

Checklist of the Crustacea from the state of Santa Catarina, Brazil

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ABSTRACT: The list of Crustacean species from the state of Santa Catarina, southern Brazil, comprises 518 valid species, distributed in 17 orders and 152 families. This amount corresponds to 0.75% of the Crustacea worldwide and about 20% of Brazilian species. The order Decapoda is the most represented, with 280 species. The families of Decapoda with the greatest number of species recorded were: Aeglidae (19), Palaemonidae (13) and Portunidae (13). In addition, the occurrence of 19 species distributed in the orders Cyclopoida (1), Podocopida (2) and Decapoda (16) is reported for the first time. Exotic species (9) are distributed in four different orders - Isopoda (6), Calanoida (1), Thoracica (1) and Decapoda (1).

INTRODUCTION

The first studies on the crustacean fauna (carcinofauna) from the state of Santa Catarina were performed by Johann Friedrich Theodor Müller (1822-1897), better known as Fritz Müller (e.g. Müller 1862; 1876; 1880a; 1880b; 1881; 1892). Afterwards several researchers have been studying the carcinofauna in this region. According to the recent publication “Diagnóstico da Zoologia no Brasil”, organized by the Brazilian Zoology Society – SBZ (Rocha and Boeger 2009), researchers of three scientific institutions based in Santa Catarina state have been working with carcinology: Universidade do Vale do Itajaí (UNIVALI), Universidade Federal de Santa Catarina (UFSC) and Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral Sudeste e Sul (CEPSUL / ICMBio) (Bond-Buckup *et al.* 2009). However other research groups have considerably contributed to the knowledge of the crustacean diversity in this region.

The information on the occurrence of the crustaceans in the state of Santa Catarina is dispersed and available in books, articles, catalogues, theses, foundation reports and collections, and many of them have not been published or remain as gray literature. Given this lack of a comprehensive data set about this state's carcinofauna, data were compiled from publications and collections in order to elaborate the present list of its crustaceans.

MATERIALS AND METHODS

In general, the crustacean species' classification was made according to Martin and Davis (2001), Appeltans *et al.* (2011) and the Integrated Taxonomic Information System (2010) (<http://www.itis.gov>). For some groups, the following specific classifications were used: for general Decapoda (De Grave *et al.* 2009) and specific groups as for Galatheididae (Baba *et al.* 2008), for Hippoidea (Boyko

and McLaughlin 2010), for Paguroidea, Hippoidea and Porcellanidae (McLaughlin *et al.* 2010a), for Aeglidae (Bond-Buckup 2003; McLaughlin *et al.* 2010b), for Astacidea, Achelata and Polychelida (Chan 2010), for Brachyura (Ng *et al.* 2008), for Trichopeltariidae (Tavares and Cleve 2010), for Dendrobranchiate and Caridean Shrimps (De Grave and Fransen 2011; Anker 2012).

The occurrence of a species in the state of Santa Catarina is based either in some of records mentioned previously in publications or in specimens deposited in institutional collections which were accessed by the authors (in such case, the locality data, and the respective collection acronym and catalogue number are informed). Some records based only in compilation papers (catalogue, manuals of identification, academic papers) that have not informed specimens or collection data should be taken with caution, as they were not checked by the authors.

The location of the terrestrial species from the infraorder Isopoda was defined by the city where the sampling occurred. In freshwater species, the watercourse was indicated and, in some cases, both the watershed and the geographical coordinates were mentioned. The information on depth (when available) was also indicated for the marine species. This heterogeneity of information was due to the source's data available. In the present checklist, the following institutions with respective abbreviations were cited:

CEPSUL: Coleção do Centro de Pesquisa e Gestão de Recursos Pesqueiros do Litoral Sudeste e Sul, Itajaí.

CCDB: Coleção de Crustáceos do Departamento de Biologia da FFCLRP, Universidade de São Paulo, Ribeirão Preto.

DZ-UFPR: Coleção do Departamento de Zoologia da Universidade Federal do Paraná, Curitiba.

DOUFPe: Coleção de Crustáceos do Departamento de Oceanografia da Universidade Federal de Pernambuco, Recife.

FURG: Universidade Federal de Rio Grande, Rio Grande.

INPA: Instituto Nacional de Pesquisas da Amazônia, Manaus.

MCSN: Museo Civico di Storia Naturale, Milano.

MCT-PUCRS: Museu de Ciências e Tecnologia, Ponticífia Universidade Católica do Rio Grande do Sul, Porto Alegre.

MHNCI: Museu de História Natural Capão da Imbuia, Curitiba.

MHNG: Muséum d'Histoire Naturelle, Genève.

MNRJ: Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro.

MZUSP: Museu de Zoologia, Universidade de São Paulo, São Paulo.

NHM: The Natural History Museum, London

NHMW: Naturhistorisches Museum, Vienna.

SMF: Senckenberg Museum, Frankfurt.

SMNH: Swedish Museum of Natural History, Stockholm.

UFRGS: Coleção do Departamento de Zoologia, Universidade Federal do Rio Grande do Sul, Porto Alegre.

USNM: National Museum of Natural History, Smithsonian Institution, Washington, D.C.

ZMB: Zoologisches Museum der Humboldt Universität, Berlin.

ZMH: Zoologisches Museum, Universität Hamburg, Hamburg.

RESULTS AND DISCUSSION

The crustacean species' list from the state of Santa Catarina comprises 518 valid species, distributed in 17 orders (Table 1) and 152 families. This amount corresponds to 0.75% of the Crustacea worldwide valid species and about 20% of Brazilian species (Martin and Davis 2001; Amaral and Jablonski 2005).

The checklist of crustacean species from Santa Catarina state is shown below divided into classes, orders and families, following alphabetical order.

FIGURE 1. Crustaceans orders and number of species from Santa Catarina, Brazil.

ORDER	NUMBER OF SPECIES
Amphipoda	12
Arguloidea	1
Calanoida	40
Cyclopoida	25
Decapoda	280
Diplostraca	34
Harpacticoida	28
Isopoda	44
Kentrogonida	3
Lepadiformes	4
Mysida	1
Podocopida	7
Poecilostomatoida	8
Scalpelliformes	4
Sessilia	15
Siphonostomatoida	4
Stomatopoda	8
TOTAL	518

Crustacea Brünnich, 1772

Branchiopoda Latreille, 1817

Diplostraca Gerstaecker, 1866

Bosminidae Baird, 1845

Bosmina haggmanni Stingelin, 1904

Previous record: Serafim-Júnior *et al.* 2006.

Bosmina longirostris (O. F. Müller, 1785)

Previous record: Serafim-Júnior *et al.* 2006; Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

Bosmina tubicen Brehm, 1953

Previous record: Serafim-Júnior *et al.* 2006.

Bosminopsis deitersi Richard, 1895

Previous record: Serafim-Júnior *et al.* 2006; Veado *et al.* 2010.

Eubosmina huaronensis (Delachaux, 1918)

Previous record: Serafim-Júnior *et al.* 2006 (cited as *Bosmina huaronensis*).

Chydoridae Stebbing, 1902

Alona guttata G. O. Sars, 1862

Previous record: Serafim-Júnior *et al.* 2006.

