonereis mirabilis Fauvel, 1963.

Distribution: Circumtropical. In Brazil: São Paulo, Rio de Janeiro, Bahia, Pernambuco and Rio Grande do Norte (HARTMAN, 1948; RULLIER and

AMOUREUX, 1979; SANTOS and LANA, 2003; IMAJIMA, 2011; AMARAL *et al.*, 2012).

Paraíba record: Praia do Bessa (St. 49: 07°01'S; 34°45'W), João Pessoa, PB - POLY-UFPB 830.

Ceratonereis (Ceratonereis) singularis (Treadwell, 1929)

Ceratonereis singularis Treadwell, 1929.

Distribution: Amphiamerican. Brazil (SANTOS and LANA, 2003; AMARAL *et al.*, 2012).

Paraíba record: Praia da Penha (7°10' S; 34°45' W), PB - POLY-UFPB 299, 306.

Nereis lamellosa Ehlers, 1864

Nereis lamellosa Ehlers, 1864.

Distribution: Adriatic Sea; Mediterranean Sea; European waters; Gulf of Mexico, North Atlantic Ocean (DAY, 1967a; BELLAN, 2001).

Paraíba records: Rio Mamanguape (6°47'S; 35°01'W), Rio Tinto, PB - POLY-UFPB 2; Mangue no Alto do Mateus (7°08'S; 34°53'W), João Pessoa, PB - POLY-UFPB 219.

Nereis riisei Grube, 1857

Heteronereis fasciata Schmarda, 1861.

Distribution: Amphiamerican. Along the entire coastline of Brazil (DEAN, 2001; SANTOS and LANA, 2003; SANTOS and STEINER, 2006; AMARAL *et al.*, 2012).

Paraíba records: Recifes do Seixas (7°9'S; 34°47'W), João Pessoa, PB – POLY-UFPB 218; Praia de Lucena (6°53'S; 34°51'W), PB - POLY-UFPB 291; Projeto Algas, PB (St. 17: 7°25'S; 34°43' W) POLY-UFPB 310.

Perinereis ponteni Kinberg, 1866

Perinereis ponteni Kinberg, 1866.

Distribution: Atlantic Ocean – Southeast and Northeast Brazil; Mexico (LANA, 1987; SANTOS and STEINER, 2006).

Paraíba records: Barra do Rio Guaju (6°31'S; 34°58'W), Mataraca, PB - POLY-UFPB 297, 302, 312.

Platynereis dumerilii (Audouin and Milne-Edwards, 1833)

Nereis dumerilii Audouin and Milne-Edwards, 1833.

Distribution: Circumtropical. Along the entire coastline of Brazil (SANTOS and STEINER, 2006; DEAN, 2001; IMAJIMA, 2011; AMARAL *et al.*, 2012).

Paraíba record: Projeto Algas, PB (St. 40: 7°07'S; 34°43'W) POLY-UFPB 294, 303, 305.

Family SYLLIDAE Grube, 1850

Autolytus* sp.

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa PB - POLY-UFPB 901.

Family PARALACYDONIIDAE Pettinone, 1963

Paralacydonia paradoxa Fauvel, 1923

Paralacydonia paradoxa Fauvel, 1923.

Distribution: Off California; Massachusetts to North Carolina; Southwestern Atlantic: Brazil (Paraná, Rio de Janeiro, and São Paulo); Mediterranean; Yellow Sea; South Africa (BLAKE, 1997a; RIZZO and AMARAL, 2007; IMAJIMA, 2011).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 905.

Family APHRODITIDAE Malmgren, 1867

Aphroditella alta (Kinberg, 1855)

Aphrodita alta Kinberg, 1855.

Distribution: Senegal, Mozambique, Antarctica, South and Southeast Brazil (DAY, 1967a; RULLIER and AMOUREUX, 1979; AMARAL *et al.*, 2012).

Paraíba records: Praia de Jacumã (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 25; Projeto Algas, PB (St. 88: 6°29'S; 34°51'W) - POLY-UFPB 26; (Est. 57: 6°55'S; 34°46'W) - POLY-UFPB 48; (St. 27: 7°15'S; 34°42'W) - POLY-UFPB 49.

Pontogenia chrysocoma Baird, 1865

Hermione chrysocoma Baird, 1865.

Distribution: Mediterranean Sea, West Coast of Africa, Madagascar, Zanzibar, Northeast and Southeast Brazil. (DAY, 1951, 1967; AMARAL and NONATO, 1982; AMARAL *et al.*, 2012).

Paraíba records: Projeto Algas, PB (St. 63: 6°50'S; 34°42'W) POLY-UFPB 15, 26; (6°52'S; 34°42'W) POLY-UFPB 27, 28; (St. 30: 7°15'S; 34°33'W) POLY-UFPB 29; (St. 14: 7°25'S; 34°37'W) POLY-UFPB 30; (St. 04: 7°34'S; 34°36'W) POLY-UFPB 31; (St. 01: 7°34'S; 34°45'W) POLY-UFPB 32.

Family POLYNOIDAE Malmgren, 1867

***Lepidonotus caeruleus* Kinberg, 1855**

Lepidonotus caeruleus Kinberg, 1855.

Distribution: Brasil (Alagoas, Rio de Janeiro, São Paulo) (HARTMAN, 1948; AMARAL and NONATO, 1982; AMARAL *et al.*, 2012).

Paraíba records: Projeto Algas, PB (St. 90: 6°29'S; 34°57'W) POLY-UFPB 50, 51; (St. 85: 6°33'S; 34°51'W) POLY-UFPB 52, 53; (St. 68: 6°46'S; 34°50'W) 54, 55; (St. 63: 6°50'S; 34°42'W) POLY-UFPB 56, 57; (St. 51: 6°58'S; 34°46'05"W) POLY-UFPB 58, 59, 60; (St. 43: 7°04'S; 34°44'W) POLY-UFPB 61, 62, 63; (St. 38: 7°37'S; 34°37'W) POLY-UFPB 64, 65; Recife de Picãozinho (7°07'S; 34°48'W) POLY-UFPB 66, 67; and Recife Quebra-Quilha (6°50'S; 34°42'W) POLY-UFPB 68, 69, Tambaú, João Pessoa, PB; Rio Mandacaru, Estuário do Rio Paraíba do Norte (6°59'S; 34°50'W), João Pessoa, Paraíba POLY-UFPB 70, 71.