Alona intermedia G. O. Sars, 1862

Previous record: Serafim-Júnior *et al.* 2006.

Alona monacantha Sars, 1901

Previous record: Serafim-Júnior *et al.* 2006.

Camptocercus australis Sars, 1896

Previous record: Veado *et al.* 2010 (cited as *Camptocercus dadayi* Stingelin, 1913).

Chydorus eurynotus Sars, 1901

Previous record: Serafim-Júnior *et al.* 2006; Veado *et al.* 2010.

Chydorus nitidulus Sars, 1901

Previous record: Serafim-Júnior *et al.* 2006.

Chydorus sphaericus (O.F. Müller, 1776)

Previous record: Elmoor-Loureiro 2000.

Disparalona dadayi (Birge, 1910)

Previous record: Serafim-Júnior *et al.* 2006.

Euryalona orientalis (Daday, 1898)

Previous record: Veado *et al.* 2010.

Kurzia latissima (Kurz, 1874)

Previous record: Veado *et al.* 2010.

Leydigiopsis brevirostris Brehm, 1938

Previous record: Serafim-Júnior *et al.* 2006.

Oxyurella longicaudis (Birge, 1910)

Previous record: Veado *et al.* 2010.

Daphniidae Straus, 1820

Ceriodaphnia pulchella Sars, 1862

Previous record: Elmoor-Loureiro 2000.

Ceriodaphnia quadrangula (O.F. Müller, 1785)

Previous record: Veado *et al.* 2010.

Ceriodaphnia reticulata (Jurine, 1820)

Previous record: Serafim-Júnior *et al.* 2006.

Ceriodaphnia silvestrii Daday, 1902

Previous record: Serafim-Júnior *et al.* 2006; Resgalla Jr. *et al.* 2008.

***Daphnia gessneri* Herbst, 1967**

Previous record: Serafim-Júnior *et al.* 2006.

***Daphnia laevis* Birge, 1878**

Previous record: Veadó *et al.* 2010.

***Simocephalus vetulus* (O. F. Müller, 1776)**

Previous record: Veadó *et al.* 2010.

Ilyocryptidae Smirnov, 1992***Ilyocryptus spinifer* Herrick, 1882**

Previous record: Serafim-Júnior *et al.* 2006; Veadó *et al.* 2010.

Macrothricidae Norman and Brady, 1867***Macrothrix mira* (Smirnov, 1982)**

Previous record: Serafim-Júnior *et al.* 2006.

***Macrothrix triserialis* (Brady, 1886)**

Previous record: Resgalla Jr. *et al.* 2008; Veadó *et al.* 2010.

Moinidae Goulden, 1968***Moina micrura* Kurz, 1874**

Previous record: Serafim-Júnior *et al.* 2006.

***Moina minuta* Hansen, 1899**

Previous record: Resgalla Jr. *et al.* 2008; Veadó *et al.* 2010.

Podonidae Mordukhai-Boltovskoi, 1968***Evadne spinifera* P. E. Müller, 1867**

Previous record: Montú and Gloeden 1998; Resgalla Jr. *et al.* 2008.

***Pleopsis polyphaemoides* (Leuckart, 1859)**

Previous record: Resgalla Jr. *et al.* 2008.

***Podon intermedius* Lilljeborg, 1853**

Previous record: Montú and Gloeden 1998.

***Pseudevadne tergestina* (Claus, 1877)**

Previous record: Montú and Gloeden 1998; Resgalla Jr. *et al.* 2008; Veadó *et al.* 2010.

Sididae Baird, 1850***Penilia avirostris* Dana, 1849**

Previous record: Montú and Gloeden 1998; Resgalla Jr. *et al.* 2008; Veadó *et al.* 2010.

Malacostraca Latreille, 1802**Amphipoda Latreille, 1816****Bateidae Stebbing, 1906*****Batea catharinensis* Müller, 1865**

Previous record: Wakabara and Serejo 1998.

Caprellidae Leach, 1814***Caprella penantis* Leach, 1814**

Previous record: Müller and Mittmann 1998.

***Caprella scaura* Templeton, 1836**

Previous record: Wakabara and Serejo 1998.

***Paracaprella pusilla* Mayer, 1890**

Previous record: Wakabara and Serejo 1998.

Corophiidae Dana, 1849***Audulla chelifera* Chevreux, 1901**

Previous record: Wakabara and Serejo 1998; Valério-Berardo and Miyagi 2000.

***Monocorophium acherusicum* (Costa, 1857)**

Previous record: Wakabara and Serejo 1998 [cited as *Corophium acherusicum* (Costa, 1851)].

***Photis brevipes* Shoemaker, 1942**

Previous record: Wakabara and Serejo 1998; Valério-Berardo and Miyagi 2000.

Exoedicerotidae Barnard and Drummond, 1982***Bathyporeiapus ruffoi* Escofet, 1971**

Previous record: Alves and Pezzuto 2009.

Phoxocephalopsidae Barnard and Drummond, 1982***Phoxocephalopsis zimmeri* Schellenberg, 1931**

Previous record: Alves and Pezzuto 2009.

Talitridae Rafinesque, 1815***Atlantorchestoidea brasiliensis* (Dana, 1853)**

Previous record: Alves and Pezzuto 2009.

***Chelorchestia darwini* (Müller, 1864)**

Previous record: Wakabara and Serejo 1998 (cited as *Orchestia darwini* Müller, 1864).

***Talorchestia dentata* (Filhol, 1885)**

Previous record: Wakabara and Serejo 1998 (cited as *Orchestia tucurauna* Müller, 1864).

Decapoda Latreille, 1801**Aeglidae Dana, 1852*****Aegla brevipalma* Bond-Buckup and Santos, 2012**

Specimens in a collection: Rio Matador, Rio Uruguai basin, BR 282, km 136, Bom Retiro, 27°49'02" S, 49°33'15" W, MZUSP 23465; UFRGS 3005; UFRGS 3010. Previous record: Santos *et al.* 2012.

***Aegla camargoi* Buckup and Rossi, 1977**

Specimens in a collection: Rio Capivaras, Rio Pelotas basin, Bom Jardim da Serra, UFRGS 3834; Rio Cachoeira, Rio Pelotas basin, Jardim da Serra, UFRGS 3839; Rio Lajeado, Rio Pelotas basin, Jardim da Serra, UFRGS 3844; Rio Barrinha, Rio Pelotas basin, Jardim da Serra, UFRGS 3903.

***Aegla franciscana* Buckup and Rossi, 1977**

Specimens in a collection: tributary of Rio Capivaras, Jardim da Serra, 28°25'28" S, 49°38'50" W, UFRGS 3841. Previous record: Bond-Buckup 2003.