***Malmgreniella variegata* (Treadwell, 1917)**

Hartmothoe variegata Treadwell, 1917.

Paralepidonotus boholensis var. *curacaoensis* Horst, 1922.

Malmgrenia curacaoensis Augener, 1953.

Harmothoe lunulata Millot, 1953.

Distribution: Northwest Atlantic Ocean: off Florida; Gulf of Mexico; Caribbean Sea; East Pacific Ocean; Gulf of Panamá; Brazil (Alagoas, Bahia, Rio de Janeiro, São Paulo) (HARTMAN, 1948; AMARAL and NONATO, 1982; PETTIBONE, 1993; SANTA-ISABEL *et al.*, 1996; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 778.

***Harmothoe aculeata* Andrews, 1891**

Paralepidonotus boholensis var. *curacaoensis* Horst, 1922.

Malmgrenia curacaoensis Augener, 1953.

Harmothoe lunulata Millot, 1953.

Distribution: Northwest Atlantic Ocean: off Florida; Gulf of Mexico; Caribbean Sea; Brazil (Alagoas, Bahia, Rio de Janeiro, São Paulo); East Pacific Ocean; Gulf of Panamá; (HARTMAN, 1948; AMARAL and NONATO, 1982; PETTIBONE, 1993; AMARAL *et al.*, 2012).

Paraíba records: Pier of Cabedelo (6°57'S; 34°50'W), Cabedelo, PB - POLY-UFPB 1500; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 50, 56.

Family ACOETIDAE Kinberg, 1856

Panthalis oerstedii Kinberg, 1855

Panthalis marenzelleri Pruvot and Racovitza, 1895.

Distribution: Atlantic Ocean, South and Southeast Brazil, Mediterranean and Red Seas (HARTMAN, 1948; AMARAL and NONATO, 1984; NÚÑEZ *et al.*, 1999; AMARAL *et al.*, 2012).

Paraíba record: Praia do Bessa (7°01'S; 34°47'W), João Pessoa, PB - POLY-UFPB 780.

Family SIGALIONIDAE Malmgren, 1867

Pelogenia arenosa (Delle Chiaje, 1830)

Psammolyce arenosa Delle Chiaje, 1830.

Psammolyce umbonifera Grube, 1877.

Psammolyce carpenteri McIntosh, 1876.

Sigalion arenosum Delle Chiaje, 1830.

Sigalion herminiae Audouin and Milne Edwards, 1832.

Distribution: Caribbean Sea and Gulf of Mexico; Pará, Alagoas and Rio de Janeiro - Brazil (AMARAL and NONATO, 1984; NÚÑEZ *et al.*, 1999; AMARAL *et al.*, 2012).

Paraíba records: Projeto Algas, PB (St. 89: 6°29'S; 34°54'W) POLY-UFPB 13, 14; (St. 85: 6°33'S; 34°51'W) POLY-UFPB 15, 16; (St. 60: 6°52'S; 34°46'W) POLY-UFPB 17, 18; (St. 54: 6°57'S; 34°38'W) POLY-UFPB 19, 21, 22; (St. 55: 6°55'S; 34°40'W) POLY-UFPB 23, 24, 33; (St. 56: 6°55'S; 34°43'W) POLY-UFPB 103; (St. 46: 7°04'S; 34°36'W) POLY-UFPB 104, 105; (St. 39: 7°07'S; 34°40'W) POLY-UFPB 106; (St. 37: 7°10'S; 34° 38'W) POLY-UFPB 1907.

Psammolyce catenulata Amaral and Nonato, 1984

Psammolyce catenulata Amaral and Nonato, 1984.

Distribution: Brazil, South coast - Paraná to Rio de Janeiro: Ilha Grande. (AMARAL and NONATO, 1984; LANA, 1991; AMARAL *et al.*, 2012).

Paraíba record: Projeto Algas, PB (St. 60: 6°52'S; 34°46'W) POLY-UFPB 20.

Sthenelanellella uniformis Moore, 1910

Sthenelanellella atypica Berkeley and Berkerley, 1941.

Distribution: From Central California to Ecuador (PETTIBONE, 1969; BLAKE, 1997b).

Paraíba records: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 96, 108, 109; Praia de Carapibus (7°16'S; 34°48'W), Conde,

PB - POLY-UFPB 286, 1083; Projeto Algas, PB (St. 88: 6°29'S; 34°51'W) POLY-UFPB 34, 35; (St. 63: 6°50'S; 34°42'W) POLY-UFPB 36, 37, 96.

Family CHRYSOPETALIDAE Ehlers, 1864

Chysopetalum occidentale Johnson, 1897

Distribution: Pacific Ocean (South of California to West of Mexico), Australia, North of Japan; Arctic Ocean and Atlantic Ocean: Rio de Janeiro and São Paulo, Southeast Brazil (AMARAL and NONATO, 1994; IMAJIMA, 2003; AMARAL *et al.*, 2012).

Paraíba records: Barra de Camaratuba (6°36'S; 34°57'W), Mataraca, PB - POLY-UFPB 1225; Praia do Bessa (6°59'S; 34°46'W), João Pessoa, PB - POLY-UFPB 803, 804; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 908.

Order AMPHINOMIDA

Family AMPHINOMIDAE Savigny in Lamarck, 1818

Choleia pinnata Moore, 1911

Choleia pinnata Moore, 1911.

Distribution: Southern California, in shelf and slope habitats to depths of 567m (MOORE, 1911; HARTMAN, 1940; KUDENOV, 1997).