***Aegla jarai* Bond-Buckup and Buckup, 1994**

Specimens in a collection: Arroio Amola Faca, km 239, BR 116, Curitiba, UFRGS 0248; Arroio Bandeirinhas, Lages, UFRGS 0249H, 0249P, 0344; Rio Jacutinga, Concordia, UFRGS 0256; Rio Ponte Alta, Ponte Alta, UFRGS 0343; tributary of Rio Jacutinga, Arbutã, UFRGS 1117; tributary of Rio Matador, Bom Retiro, UFRGS 1290; Rio Bonito, BR

282, Bocaina Sul, UFRGS 2054; Urubici, UFRGS 2056; Rio Espingarda, Indaial, UFRGS 2948; Rio Espingarda, National Park of the Serra do Itajaí, 27°01'25.97" S, 49°09'08.71" W, Rio Itajaí-Açú basin, Indaial, UFRGS 2991; waterfall Avençal, Ubirici, UFRGS 3003; Rio das Pedras, Santa Cecilia, 27°07'28" S, 50°27'22" W, UFRGS 3011; Rio Amola Faca, Lages, 27°44'45" S, 50°20'04" W, UFRGS 3015; Rio Matador and tributary, BR 282, km 136, Bom Retiro, 27°49'02" S, 49°33'15" W, UFRGS 3017; tributary of Rio Canoas, BR 282, between Lages and Bom Retiro, 27°47'10" S, 49°38'35" W, UFRGS 3020; Ribeirão Caeté, waterfall Ferdinand Schadrack, Blumenau, UFRGS 3203; Rio Águas Brancas, SC 430, tributary of Rio Canoas, Urubici, 27°56'52" S, 49°34'38" W, UFRGS 3720; Rio Barrinha, Rio Pelotas basin, Bom Jardim da Serra, 28°20'48" S, 49°36'2.6" W, UFRGS 3836, 3902; Rio Baú, Rio Pelotas basin, Bom Jardim da Serra, 28°20'15" S, 49°37'47" W, UFRGS 3905; Rio Lajeado, Rio Pelotas basin, Bom Jardim da Serra, 28°27'1.5" S, 49°39'25.9" W, UFRGS 3908; Arroio Passo Fundo, Rio Caveira basin, Paineal, 27°54'34.4" S, 50°05'14.6" W, UFRGS 3912; Rio Antoninha, Rio Lava-Tudo basin, São Joaquim, 28°15'3.9" S, 49°58'16" W, UFRGS 3922; Ponte Alta, Rio Canoas basin, Bocaina do Sul, 27°44'4.4" S, 49°59'1.0" W, UFRGS 3924; Rio Pessegueiro, Rio Canoas basin, Bocaina do Sul, 27°45'44" S, 50°01'53.6" W, UFRGS 3925; tributary of Rio Pessegueiro, Rio Canoas basin, Bocaina do Sul, 27°44'29" S, 50°01'21.7" W, UFRGS 3926; Rio Pericó, Rio Pelotas basin, São Joaquim, 28°11'58.5" S, 49°45'54.9" W, UFRGS 3930; Rio Amola Faca, BR 116, Rio Caveiras basin, Lages, 27°44'47.2" S, 50°20'5" W, UFRGS 3936; Rio Capoeiras, Rio Canoas basin, Urubici, 28°01'56.3" S, 49°36'56.2" W, UFRGS 3937; Rio Ponte Alta, Rio Canoas basin, Ponte Alta, 27°28'46.4" S, 50°22'49.4" W, UFRGS 3940, 3941, 3942; Rio dos Cachorros, Rio Canoas basin, Ponte Alta, 27°21'38.3" S, 50°26'2.3" W, UFRGS 3943; Arroio between Curitiba and Pouso Redondo, São Cristóvão do Sul, tributary of Rio Marombas, 27°18'6.8" S, 50°18'5.4" W, UFRGS 3947; Rio Águas Pretas, Rio Canoas basin, Otacílio Costa, 27°21'5.4" S, 50°08'0.4" W, 27°26'18.2" S, 50°9'52.9" W, UFRGS 3952, 3953; Rio da Areia, Rio Canoas basin, Otacílio Costa, 27°27'52" S, 50°07'20" W, UFRGS 3954; Rio dos Índios, Ribeirão das Palmeiras, Rio Canoas basin, Palmeiras, 27°34'15.5" S, 50°10'6.7" W, UFRGS 3955; Arroio do Cerradinho, Rio Canoas basin, Palmeiras, 27°35'16.8" S, 50°6'29.1" W, UFRGS 3956; Rio Camboim, Rio Canoas basin, Palmeiras, 27°35'35.3" S, 50°5'16.7" W, UFRGS 3957; Rio dos Macacos, Rio Canoas basin, Rio do Vale, 27°41'28.0" S, 50°3'9.2" W, UFRGS 3958; Ribeirão do Cadeado, Rio Canoas basin, Casa Queimada, 27°44'58.6" S, 50°8'21.4" W, UFRGS 3959; Rio Amola Faca, Rio Caveiras basin, Lages, 27°45'41.7" S, 50°25' 5.2" W, UFRGS 3960; Rio Passo Fundo, Rio Caveiras basin, São José do Cerrito, 27°43'45.6" S, 50°31'16.6" W, UFRGS 3961; Lajeado Refuga Baiano, Rio Caveiras basin, São José do Cerrito, 27°41'7.8" S, 50°33'56.9" W, UFRGS 3962; Lajeado dos Motas, Rio Caveiras basin, São José do Cerrito, 27°48'14" S, 50°27'36.6" W, UFRGS 3963; Rio Caveiras basin, Capão Alto, 27°55'50.5" S, 50°30'56.1" W, UFRGS 3964; tributary of Rio do Peixe, Videira, 26°58'59.6" S, 51°6'40.2" W, UFRGS 4004; Arroio das Antas, Otacílio Costa, UFRGS 4266. Previous record: Bond-Buckup 2003; Boos *et al.*

2006; Bond-Buckup *et al.* 2010.

***Aegla leachi* Bond-Buckup and Santos, 2012**

Specimens in a collection: tributary of Rio Paineal, Rio Uruguai basin, Paineal, 27°54'34.4" S, 50°05'14.6" W, MZUSP 23466; UFRGS 3910P; Rio Galafre, Rio Uruguai basin, Urupema, 27°52'58" S, 50°02'10.6" W, UFRGS 3933; tributary of Rio Marombas, São Cristóvão do Sul, 27°15'55" S, 50°28'14.1" W, UFRGS 3944; tributary of Rio Marombas, São Cristóvão do Sul, 27°18'6.8" S, 50°18'5.5" W, UFRGS 3950. Previous record: Santos *et al.* 2012.

***Aegla leptodactyla* Bond-Buckup and Buckup, 1994**

Specimens in a collection: Rio Lajeado, Rio Pelotas basin, Bom Jardim da Serra, 28°28'46" S, 49°43'20.6" W, UFRGS 3845.

***Aegla marginata* Bond-Buckup and Buckup, 1994**

Specimens in a collection: Rio Troncos, tributary of Rio da Prata, Joinville, UFRGS 1317; Afluente do Rio Lambedor, Chapecó, UFRGS 1344. Previous record: Bond-Buckup 2003.

***Aegla muelleri* Bond-Buckup and Buckup, 2010**

Specimens in a collection: Rio Passa Quatro, Rio Itajaí-Açú basin, Monte Castelo, 26°28'14" S, 50°11'59" W, UFRGS 2979P, 2980P; Rio Espingarda, Rio Itajaí-Açú basin, Indaial, National Park of the Serra do Itajaí, 27°01'24" S, 49°09'06" W, UFRGS 2982, 3385, 3570P, 3571, 4117H, 4117P. Previous record: Bond-Buckup *et al.* 2010.