Paraíba record: Projeto Algas, PB (St. 54: 6°57'S; 34°38'W), POLY-UFPB 1569.

Eurythoe complanata Pallas, 1766

Amphinome jamaicensis Schmarda, 1861.

Amphinome macrotricha Schmarda, 1861.

Aphrodita complanata Pallas, 1766.

Eurythoe alcyonaria Gravier, 1901.

Eurythoe pacifica Kinberg, 1857.

Lycaretus neocephalicus Kinberg, 1867).

Distribution: Circumtropical (FAUCHALD, 1977; RULLIER and AMOUREUX, 1979; SALAZER-VALLEJO, 1997; NÚÑEZ *et al.*, 1999; LIÑERO-ARANA and ÓSCAR-DÍAZ, 2010; IMAJIMA, 2011; AMARAL *et al.*, 2012).

Paraíba records: Barra de Camaratuba (6°36'S; 34°57'W), Mataraca, PB - POLY-UFPB 1185; Rio Mamanguape (6°47'S; 34°58'W), Rio Tinto, PB - POLY-UFPB 1; Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1520.

Hermodice carunculata Pallas, 1766

Aphrodita carunculata Pallas, 1766.

Amphinome sanguinea Schmarda, 1861.

Amphibranchus occidentalis Kinberg, 1867.

Amphinome smaragdina Schmarda, 1861.

Distribution: Transatlantic and Mediterranean seas; in tropical and sub-tropical waters (HARTMAN, 1951; FAUCHALD, 1977; SALAZAR-VALLEJO, 1997; NÚÑEZ *et al.*, 1999; LIÑERO-ARANA and ÓSCAR-DÍAZ, 2010; YÁÑEZ-RIVERA and SALAZAR-VALLEJO, 2011; AMARAL *et al.*, 2012).

Paraíba records: Recife de Picãozinho (7°07'S; 34°48'W), Tambaú, PB - POLY-UFPB 282; Ponta do Cabo Branco (07°09'S; 34°47'W) João Pessoa, PB - POLY-UFPB 280; Praias de Tambaba (7°21'S; 34°47'W) Conde, PB - POLY-UFPB 281; Projeto Algas, PB (St. 32: 7°12'S x 34°39'W) POLY-UFPB 283, 283.

Order EUNICIDA

Family ONUPHIDAE Kinberg, 1865

Diopatra tridentata Hartman, 1944

Distribution: Oriental Pacific Ocean from California to Colombia, Caribbean Sea, Brazil (FAUCHALD, 1968; HARTMAN, 1968; NONATO and LUNA, 1970; AMARAL *et al.*, 2012).

Paraíba record: Praia do Poço (6°59'S; 34°49'W), Cabedelo, PB - POLY-UFPB 228.

Mooreonuphis intermedia Kinberg, 1865

Onuphis (Nothria) intermedia Kinberg, 1865.

Onuphis intermedia Kinberg, 1865.

Distribution: Oriental Pacific Ocean: from California to Colombia, Caribbean Sea, and South of Brazil (FAUCHALD, 1968; HARTMAN, 1968; NONATO and LUNA, 1970; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1093.

Mooreonuphis pallidula (Hartman, 1965)

Nothria pallidula Hartman, 1965.

Distribution: Gulf of Mexico and South of Brazil (FAUCHALD, 1982; AMARAL *et al.*, 2012).

Paraíba record: Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1363.

Family EUNICIDAE Berthold, 1827

*Eunice** sp.

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 897, 909.

Lysidice collaris Grube, 1870

Lysidice robusta Stimpson, 1856.

Lysidice lunae Kinberg, 1865.

Lysidice pectinifera Kinberg, 1865.

Lysidice fallax Ehlers, 1898.

Lysidice sulcata Treadwell, 1901.

Lysidice fusca Treadwell, 1922.

Lysidice parva Treadwell, 1922.

Distribution: Japan, Gambier Islands, New Caledonia, Philippine Islands, Australia, Gulf of Siam, Indian Ocean, Persian Gulf and Red Sea; tropical Indo-Pacific, also in Australia (FAUVEL, 1953; DAY, 1967a).

Paraíba records: Recife de Areia Vermelha (7°00'S; 34°48'W) Cabedelo, PB POLY-UFPB 1562; Recife do Seixas (7°9'S; 34°47'W) João Pessoa, PB - POLY-UFPB 1578.

Marphysa escobarae Carrera-Parra and Salazar-Vallejo, 1998.

Marphysa escobarae Carrera-Parra and Salazar-Vallejo, 1998.

Distribution: Yucatan Peninsula, Mexico (CARRERA-PARRA and SALAZAR-VALLEJO, 1998).

Paraíba record: Areia Vermelha (7°00'S; 34°48'W), Cabedelo, PB - POLY-UFPB 1560.

Marphysa sanguinea (Montagu, 1815)

Marphysa californica Moore, 1909.

Distribution: Cosmopolitan in hot waters (HARTMAN, 1944; MORGADO and AMARAL, 1981; AMARAL *et al.*, 2012).

Paraíba record: Tambaba (7°21'S; 34°47'W), Conde, PB - POLY-UFPB 1344.

Marphysa posterobranchia Day, 1962

Marphysa posterobranchia Day, 1962.

Distribution: Indian Ocean and South Africa (DAY, 1962, 1967a).

Paraíba record: Recife do Seixas (7°9'S; 34°47'W) João Pessoa, PB - POLY-UFPB 1575.

Marphysa regalis Verrill, 1900

Marphysa fragilis Treadwell, 1911.

Distribution: Caribbean Sea, Colombia and Gulf of Mexico; Alagoas, Pernambuco, and Bahia - Brazil (TREADWELL, 1911; AMARAL *et al.*, 2012).

Paraíba record: Pier de Cabedelo (6°57'S; 34°50'W), Cabedelo, PB - POLY-UFPB 1563.

Marphysa longula (Ehlers, 1887)

Paramarphysa longula Ehlers, 1887.