***Aegla oblata* Bond-Buckup and Santos, 2012**

Specimens in a collection: Rio Engenho Velho, Rio Uruguai basin, Paineal, 27°54'12.8" S, 50°04'19.6" W, MZUSP 23467; UFRGS 3916P; UFRGS 3913; Rio Caronas, Rio Lava Tudo basin, Urupema, 27°59'42.9" S, 49°51'19.6" W, UFRGS 3920; Rio Antoninha, Rio Lava Tudo basin, São Joaquim, 28°15'3.9" S, 49°58'16" W, UFRGS 3923; Rio Périco Redondo, Rio Pelotas basin, São Joaquim, 28°11'58.5" S, 49°45'54.9" W, UFRGS 3928; Rio Lava-Tudo, Rio Pelotas basin, Urubici, 28°05'17.9" S, 49°38'23.7" W, UFRGS 3935; Rio Lava-Tudo, Rio Pelotas basin, São Joaquim, 28°09'05.3" S, 49°43'04.8" W, UFRGS 3939. Previous record: Santos *et al.* 2012.

***Aegla odebrechtii* Müller, 1876**

Specimens in a collection: Bom Jardim da Serra, UFRGS 2125; Rio Belchior, Gaspar, UFRGS 2390; Rio Itajaí-Açú, Atalanta, UFRGS 2676; BR 282, tributary of Rio Canoas, between Lages and Bom Retiro 27°47'10" S, 49°38'35" W, UFRGS 3012; Rio Barrinha, Rio Pelotas basin, Bom Jardim da Serra, 28°20'48" S, 49°36'2.6" W, UFRGS 3835; Rio Cachoeira, Rio Pelotas basin, Bom Jardim da Serra, 28°18'26" S, 49°37'1.4" W, UFRGS 3840; Rio Pelotas basin, Bom Jardim da Serra, 28°16'19" S, 49°35'31.4" W, UFRGS 3907; Ribeirão Engenho Velho, Rio Caveiras basin, Paineal, 27°54'12.8" S, 50°4'19.6" W, UFRGS 3915; Rio Caronas, Rio Lava-Tudo basin, Urupema, 27°59'42.9" S, 49°51'19.6" W, UFRGS 3919; Rio do Tigre, Rio Canoas basin, 27°53'54.3" S, 49°44'59.8" W, UFRGS 3921; Rio Caçapava tributary of Rio Lava-tudo, Rio Canoas basin, São Joaquim, 28°12'8.3" S, 49°59'32" W, UFRGS 3927; Rio Galafre, Rio Caveiras basin, Urupema, 27°52'58" S, 50°02'10.6" W, UFRGS 3932; Rio Capoeiras, Rio Canoas basin, Urubici, 27°52'58" S, 50°02'10.6" W, UFRGS 3934; tributary of Rio Marombas, Rio Canoas basin, São Cristóvão Sul, 27°15'55" S, 50°28'14.1" W, 27°16'18.6" S, 50°30'13.3" W, 27°18'6.8" S, 50°18'5.5" W, UFRGS 3945, 3946, 3948, 3949. Previous

record: Bond-Buckup 2003; Bond-Buckup *et al.* 2010.

***Aegla parana* Schmitt, 1942**

Specimens in a collection: Rio Timbó, São Pedro, UFRGS 1811. Previous record: Bond-Buckup 2003.

***Aegla parva* Bond-Buckup and Buckup, 1994**

Specimens in a collection: tributary of Rio Cubatão, Águas Mornas, UFRGS 1295; tributary of Rio Pinheiros, Anitópolis, UFRGS 2057. Previous record: Bond-Buckup 2003.

***Aegla platensis* Schmitt, 1942**

Specimens in a collection: Rio Lambedor, Chapecó, UFRGS 1105; Rio Rancho Grande, Peritiba, UFRGS 1115; Rio Marombas, Curitiba, CCDB 2798. Previous record: Bond-Buckup 2003.

***Aegla pomerana* Bond-Buckup and Buckup, 2010**

Specimens in a collection: tributary of Rio Itajaí-Açú, Pomerode, UFRGS 2679P, 2993P; Campo Alegre, Joinville, UFRGS 3262P. Previous record: Bond-Buckup *et al.* 2010.

***Aegla rossiana* Bond-Buckup and Buckup, 1994**

Specimens in a collection: Rio Jordão, Criciúma, UFRGS 00230H, 00230P, 232, 233, 243; tributary of Rio Jordão, Siderópolis, 28°34'45" S, 49°30'20" W, UFRGS 3042; Ariribá, Itajaí, 26°57'38.8" S, 48°39'15.4" W, CCDB 1938. Previous record: Bond-Buckup 2003.

***Aegla schmitti* Hobbs III, 1979**

Specimens in a collection: Rio Negro basin, 26°39'37" S, 50°16'39" W, UFRGS 5346. Previous record: Bond-Buckup 2003.

***Aegla serrana* Buckup and Rossi, 1977**

Specimens in a collection: Rio das Antas, Rio do Peixe basin, 26°54'6.4" S, 51°3'45.2" W, UFRGS 4005.

***Aegla singularis* Ringuelet, 1948**

Specimens in a collection: Rio das Antas, Rio do Peixe basin, 26°54'6.4" S, 51°3'45.2" W, UFRGS 4006.

***Aegla spinosa* Bond-Buckup and Buckup, 1994**

Specimens in a collection: Arroio São João, tributary of Rio Canoas, UFRGS 0246H, 0246P; Rio Jacutinga, Concordia, UFRGS 0251; Arroio Invernada, tributary of Rio Pelotas, UFRGS 1181; tributary of Rio Matador, Bom Retiro, UFRGS 1294; Urubici, SC, UFRGS 1421; headspring of the Rio Canoas, Serra Corvo Branco, UFRGS 2675; Rio Águas Brancas, tributary of Rio Canoas, Uiricici, 27°56'52" S, 49°34'38" W, UFRGS 3009; Rio Baú, Rio Pelotas basin, Bom Jardim da Serra, 28°20'15" S, 49°37'47" W, UFRGS 3837, 3838; Rio Capivaras, Rio Pelotas basin, Bom Jardim da Serra, 28°24'20" S, 49°38'26" W, UFRGS 3842; Rio Cachoeira, Rio Pelotas basin, Bom Jardim da Serra, 28°18'26" S, 49°37'1.4" W, UFRGS 3904; Rio Barrinha, Rio Pelotas basin, Bom Jardim da Serra, 28°20'48" S, 49°36'2.6" W, UFRGS 3906, 3911; Rio Barrinha, Rio Pelotas basin, Bom Jardim da Serra, 28°28'46" S, 49°43'20.6" W, UFRGS 3909; Arroio Engenho Velho, Rio Caveiras basin, Paineira, 27°54'12.8" S, 50°04' 19.6" W, UFRGS 3914; Rio Pericó, Rio Pelotas basin, São Joaquim, 27°54'12.8" S, 50°04'19.6" W, UFRGS 3929; Rio Galafre, Rio Caveiras basin, Urupema, 27°52'58" S, 50°02'10.6" W, UFRGS 3931; tributary of Rio Marombas, Rio Canoas basin, São Cristóvão Sul, 27°18' 6.8" S, 50°18'5.5" W, UFRGS 3951; tributary of Rio Canoas, Campos Novos, 27°33'3.3" S, 51°26'29.8" W, UFRGS 4003. Previous record: Bond-Buckup 2003.