Marphysa longula Salazar-Vallejo and Carrera-Parra, 1998.

Distribution: Amphiatlantic. Known from the Canary Islands, Cabo Verde Islands, Senegal, Gulf of Guinea, Cuba, Bermuda and Florida. In Mexico this species is known from Veracruz, Yucatan and Quintana Roo in the Atlantic (SALAZAR-VALLEJO and CARRERA-PARRA, 1998; LEÓN-GONZÁLEZ and CASTAÑEDA, 2006).

Paraíba record: Pier of Cabedelo (6°57'S; 34°50'W), Cabedelo, PB - POLY-UFPB 1564.

Palolo brasiliensis Zanol, Paiva and Antollini, 2000

Palola brasiliensis Zanol, Paiva and Antollini, 2000.

Distribution: Southern Bahia, Brazil (ZANOL *et al.*, 2000; AMARAL *et al.*, 2012).

Paraíba record: Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1579.

Palolo siciliensis (Grube, 1840)

Eunice siciliensis Grube, 1840.

Palola siciliensis (Grube, 1840).

Eunice adriatica Schamarda, 1861.

Eunice taenia Claparède, 1864.

Distribution: In tropical waters around the world. In Mexico this species is known from Baja California Sur, Sonora, Nayarit and Oaxaca in the Pacific, and Veracruz and Quintana Roo in the Atlantic (FAUCHALD, 1992; LEÓN-GONZÁLEZ and CASTAÑEDA, 2006; IMAJIMA, 2011; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 976.

Nematoneis unicornis Schmarda, 1861

Nematoneis unicornis Schmarda, 1861.

Distribution: In tropical and temperate waters. In Mexico this species is known from the peninsula of Baja California and Sonora in the Pacific, and Quintana Roo in the Atlantic (SALAZAR-VALLEJO and CARRERA-PARRA, 1998; LEÓN-

GONZÁLEZ and CASTAÑEDA, 2006; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 977.

Family LUMBRINERIDAE Malmgren, 1867

Lumbrineris latreilli Audouin and Milne-Edwards, 1834

Lumbriconeris latreilli Audouin and Milne-Edwards, 1834.

Lumbriconeris latreilli Fauvel, 1923.

Distribution: Atlantic, Pacific and Indian Oceans, Mediterranean Sea, Sea of Japan; Brazil, along the whole coastline of Brazil (CAMARGO and LANA, 1995; NUÑEZ *et al.*, 1999; CARRERA-PARRA, 2001; IMAJIMA, 2001; 2011; AMARAL *et al.*, 2012).

Paraíba record: Praia do Bessa (07°04'S; 34°49'W), João Pessoa, PB - POLY-UFPB 455.

Family DORVILLEIDAE Chamberlin, 1919

Dorvillea* sp.

Paraíba record: Projeto Algas, PB (St. 41: 7°07'S; 34°46'W) POLY-UFPB 955.

Pettiboneia* sp.

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 952.

Order ORBINIIDA

Family OBINIIDAE Cerruti, 1909

Naineris* sp.

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 485, 486.

Family PARAONIDAE Cerruti, 1909

Paradoneis* sp.

Paraíba record: Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1580.

Order SPIONIDA
Family SPIONIDAE Grube, 1850

Dypolydora tetrabanchia (Hartman, 1945)

Distribution: Atlantic Ocean: North Carolina (HARTMAN, 1945; BLAKE, 1997c).

Paraíba record: Praia de Carapibus (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 1482, 1485, 1486.

Microspio microcera Dorsey, 1977

Rhynchospio microcera Dorsey, 1977.

Distribution: Southern California, North Carolina (BLAKE and KUDENOV, 1978; MACIOLEK, 1990; BLAKE, 1997c).

Paraíba record: Praia de Carapibus (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 1481, 1483.

Polydora* sp.

Paraíba record: Praia de Carapibus (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 1485.

Prionospio heterobanchia Moore, 1907

Prionospio spongicola Wesenberg-Lund, 1958.

Distribution: North Atlantic Ocean, Caribbean Sea and Gulf of Mexico, Southern Brazil (MOORE, 1907; AMARAL *et al.*, 2012).

Paraíba record: Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1487, 1484.

Prionospio malmgreni Claparède, 1869

Prionospio capensis McIntosh, 1885.

Prionospio bocki Söderström, 1920.

Distribution: Atlantic from North Carolina, and North Sea to Madeira; Mediterranean; California, Japan, Cape; Brazil, São Paulo (IMAJIMA and HARTMAN, 1964; DAY, 1967b; BELLAN, 2001; AMARAL *et al.*, 2012).

Paraíba record: Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1315.

Scolecopsis (Scolecopsis) lighti Delgado-Blas, 2006

Lumbricus squamata Müller, 1806.

Distribution: Gulf of Mexico (Tamaulipas, Tabasco, Quintana Roo) to Brazil, State of Paraíba (SANTOS *et al.*, 2009).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa,

PB - POLY-UFPB 927, 928, 929, 930.

Family TROCHOCHAETIDAE Pettibone, 1963

Diosoma sp.

Paraíba record: Ponta de Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 817.

Family POECILOCHAETIDAE Hannerz, 1956

Poecilochaetus australis Nonato, 1963

Poecilochaetus australis Nonato, 1963.

Distribution: In Brazil: Paraná, São Paulo, Rio de Janeiro, Sergipe (NONATO, 1963; SANTOS and MACKIE, 2008; AMARAL *et al.*, 2012).

Paraíba record: Off Coast Pitimbu (07°28'S; 34°47'W), Pitimbu, PB - POLY-UFPB 1574.

Order CHAETOPTERIDA

Family CHAETOPTERIDAE Audouin and Milne-Edwards, 1833

Chaetopterus variopedatus (Renier, 1804)

Chaetopterus pergamentaceus Cuvier, 1827.

Distribution: Cosmopolitan (HARTMANN-SCHRÖDER, 1971; FAUCHALD, 1977; HUTCHINGS and RAINER, 1979; BRANCH, 1994; NÚÑEZ *et al.*, 1999).

Paraíba record: Rio Mandacaru, Estuário do Rio Paraíba do Norte (6°59'S; 34°50'W), João Pessoa, PB POLY-UFPB 191.

Order CIRRATULIDA

Family CIRRATULIDAE Carus, 1863

Cirriformia punctata (Grube, 1859)

Cirratulus punctatus Grube, 1859.

Cirratulus nigromaculata Treadwell, 1901.

Audouina punctata, Day, 1951.

Distribution: Circuntropical (DAY, 1967b; AMARAL *et al.*, 2012).

Paraíba records: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 120, 122, 123, 124, 127, 1544, 1545.

Timarete caribous (Grube, 1859)

Cirrhatula caribous Grube, 1859.

Distribution: Caribbean Islands; Bermudas; Southeast Brazil, Great Barrier Reefs- Lizard Islands (KIRKERGAARD, 1981; PETERSEN, 1999).

Paraíba record: Off coast João Pessoa, Naufrágio Alvarenga, (7°02'S; 34°44'W), PB - POLY-UFPB 216, 289.

Timarete filigera (Delle Chiaje, 1825)

Cirriiformia filigera (Delle Chiaje, 1825);

Lumbricus feligerus (Delle Chiaje, 1825).

Audouinia filioe (Fauvel, 1927).

Distribution: Caribbean Islands; Bermudas; Northeast and Southeast Brazil, Great Barrier Reefs - Lizard Islands (DAY, 1967b; PETERSEN, 1999).

Paraíba records: Barra de Camaratuba (6°36'S; 34°57'W), Mataraca, PB - POLY-UFPB 1086; Bahia da Traição (6°41'S; 34°55'W), Rio Tinto, PB - POLY-UFPB 1085, 1377; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB – POLY-UFPB 128; Praia de Jacumã and Carapibus (7°16'S; 34°48'W) POLY-UFPB 1193, 1380; and Praia de Coqueirinho (7°19'S; 34°47'W), Conde, PB POLY-UFPB 1536; Pedra da Galé (07°28'S; 34°47'W), Pitimbu, PB POLY-UFPB 1382.

Timarete punctata Grube, 1858

Cirrhatulus punctata Grube, 1859.

Cirrhatulus nigromaculatus Grube, 1869.

Cirratulus punctatus; Augener, 1918.

Audouinia punctata Day, 1949; Tebble, 1955.

Cirriiformia punctata Hartman, 1956.

Timarete punctata Petersen, 1999.

Distribution: Caribbean Islands; Virgin Islands and Bermudas; Northeast and Southeast Brazil, Great Barrier Reefs - Lizard Islands; Indian Ocean (PETERSEN, 1999; ÇINAR, 2007).

Paraíba records: Barra de Camaratuba (6°36'S; 34°57'W), Mataraca, PB - POLY-UFPB 1086; Bahia da Traição (6°41'S; 34°55'W), Rio Tinto, PB - POLY-UFPB 1380; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 187; Praia de Jacumã, and Carapibus (7°16'S; 34°48'W) POLY-UFPB 1193, 987; and Praia de Coqueirinho (7°19'S; 34°47'W), Conde, PB POLY-UFPB 1087.

Order FLABELLIGERIDA
Family FLABELLIGERIDAE Saint-Joseph, 1894

Semiodera cariboum (Grube, 1856)

Distribution: Gran Caribe; Gulf of Mexico and Puerto Rico (TREADWELL, 1928; HARTMAN, 1956; SALAZAR-VALLEJO and LONDOÑO-MESA, 2004; SALAZAR-VALLEJO, 2009).

Paraíba record: Pedra de Galé (07°28'S; 34°47'W), Pitimbu, PB - POLY-UFPB 1576.

Order OPHELLIDA
Family OPHELIIDAE Malmgren, 1867

Armandia intermedia Fauvel, 1902

Armandia intermedia Fauvel, 1902.

Distribution: Circumtropical (NÚÑEZ *et al.*, 1999; AMARAL *et al.*, 2012).

Paraíba records: Projeto Algas, PB (St. 65: 6°50'S; 34°47'W) POLY-UFPB 457; (St. 43: 7°04'S; 34°44'W) POLY-UFPB 784; (St. 40: 7°07'S; 34°43'W) POLY-UFPB 785; (St. 37: 7°10'S; 34°38'W) POLY-UFPB 786, 787.

Armandia maculata (Webster, 1884)

Ammotrypane bermudiensis Treadwell, 1936.

Ophelina maculata Webster, 1884.

Distribution: Gran Caribe, Northeast, Southeast and South Brazil (HARTMAN, 1956; RULLIER and AMOUREUX, 1979; AMARAL *et al.*, 2012).

Paraíba record: Praia do Bessa (7°6'S; 34°46'W), João Pessoa, PB - POLY-UFPB 1577.

Polyophthalmus pictus (Dujardin, 1839)

Nais picta Dujardin, 1839.

Distribution: Cosmopolitan in temperate and tropical seas; Bahia and Rio Grande do Norte – Brazil (HUTCHINGS and RAINER, 1979; IMAJIMA and HARTMAN, 1964; NÚÑEZ *et al.*, 1999; PASCUAL *et al.*, 2001; AMARAL *et al.*, 2012).

Paraíba records: Off coast João Pessoa, Naufrágio Alvarenga (7°02'S; 34°44'W), PB – POLY-UFPB 288; Projeto Algas, PB (St. 41: 7°07'S; 34°46'W) POLY-UFPB 456; (St. 42: 7°07'S; 34°47'W) POLY-UFPB 793; (St. 91: 6°26'S; 34°58'W) POLY-UFPB 794, 802).

Order CAPITELLIDA
Family CAPITELLIDAE Grube, 1862

Capitella capitata (Fabricius, 1780)

Capitella capitata capitata (Warren, 1976).