Aethridae Dana, 1851

***Hepatus gronovii* Holthuis, 1959**

Specimens in a collection: Baía da Babitonga, CEPsul 118; Baía da Babitonga, CEPsul 119; 27°15.32' S, 48°26.12' W, 21 m depth, CEPsul 351; 27°17.52' S, 48°20.27' W, 34 m depth CEPsul 468; 27°16.36' S, 48°17.71' W, 50 m depth CEPsul 472. Previous record: Melo 1996.

***Hepatus pudibundus* (Herbst, 1785)**

Specimens in a collection: 26°25.68' S, 48°22.95' W, 31-35 m depth, CEPsul 112; 26°25.68' S, 48°22.95' W, 31-35 m depth, CEPsul 124; 26°25.68' S, 48°22.95' W, 31-35 m depth, CEPsul 125; 27°08.62' S, 48°26.36' W, 28 m depth, CEPsul 248; shelf adjacent to Baía da Babitonga, 160 m depth, CEPsul 308; 27°16.73' S, 48°19.11' W, 42 m depth, CEPsul 349; 27°15.66' S, 48°21.24' W, 38 m depth, CEPsul 463; Praia dos Ingleses, Florianópolis, UFRGS 1847; Garopaba, UFRGS 1890; Ponta das Canas, Florianópolis, UFRGS 1891. Previous records: Melo 1996; 2010; Branco and Fracasso 2004; Bouzon and Freire 2007; Freitas Jr. *et al.* 2010.

***Osachila antillensis* Rathbun, 1916**

Previous record: Melo 1996; 2010.

***Osachila tuberosa* Stimpson, 1871**

Previous record: Melo 1996; 2010.

Albuneidae Stimpson, 1858

***Albunea paretii* Guérin-Ménéville, 1853**

Previous records: Calado 1999; Melo 1999.

***Blepharipoda doelloi* Schmitt, 1942**

Previous record: Melo 1999.

***Lepidopa richmondi* Benedict, 1903**

Specimens in a collection: Praia Brava, Florianópolis, UFRGS 2166; Praia de Bombas, Porto Belo, SC, UFRGS 3414, 3417; Praia dos Ingleses, Florianópolis, UFRGS 3603. Previous records: Calado 1999; Melo 1999; Alves and Pezzuto 2009.

***Lepidopa venusta* Stimpson, 1860**

Previous records: Calado 1999; Melo 1999.

Alpheidae Rafinesque, 1815

***Alpheus angulosus* McClure, 2002**

Previous record: Christoffersen 1998 (cited as *Alpheus armillatus*).

***Alpheus bouvieri* A. Milne-Edwards, 1878**

Specimens in a collection: Praia de Cabeçudas, 26°55'46.2" S, 48°37'48.9" W, CCDB 1877; Praia dos Ingleses, 27°08'39.7" S, 48°28'38.2" W, Bombinhas, CCDB 1886.

***Alpheus floridanus* Kingsley, 1878**

Previous record: Christoffersen 1998.

***Alpheus intrinsecus* Bate, 1888**

Previous record: Christoffersen 1998.

***Alpheus nuttingi* (Schmitt, 1924)**

Specimens in a collection: Praia da Conceição, Bombinhas, 27°12'10.3" S, 48°29'22.0" W, CCDB 1880. Previous record: Christoffersen 1998.

***Alpheus pouang* Christoffersen, 1979**

Previous record: Christoffersen 1998.

***Synalpheus apioceros* Coutière, 1909**

Previous record: Christoffersen 1998.

***Synalpheus brevicarpus* (Herrick, 1891)**

Previous record: Christoffersen 1998.

***Synalpheus fritzmuelleri* Coutière, 1909**

Previous record: Christoffersen 1998.

***Synalpheus latastei tenuispina* Coutière, 1909**

Previous record: Christoffersen 1998.

Atyidae de Haan, 1849***Atya scabra* (Leach, 1815)**

Specimens in a collection: 28°01'02" S, 48°39'27" W, UFRGS 3185. Previous records: Ramos-Porto and Coelho 1998; Bond-Buckup and Buckup 1999; Melo 2003.

***Potimirim brasiliiana* Villalobos, 1959**

Specimens in a collection: Porto Belo, UFRGS 0650; tributary of Rio da Barra, Bombas, UFRGS 0651; Praia Brava, Florianópolis, UFRGS 2041; Praia da Vigia, Garopaba, UFRGS 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2375, 3340, 3344; BR 376, Garuva, 26°00'17.6"S, 48°52'17.1"W, CCDB 2116; Previous records: Ramos-Porto and Coelho 1998 (cited as *P. glabra*); Melo 2003 (cited as *P. glabra*); Torati and Mantelatto (2012).

***Potimirim potimirim* Müller, 1881**

Specimens in a collection: Rio Cachoeira, Governador Celso Ramos, 27°25'08.6"S, 48°35'47.4"W, CCDB 1893; Blumenau, MZUSP 691. Previous records: Müller 1881; Ramos-Porto and Coelho 1998; Melo 2003; Torati and Mantelatto (2012).

Belliidae Dana, 1852***Corystoides chilensis* Lucas, 1844**

Previous record: Melo 1996; 2010.

Calappidae De Haan, 1833***Acanthocarpus alexandri* Stimpson, 1871**

Specimens in a collection: 26°13,22' S, 46°26,58' W, 210 m depth, CEPSUL 190; 26°48,79' S, 46°44,62' W, 208 m depth, CEPSUL 238; coast of Santa Catarina state, 20 – 100 m depth, CEPSUL 399. Previous record: Melo 1996; 2010; Bernardes *et al.* 2005.

***Callapa angusta* A. Milne-Edwards, 1880**

Previous record: Melo 1996.

***Callapa galloides* Stimpson, 1859**

Previous records: Melo 1996 [cited as *Callapa gallus* (Herbst, 1803)]; Bouzon and Freire 2007 (cited as *C. gallus*).

Callianassidae Dana, 1852***Callichirus major* (Say, 1818)**

Specimens in a collection: Praia Barra do Saí, Itapoá, 26°00'25.4" S, 48°36'23.45" W, CCDB 2184; Praia Central, Balneário Camboriú, 26°59'26" S, 48°37'42" W, CCDB 2868. Previous record: Melo 1999.

***Sergio guassutinga* (Rodrigues, 1971)**

Previous record: Melo 1999.

***Sergio mirim* (Rodrigues, 1971)**

Specimens in a collection: Porto Belo, UFRGS 3397. Previous record: Melo 1999.

Chirostylidae Ortmann, 1892***Uroptychus nitidus* (A. Milne-Edwards, 1880)**

Specimens in a collection: MZUSP 13201. Previous record: Melo-Filho 1999; 2006; Nucci *et al.* 2004 (29°14.675' S, 47°50.669' W, 506 m depth).

Cyclodorippidae Ortmann, 1892***Clythrocerus granulatus* (Rathbun, 1898)**

Previous record: Melo 1996; Tavares 1996.

***Deilocerus perpusillus* (Rathbun, 1901)**

Previous record: Melo 1996; 2010; Tavares 1996.

Cymonomidae Bouvier, 1898***Cymonomus quadratus* A. Milne-Edwards, 1880**

Previous record: Melo 1996; 2010.

Diogenidae Ortmann, 1892***Calcinus tibicen* (Herbst, 1791)**

Specimens in a collection: Praia dos Ingleses, Bombinhas, 27°08'39.7" S, 48°28'38.2" W, CCDB 1884; Previous record: Rieger and Giraldo 1997a; Bouzon and Freire 2007.

***Clibanarius antillensis* Stimpson, 1859**

Specimens in a collection: Praia de Cabeçadas, 26°55'46.2" S, 48°37'48.9" W, CCDB 1876. Previous record: Rieger 1997; Melo 1999.

***Clibanarius sclopetarius* (Herbst, 1796)**

Specimens in a collection: Vigoreli, Joinville, UFRGS 4167; Tapera da Barra do Sul, Florianópolis, 27°47'24"S, 48°33'511" W, CCDB 2904. Previous record: Coelho and Ramos-Porto 1987; Rieger 1997; Melo 1999.

***Clibanarius vittatus* (Bosc, 1802)**

Specimens in a collection: Praia do Sambaqui, Florianópolis, 27°29'12.7" S, 48°32'20.0" W, CCDB 1889; Barra da Lagoa, Florianópolis, 27°34' S, 48°25' W, CCDB 2946. Previous record: Coelho and Ramos-Porto 1987; Rieger 1997; Melo 1999.

***Dardanus insignis* (de Saussure, 1858)**

Specimens in a collection: 26°41.53' S, 47°43.85' W, 80 m depth, CEPSUL 23; 26°31.74' S, 48°19.9' W, 40 m depth, CEPSUL 24; coast of Santa Catarina state, 38-41 m depth, CEPSUL 150. Previous record: Coelho and Ramos-Porto 1987; Rieger 1997; Melo 1999; Branco and Fracasso 2004; Bouzon and Freire 2007.

***Isocheles sawayai* Forest and Saint Laurent, 1968**

Specimens in a collection: beach of Balneário Camboriú, UFRGS 1910; 26°13' S, 48°30' W, CCDB 3054. Previous record: Coelho and Ramos-Porto 1987; Rieger 1997; Melo 1999.

***Loxopagurus loxochelis* (Moreira, 1901)**

Specimens in a collection: 26°27.62' S, 48°30.87' W, 20 m depth, CEPSUL 33; 26°25.95' S, 48°34.55' W, 12 m depth, CEPSUL 35; 26°13' S, 48°30' W, CCDB 3053. Previous record: Coelho and Ramos-Porto 1987; Rieger 1997; Melo 1999; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010

***Paguristes pauciparus* Forest and Saint Laurent, 1968**

Previous record: Rieger 1997; Melo 1999.

***Paguristes robustus* Forest and Saint Laurent, 1968**

Previous record: Bouzon and Freire 2007.

***Paguristes rostralis* Forest and Saint Laurent, 1968**

Previous record: Coelho and Ramos-Porto 1987.

***Paguristes tortugae* Schmitt, 1933**

Specimens in a collection: Florianópolis, CCDB 2512.

Previous record: Rieger and Giraldi 1997a.

***Petrochirus diogenes* (Linnaeus, 1758)**

Specimens in a collection: 26°17.72' S, 48°11.09' W, 40 m depth, CEPSUL 44; 26°29.74' S, 48°18.99' W, 40 m depth, CEPSUL 54; 26°24.62' S, 47°52.45' W, 60 m depth, CEPSUL 57; 26°31.74' S, 48°19.9' W, 40 m depth, CEPSUL 65; Caixa D'Aço, Porto Belo, UFRGS 1375. Previous record: Coelho and Ramos-Porto 1987; Rieger 1997; Melo 1999.

Dromiidae De Haan, 1833

***Dromia erythropus* (George Edwards, 1771)**

Specimens in a collection: Ganchos de Fora, Governador Celso Ramos, MZUSP 6182. Previous record: Melo and Campos Jr. 1999.

***Hypoconcha arcuata* Stimpson, 1858**

Specimens in a collection: 26°31.41' S, 48°19.78' W, 40 m depth, CEPSUL 18; Enseada de Balneário Camboriú, 26°59'07" S, 48°35'58"W, FURG 3253. Previous record: Machado *et al.* 2009.

***Hypoconcha parasitica* (Linnaeus, 1763)**

Previous records: Melo and Campos Jr. 1999; Bouzon and Freire 2007.

***Moreiradromia antillensis* (Stimpson, 1858)**

Specimens in a collection: 26°17.09' S, 48°10.67' W, 40 m depth, CEPSUL 52. Previous records: Melo 1996; 2010; Melo and Campos Jr. 1999; Guinot and Tavares 2003.

Epialtidae MacLeay, 1838

***Apiomithrax violaceus* (A. Milne-Edwards, 1868)**

Previous record: Melo 1996, 2010.

***Epialtus bituberculatus* H. Milne Edwards, 1834**

Specimens in a collection: Santa Marta Grande Cape, Laguna, CEPSUL 126; Praia do Sambaqui, Florianópolis, 27°29'12.7" S, 48°32'20.0" W, CCDB 1887. Previous record: Bouzon and Freire 2007.

Galatheidae Samouelle, 1819

***Agononida longipes* (A. Milne-Edwards, 1880)**

Specimens in a collection: 27°20' S, 47°04' W, 400 m depth, MZUSP 15355; 27°20' S, 47°13' W, 197 m depth, MZUSP 15367; 27°20' S, 47°06' W, 295 m depth, MZUSP 15349; 27°19' S, 47°12' W, 199 m depth, MZUSP 15361; 27°15' S, 47°48' W, 101 m depth, MZUSP 15369; 29°05' S, 47°30' W, 250 m depth, FURG 393. Previous records: Melo 1999; Melo-Filho 1999; 2006; 2008; Melo-Filho and Melo 2001 (cited as *Munida longipes*).

***Munida constricta* A. Milne-Edwards, 1880**

Specimens in a collection: 28°50' S, 47°35' W, 586 m depth, FURG 1425; 27°22' S, 47°01' W, 600 m depth, MZUSP 16316. Previous records: Melo 1999; Melo-Filho 1999; 2006; 2008; Melo-Filho and Melo 2001.

***Munida flinti* Benedict, 1902**

Specimens in a collection: 26°13.22' S, 46°26.58' W, 210 m depth, CEPSUL 192; 26°48.79' S, 46°44.62' W, 208 m depth, CEPSUL 241; 26°47' S, 46°28' W, 390 m depth, MZUSP 10305, 10307, 15353. Previous records: Melo 1999; Melo-

Filho 1999; 2006; 2008; Melo-Filho and Melo 2001.