Distribution: Cosmopolitan (FAUVEL, 1927; HARTMAN, 1947; BERKELEY and BERKELEY, 1952; BLAKE, 1997d; AMARAL *et al.*, 2012)

Paraíba records: Pier de Cabedelo (6°57'S; 34°50'W), Cabedelo, PB - POLY-UFPB 883 Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 890; Praia de Carapibus (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 1084; Pedra da Galé (07°28'S; 34°47'W), Pitimbu, PB - POLY-UFPB 1570.

Dasybranchus caducus (Grube, 1846)

Dasybranchus caducus lumbricoides Grube, 1846.

Capitella capitata capitata Warren, 1976.

Distribution: Cosmopolitan (FAUVEL, 1927; HARTMAN, 1947; BERKELEY and BERKELEY, 1952; DAY, 1967b; AMARAL *et al.*, 2012).

Paraíba record: Projeto Algas, PB (St. 18C 7°18'S; 34°36'W) POLY-UFPB 880.

Family MALDANIDAE Malmgren, 1867

Axiothella brasiliensis (Mangum, 1966)

Clymenella brasiliensis Mangum, 1966.

Distribution: Ubatuba, and São Sebastião - São Paulo, Bahia do Flamengo and Parati - Rio de Janeiro; Paranaguá - Paraná (MANGUM, 1966; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 254, 1372.

Clymenella zonalis (Verrill, 1874)

Praxilla zonalis Verrill, 1874.

Praxilla elongata Webster, 1879.

Clymene producta Lewis, 1897.

Euclymene (Macroclymene) producta, Lewis, 1897.

Euclymene (Euclymene) zonalis Verrill, 1900.

Macroclymene elongata Webster, 1978.

Distribution: From Maine to North Carolina - USA, North West Atlantic; (HARTMAN, 1951; MANGUM, 1962).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 237.

Euclymene coronata Verrill, 1900

Euclymene coronata Verrill, 1900.

Distribution: Atlantic Ocean – Bermudas to Northwest Caribbean; São Paulo - Brazil (JIMÉNEZ-CUETO and SALAZAR-VALLEJO, 1997; SALAZAR-VALLEJO and DÍAZ-DÍAZ, 2009; AMARAL *et al.*, 2012).

Paraíba record: Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1400.

Isocirrus corallicolus (Treadwell, 1929)

Maldanella corallicola Treadwell, 1929.

Euclymene corallicola Hartman, 1956.

Distribution: Caribbean Sea, Florida and Northwest Caribbean (JIMÉNEZ-CUETO and SALAZAR-VALLEJO, 1997; SALAZAR-VALLEJO and DÍAZ-DÍAZ, 2009).

Paraíba record: Praia do Bessa (7°05'S; 34°44'W), João Pessoa, PB - 236.

Isocirrus papillatus (Berkeley and Berkeley, 1939)

Clymene (Euclymene) papillata Berkeley and Berkeley, 1939.

Euclymene papillata isocirra Rioja, 1963.

Euclymene papillata Kudenov, 1973.

Distribution: Florida , and Caribbean Sea (SALAZER-VALLEJO, 1991; JIMÉNEZ-CUETO and SALAZAR-VALLEJO, 1997; SALAZAR-VALLEJO and DÍAZ-DÍAZ, 2009).

Paraíba records: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 248; Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 252; Projeto Algas, PB (St. 58: 6°55'S; 34°48'W) POLY-UFPB 247.

Microclymene* sp.

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1559.

Micromaldane ornithochaeta Mesnil, 1897

Distribution: From Temperate Atlantic to Tropical, Temperate and Antarctic Pacific (RIOJA, 1925; FAUVEL, 1928; ROUSE, 1990; JIMÉNEZ-CUETO and SALAZAR-VALLEJO, 1997; PASCUAL *et al.*, 2001).

Paraíba record: Praia do Bessa (7°03'S; 34°43'W), João Pessoa, PB - POLY-UFPB 888.

Nicomache (Nicomache) brasiliensis De Assis, Samiguel and Christoffersen, 2007

Distribution: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB -

POLY-UFPB 111, 112 (DE ASSIS, ALONSO and CHRISTOFFERSEN, 2007a).

Nicomache (Nicomache) lanai De Assis, Samiguel and Christoffersen, 2007

Distribution: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 238, 255, 256 (DE ASSIS, ALONSO and CHRISTOFFERSEN, 2007a).

Sonatsa* sp.

Paraíba records: Projeto Algas, PB (St. 77: 6°39'S; 34°49'W) POLY-UFPB 1751, Praia do Bessa (7°3'S; 34°43'W), Joao Pessoa, PB - POLY-UFPB 1752.

Order OWENIIDA
Family OWENIIDAE Rioja, 1917

Owenia fusiformis Delle Chiaje, 1841

Owenia fusiformis Delle Chiaje, 1841.

Distribution: Cosmopolitan (HARTMANN-SCHRÖDER, 1971; HUTCHINGS and RAINER, 1979; MARTÍN, 1989; AMARAL *et al.*, 2012).

Paraíba records: Porto de Cabedelo, Rio Paraíba do Norte (6°58'S; 34°50'W), Cabedelo, PB - POLY-UFPB 887; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 954.

Order TERESELLIDA
Family PECTINARIIDAE Quatrefages, 1866

Pectinaria regalis (Verrill, 1901)

Pectinaria gouldii Treadwell, 1901.

Cistenides regalis Hartman, 1942.

Distribution: Bermuda, Puerto Rico, Virgin Islands, Barbados, Bonaire, Florida Keys and Georgia; Bahia and Rio de Janeiro, Brazil (LONG, 1973; HUTCHINGS and PEART, 2002; AMARAL *et al.*, 2012).

Paraíba record: Projeto Algas, PB (Est.77: 6°39'S; 34°49'W) POLY-UFPB 458.

Family TERESELLIDAE

Paraeupolymnia* sp.

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 143, 144.

Pista* sp.

Paraíba record: Pedra da Galé (07°28'S; 34°47'W), Pitimbú, PB - POLY-UFPB 1216.

Streblosoma longifilias Rioja, 1962

Streblosoma longifilias Rioja, 1962.

Distribution: Pacific Ocean, Mexico (RIOJA, 1962).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 906.

Loimia melusa (Savigny in Lamarck, 1818)

Terebella melusa (Savigny in Lamarck, 1818).

Distribution: English Channel; Tropical Indian Ocean; South Africa; Red Sea; Pacific, Japan and California; North Carolina, USA; West Indies; Southwest Atlantic, North and Northeastern Brazil (DAY, 1967b; SANTA-ISABEL *et al.*, 1996; AMARAL *et al.*, 2012).

Paraíba record: Recife de Picãozinho (7°07'S; 34°48'W), Tambaú, PB - POLY-UFPB 362.

Family SABELLARIIDAE Johnston, 1865

Sabellaria corallinea Santos *et al.*, 2010

Sabellaria corallinea Santos *et al.*, 2010.

Distribution: Coast of Paraíba State, Brazil (SANTOS *et al.*, 2010).

Paraíba record: Praia do Bessa (7°01'S34°47'W), Off João Pessoa, PB - POLY-UFPB 634, 635, 636.

Sabellaria bella Grube, 1870

Sabellaria (Sabellaria) bella Grube, 1870.

Sabellaria floridensis Hartman, 1944.

Distribution: In all Brazilian coast. PB - POLY-UFPB 1022, 1023, 1024 (SANTOS *et al.*, 2010).

Sabellaria nanella Chamberlin, 1919

Sabellaria nanella Chamberlin, 1919.

Distribution: Atlantic and Pacific coasts (HARTMAN, 1944; RULLIER and AMOUREAUX, 1979; LANA and GRUET, 1989; KIRTLEY, 1994; LANA and BREMEC, 1994); Brazil, in Paraíba (SANTOS *et al.*, 2010).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1025, 1026.

Sabellaria pectinata Fauvel, 1928

Sabellaria pectinata var. *intermediata* Fauvel, 1932.

Distribution: Indian Ocean; South Africa, Natal (FAUVEL, 1928; DAY, 1967); Brazil, in Paraíba (SANTOS *et al.*, 2010).

Paraíba record: Praia do Bessa (7°3'S; 34°43'W), Joao Pessoa, PB - POLY-UFPB 1020, 1021.

Sabellaria wilsoni Lana and Gruet, 1989

Sabellaria wilsoni Lana and Gruet, 1989.

Distribution: South Atlantic coast. Ilha do Mel, Paraná (LANA and GRUET, 1989; KIRTLEY, 1994; LANA and BREMEC, 1994); Paraíba (SANTOS *et al.*, 2010).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1415, 1424; Praia do Bessa (7°3'S; 34°43'W), Joao Pessoa, PB - POLY-UFPB 1027, 1028; Baía da Traição (6°41'S; 34°55'W), Rio Tinto, PB - POLY-UFPB 1311.

Phragmatopoma caudata Mörch, 1863

Serpula caudata Mörch, 1863.

Hermella caudata Quatrefages, 1866.

Sabellaria (Pallasia) castelnuai Quatrefages 1866.

Phragmatopoma lapidosa Kinberg, 1867.

Centrocorone spinifera Treadwell, 1939.

Phragmatopoma attenuata Hartman, 1944.

Phragmatopoma californica Marsden, 1960.

Phragmatopoma lapidosa lapidosa Pawlik, 1988.

Phragmatopoma caudata Kirtley, 1994.

Distribution: South Atlantic coast (HARTMAN, 1944; AMARAL, 1987; LANA and BREMEC, 1994; KIRTLEY, 1994).

Paraíba record: Praia do Bessa, João Pessoa, PB - POLY-UFPB 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019).

Order SABELLIDA

Family SABELLIDAE Malmgren, 1987

Anamobaea orsterdi Kroyer, 1856

Hypsicomus oerstedii (Kroyer, 1856).

Distribution: Caribbean Sea and Gulf of Mexico (SAN MARTIN *et al.*, 1994; TOVAR-HERNÁNDEZ and SALAZER-VALLEJO, 2006).

Paraíba record: Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1091.

Bispira* sp.

Paraíba record: Praia de Carapibus (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 1088.

Bispira melanostigma (Schmard, 1861)

Sabella variegata Kroyer, 1856.

Sabella thoracica Kroyer, 1856.

Sabella melanostigma Schmarda, 1861.

Sabella bipunctata Baird, 1865.

Distribution: Caribbean and Gulf of Mexico, extending northward as far as North Carolina and Bermuda; Rio Grande do Norte, Brazil (KNIGHT-JONES and PERKINS, 1998; COSTA-PAIVA and PAIVA, 2007; AMARAL *et al.*, 2012).

Paraíba record: Pedra da Galé (07°28'S; 34°47'W), Pitimbú, PB - POLY-UFPB 1453.

Branchiomma* sp.

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 902, 961.

Branchiomma nigromaculatum Baird, 1865

Sabella crispa Kroyer, 1856.

Sabella nigromaculata Baird, 1865.

Dasychone nigromaculata McIntosh, 1885.

Dasychone ponce Treadwell, 1901.

Distribution: Bahamas, Vera Cruz, Caribbean Sea, Cuba, Jamaica, Curaçao, Colombia, Venezuela, Cabo Verde Islands, South Africa and Hawaii; South, Northeast and Southeast Brazil (SAN MARTIN *et al.*, 1994; NOGUEIRA *et al.*, 2006; TOVAR-HERNÁNDEZ and KNIGHT-JONES, 2006; TOVAR-HERNÁNDEZ and SALAZAR-VALLEJO, 2006; AMARAL *et al.*, 2012).

Paraíba record: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 188, 192, 230.