***Munida forceps* A. Milne-Edwards, 1880**

Specimens in a collection: 26°13.22' S, 46°26.58' W, 210 m depth, CEPSUL 193; 26°48.72' S, 46°44.99' W, 206 m depth, CEPSUL 194; 26°48.79' S, 46°44.62' W, 208 m depth, CEPSUL 239; MZUSP 5173; FURG 756, 758. Previous records: Melo 1999; Melo-Filho 1999; 2006; Melo-Filho and Melo 2001.

***Munida iris* A. Milne-Edwards, 1880.**

Specimens in a collection: 27°20' S, 47°06' W, 295 m depth, MZUSP 15350. Previous record: Melo-Filho 2006; 2008.

***Munida irrasa* A. Milne-Edwards, 1880**

Previous record: Melo-Filho 1999; 2006.

***Munidopsis polita* (S. I. Smith, 1883)**

Specimens in a collection: 27°21' S, 47°01' W, 598 m depth, MZUSP 16439. Previous record: Melo-Filho 2008.

Gecarcinidae MacLeay, 1838

***Cardisoma guanhumi* Latreille, 1828**

Previous record: Branco 1991; Tavares 2002c.

Geryonidae Colosi, 1923

***Chaceon ramosae* Manning, Tavares and Albuquerque, 1989**

Specimens in a collection: 29°03.95' S, 47°45.37' W, 600 m depth, CEPSUL 168; 28°30.58' S, 46°48.67' W, 970 m depth, CEPSUL 169; 27°46.24' S, 47°00.93' W, 530 m depth, CEPSUL 170; 27°41.24' S, 46°53.36' W, 772 m depth, CEPSUL 171; 27°46.24' S, 47°00.93' W, 530 m depth, CEPSUL 172; 29°05.96' S, 47°45.37' W, 560 m depth, CEPSUL 173; 27°36.38' S, 47°08.97' W, 468 m depth, CEPSUL 174; 26°50.94' S, 46°10.48' W, 620 m depth, CEPSUL 175; 27°41.11' S, 47°06.41' W, 530 m depth, CEPSUL 177; 26°18.23' S, 45°41.09' W, 750 m depth, CEPSUL 178; 27°46.24' S, 47°00.99' W, 530 m depth, CEPSUL 183; 29°04.05' S, 47°43.63' W, 600 m depth, CEPSUL 186; 27°05'14.26"S, 46°23'48.59" W, CCDB 2590. Previous record: Athiê and Rossi-Wongtschowski, 2004; Tavares and Pinheiro 2011.

Goneplacidae MacLeay, 1838

***Chasmocarcinus typicus* Rathbun, 1898**

Specimens in a collection: 26°30.93' S, 47°26.3' W, 100 m depth, CEPSUL 14. Previous record: Melo 1996; 2010.

***Eucratopsis crassimanus* (Dana, 1852)**

Previous record: Melo 1996.

***Euryplax nitida* Stimpson, 1859**

Previous records: Melo 1996.

***Frevillea hirsuta* (Borradaile, 1916)**

Specimens in a collection: 26°19.97' S, 47°19.26' W, 100 m depth, CEPSUL 63. Previous record: Melo 1996; 2010.

***Neopilumnoplax americana* (Rathbun, 1898)**

Previous record: Bouzon and Freire 2007.

***Pseudorhombila octodentata* Rathbun, 1906**

Specimens in a collection: 26°41.53' S, 47°43.85' W, 80 m depth, CEPSUL 60. Previous record: Melo 1996; 2010.

Grapsidae MacLeay, 1838

***Cyrtograpsus affinis* (Dana, 1851)**

Previous record: Melo 1996.

***Cyrtograpsus angulatus* Dana, 1851**

Specimens in a collection: Laguna, CEPsul 120; Rio da Praia Brava, Itajaí, 26°56'25.2" S, 48°37'42.8" W, CCDB 1902. Previous record: Melo 1996.

***Geograpsus lividus* (H. Milne Edwards, 1837)**

Specimens in a collection: Costão do Santinho, Florianópolis, UFRGS 3790; 28°30'13.94" S, 48°46'02.99" W, UFRGS 4771; Praia de Cabeçudas, Itajaí, 26°55'46.2" S, 48°37'48.9" W, CCDB 1873. Previous record: Melo 1996.

***Goniopsis cruentata* (Latreille, 1803)**

Specimens in a collection: Praia Brava, Florianópolis, UFRGS 2169; 28°28'03.60" S, 48°51'43.31" W, UFRGS 4763; 26°56'25.2" S, 48°37'42.8" W, Praia Brava, Itajaí, CCDB 1879. Previous records: Branco 1991; Melo 1996.

***Neohelice granulata* (Dana, 1851)**

Specimens in a collection: Praia Brava, Florianópolis, UFRGS 1860; Florianópolis, UFRGS 1920; 28°28'03.60" S, 48°51'43.31" W, UFRGS 4756; 28°25'04.82" S, 48°51'31.71" W, UFRGS 4761; 28°27'51.57" S, 48°50'25.18" W, UFRGS 4769; Itajaí, MZUSP 670. Previous records: Melo 1990; 1996, Branco 1991; Branco *et al.* 2011 (cited as *Chasmagnathus granulata*).

***Pachygrapsus gracilis* (Saussure, 1858)**

Specimens in a collection: 28°30'13.94" S, 48°46'02.99" W, UFRGS 4764. Previous record: Melo 1996.

***Pachygrapsus transversus* (Gibbes, 1850)**

Specimens in a collection: Armação de Itapocorói, Penha, CEPsul 372; Ponta das Canas, Florianópolis, UFRGS 1854; Canasvieiras, Florianópolis, UFRGS 1868; Praia Brava, Florianópolis, UFRGS 3391, 4556; Praia Brava, Itajaí, 26°57'34.0" S, 48°37'43.4" W, CCDB 1885; Praia de Cabeçudas, Itajaí, 26°55'46.2" S, 48°37'48.9" W, CCDB 1940. Previous records: Melo 1996; Bouzon and Freire 2007.

***Planes cyaneus* Dana, 1851**

Specimens in a collection: epibiont associated with sea turtles, CEPsul 373; Praia Brava, Florianópolis, UFRGS 3389. Previous record: Melo 1996.

Hippidae Latreille, 1825***Emerita brasiliensis* Schmitt, 1935**

Specimens in a collection: Florianópolis, Praia Brava, UFRGS 1904; Praia Brava, Florianópolis, UFRGS 1991, 2167, 3352, 3394, 3408, 3416; Garopaba, UFRGS 3463. Previous records: Calado 1999; Melo 1999; Alves and Pezzuto 2009.

Hippolytidae Dana, 1852***Exhippolysmata oplophoroides* (Holthuis, 1948)**

Specimens in a collection: 26°13.5' S, 48°29.4' W, 15 m depth, CEPsul 30, 49. Previous record: Christoffersen 1998; Bond-Buckup and Buckup 1999; Tavares 2002b; Branco and Fracasso 2004.