Branchiomma luctuosum Grube, 1870

Sabella (Dasychone) luctuosum Grube 1870.

Branchiomma luctuosum Grube, 1870.

Distribution: European waters, Mediterranean Sea, Southern Italy, Ionian Sea; São Paulo and Rio de Janeiro, Brazil (KNIGHT-JONES *et al.*, 1991; NOGUEIRA *et al.*, 2006; COSTA-PAIVA and PAIVA, 2007; LICCIANO and GIANGRANDE, 2008; AMARAL *et al.*, 2012).

Paraíba record: Pedra da Galé (07°28'S; 34°47'W), Pitimbú, PB - POLY-UFPB 1181.

Notaulax nudicollis (Kroyer, 1856)

Sabella nudicollis Kroyer, 1856.

Sabella brevicollaris Grube, 1858.

Sabella torquata Grube, 1877.

Protulides elegans Webster, 1884.

Hypsicomus torquatus Augener, 1918.

Hypsicomus elegans Hartman, 1951.

Hypsicomus phaeotaenia Day, 1973.

Distribution: West Africa, the western Atlantic region from North Carolina and the Gulf of Mexico to Brazil (São Paulo), and the Tropical eastern Pacific region (PERKINS, 1984; SAN MARTIN *et al.*, 1994; TOVAR-HERNÁNDEZ and SALAZER-VALLEJO, 2006; AMARAL *et al.*, 2012).

Paraíba records: Off coast João Pessoa, Naufrágio Alvarenga (7°02'S; 34°44'W), PB - POLY-UFPB 975; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1530; Barra de Mamanguape (6°46'S; 34°55'W), Rio Tinto, PB - POLY-UFPB 1196; Praia de Carapibús (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 975.

Notaulax rectangulata Levinsen, 1883

Hypsicomus rectangulatus Johansson, 1927.

Distribution: Denmark (PERKINS, 1984).

Paraíba record: Praia de Carapibús (7°16'S; 34°48'W), Conde, PB - POLY-UFPB 1089.

Notulax occidentalis (Baird, 1865)

Sabella occidentalis Baird, 1865.

Sabella alba Treadwell, 1917.

Hypsicomus purpureus Treadwell, 1924.

Hypsicomus circumspiciens Johansson, 1927.

Hypsicomus torquatus Hartman, 1956.

Hypsicomus elegans Marsden, 1960.

Hypsicomus phaeoethaenia Fauchald, 1977.

Distribution: North Carolina; Bahamas Islands; Florida; St. Vicent; Antigua, Panama (Atlantic), Belize, Puerto Rico, and Rio Grande do Norte, Brazil (PERKINS, 1984; TOVAR-HERNÁNDEZ and SALAZER-VALLEJO, 2006; PAIVA *et al.*, 2007; AMARAL *et al.*, 2012).

Paraíba record: Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB 1090.

Pseudobranchioma paraemersoni Nogueira, Rossi and López, 2006

Distribution: Ubatuba and São Sebastião, São Paulo (NOGUEIRA *et al.*, 2006).

Paraíba records: Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa,

PB - POLY-UFPB 902; Recife do Seixas (7°9'S; 34°47'W), João Pessoa, PB - POLY-UFPB , 1459.

Family SERPULIDAE Johnston, 1865

Ficopomatus uschakovi (Pillai, 1960)

Mercierella enigmatica Fauvel, 1931.

Neopomatus uschakovi, Pillai, 1960.

Neopomatus similis, Pillai, 1960.

Ficopomatus enigmaticus, Straughan, 1967.

Distribution: From East of Africa to Ivory Coast and Nigeria; South of Africa, Southeast of India; Sri Lanka; Malaysia; Indonesia; Philippines; Salomon Islands; Guadalcanal Islands; Oriental Australia; Pacific Coast, United States and Paraíba Brazil (TEN HOVE and WEERDENBURG, 1978; DE ASSIS *et al.*, 2008).

Paraíba record: João Pessoa, (7°08'S; 34°53'W) POLY-UFPB 220, 223, 227.

Hydroides simioides Bastida-Zavala and Ten Hove, 2002

Hydroides cf brachyacanthus Stock, 1995.

Distribution: Gulf of Mexico and Caribbean Sea. Brazil, Recife Pernambuco (BASTIDA-ZAVALA and TEN HOVE, 2002; DE ASSIS *et al.*, 2009).

Paraíba record: Picãozinho (7°07'S; 34°48'W), Tambaú - POLY-UFPB 175.

Spirobis (Pileolaria) quasimilitaris Bailey, 1970

Spirobis (Pileolaria) quasimilitaris Bailey, 1970.

Distribution: Caribbean Sea (BAILEY, 1970).

Paraíba record: Praia de Coqueirinho (7°19'S; 34°47'W), Conde, PB - POLY-UFPB 1180.

Pseudovermilia occidentalis MacIntosh, 1885

Spirobranchus occidentalis McIntosh, 1885.

Distribution: Circumtropical (ZIBROWIUS, 1970; BASTIDA-ZAVALA and SALAZAR-VALLEJO, 2000; AMARAL *et al.*, 2012).

Paraíba records: Recife Quebra-Quilha (6°50'S; 34°42'W), João Pessoa, PB - POLY-UFPB 221; Ponta do Cabo Branco (07°09'S; 34°47'W), João Pessoa, PB - POLY-UFPB 279.

Vermiliopsis annulata (Schmarda, 1861)

Vermiliopsis bermudensis Bush, 1904.

Vermiliopsis annulituba Augener, 1906.

Vermiliopsis ambli Bush, 1907.

Vermiliopsis intermedia Bush, 1907.

Vermiliopsis ehlersiana Bush, 1910.

Vermiliopsis glandulata Treadwell, 1936.

Distribution: Wider Caribbean (BASTIDA-ZAVALA and SALAZAR-VALLEJO, 2000).

Paraíba record: Recife Quebra-Quilha (6°50'S; 34°42'W), João Pessoa, PB - POLY-UFPB 316.

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