***Hippolyte obliquimanus* Dana, 1852**

Specimens in a collection: Porto Belo, UFRGS 2371; Bombinhas, 27°12'10.3" S, 48°29'22.0" W, CCDB 1874; Praia dos Ingleses, Bombinhas, 27°08'39.7" S, 48°28'38.2" W, CCDB 1881; Florianópolis, 27°29'12.7" S, 48°32'20.0" W,

CCDB 1875; Praia do Sambaqui, Florianópolis, 27°29'12.7" S, 48°32'20.0" W, CCDB 2620, 2891, 2958. Previous record: Christoffersen 1998 (cited as *H. curacaoensis* Schmitt, 1924); Terossi and Mantelatto 2012.

***Latreutes parvulus* (Stimpson, 1866)**

Specimens in a collection: Ponta das Canas, Florianópolis, UFRGS 0682.

***Lysmata moorei* (Rathbun, 1902)**

Previous record: Christoffersen 1998.

***Lysmata wurdemanni* (Gibbes, 1850)**

Previous record: Bond-Buckup and Buckup 1999.

Homolidae De Haan, 1839***Homola barbata* (Fabricius, 1793)**

Previous record: Melo 1996.

Inachidae MacLeay, 1838***Anisonotus atlanticus* (Coelho, 1997)**

Previous record: Coelho 2006.

***Coryrhynchus algicola* Stebbing, 1914**

Previous record: Melo 1996; Coelho 2006; Bouzon and Freire 2007.

***Ericerodes gracilipes* (Stimpson, 1871)**

Previous records: Melo 1996; Coelho 2006.

***Eurypodius latreillii* Guérin, 1825**

Previous record: Melo 2010.

***Podochela atlantica* (Coelho, 1997)**

Previous record: Melo 2010.

***Stenorhynchus seticornis* (Herbst, 1788)**

Specimens in a collection: Praia da Conceição, Bombinhas, 27°12'10.3" S, 48°29'22.0" W, CCDB 1872. Previous records: Melo 1996; 2010; Bouzon and Freire 2007; Almeida and Coelho 2008.

Inachoididae Dana, 1851***Collodes rostratus* A. Milne-Edwards, 1879**

Previous records: Melo 1996; 2010; Almeida and Coelho 2008.

***Euprognatha acuta* A. Milne-Edwards, 1880**

Previous record: Melo 1996.

***Euprognatha gracilipes* A. Milne-Edwards, 1878**

Previous record: Melo 1996.

***Euprognatha rastellifera* Stimpson, 1871**

Previous record: Melo 2010.

***Inachoides forceps* A. Milne-Edwards, 1879**

Specimens in a collection: MZUSP 12609, 6067. Previous record: Santana and Tavares 2009.

***Leurocyclus tuberculosus* (H. Milne Edwards and Lucas, 1843)**

Specimens in a collection: 26°24.74' S, 47°52.5' W, 60 m depth, CEPsul 42; 26°40.22' S, 47°43.06' W, 81 m depth, CEPsul 46; 26°41.53' S, 47°43.89' W, 80 m depth, CEPsul 47; CEPsul 450; CEPsul 469; 27°09.67' S, 49°16.91' W, 49 m depth, CEPsul 473. Previous record: Melo 1996; 2010.

***Pyromaia tuberculata* (Lockington, 1877)**

Specimens in a collection: Enseada de Balneário Camboriú, 26°59'07" S, 48°35'58" W, FURG 3254. Previous record: Machado *et al.* 2009.

Latreilliidae Stimpson, 1858***Latreillia williamsi* Melo, 1990**

Previous record: Melo 1996, 2010

Leucosiidae Samouelle, 1819***Myropsis quinquespinosa* Stimpson, 1871**

Specimens in a collection: 26°48.72' S, 46°44.99' W, 206 m depth, CEPSUL 195; shelf adjacent to Baía da Babitonga, 90-330 m depth, CEPSUL 305. Previous records: Melo 1996; 2010; Bernardes *et al.* 2005.

***Persephona crinita* Rathbun, 1931**

Previous record: Melo 1996.

***Persephona lichtensteinii* Leach, 1817**

Specimens in a collection: 26°13.5' S, 48°29.4' W, 15 m depth, CEPSUL 62; 27°08.62' S, 48°26.36' W, 28 m depth, CEPSUL 247; 27°16.8' S, 48°17.96' W, 49 m depth, CEPSUL 347. Previous record: Branco and Fracasso 2004; Freitas Jr. *et al.* 2010.

***Persephona mediterranea* (Herbst, 1794)**

Specimens in a collection: 26°25.68' S, 48°22.95' W, 31-35 m depth, CEPSUL 113; 26°30.27' S, 48°19.19' W, 41 m depth, CEPSUL 240; Barra do Sul, CEPSUL 362; 27°16.13' S, 48°27.892' W, 18 m depth, CEPSUL 475; 26°06'56" S, 48°31'11" W, CCDB 3049. Previous record: Melo 1996; 2010; Branco and Fracasso 2004.

***Persephona punctata* (Linnaeus, 1758)**

Specimens in a collection: 26°13.53' S, 48°29.31' W, 18 m depth, CEPSUL 50; Baía da Babitonga, CEPSUL 115; 27°08.36' S, 48°26.24' W, 28 m depth, CEPSUL 350; cost north of Santa Catarina, 20-100 m depth, CEPSUL 400; Ponta das Canas, Florianópolis, UFRGS 1934; 26°06'56" S, 48°31'11" W, CCDB 3050. Previous records: Melo 1996; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010.

Luciferidae de Haan, 1849***Lucifer faxoni* Borradaile, 1915**

Previous record: D'Incao 1998; 1999; Resgala Jr. *et al.* 2008.

***Lucifer typus* H. Milne Edwards, 1837**

Previous record: D'Incao 1998.

Majidae Samouelle, 1819***Eurypodius latreillei* Guérin, 1828**

Previous record: Melo 1996.

***Macrocoeloma captocerum* (Stimpson, 1871)**

Previous record: Bouzon and Freire 2007.

***Pitho lherminieri* (Schramm, 1867)**

Previous record: Bouzon and Freire 2007.

Menippidae Ortmann, 1893***Eriphia gonagra* (Fabricius, 1781)**

Specimens in a collection: Praia da Ribanceira, Imbituba, CEPSUL 371; Praia Brava, Florianópolis, UFRGS 3432; Praia Brava, Itajaí, 26°57'34.0" S, 48°37'43.4" W, CCDB 1896. Previous records: Karasawa and Schweitzer 2006; Almeida and Coelho 2008.

***Menippe nodifrons* Stimpson, 1859**

Specimens in a collection: Enseada de Itapocorói, Penha, CEPSUL 117; Garopaba, UFRGS 0022, 0023; Porto Belo, UFRGS 0133, 0168, 0547; Laguna, UFRGS 0548; Praia de Jurerê, Florianópolis, UFRGS 1867. Previous records: Melo 1996; Branco and Fracasso 2004; Bouzon and Freire 2007.

Mithracidae Balss, 1929***Microphrys bicornutus* (Latreille, 1825)**

Previous record: Melo 1996; 2010; Almeida and Coelho 2008.

***Mithraculus forceps* (A. Milne-Edwards, 1875)**

Previous record: Rieger and Giraldi 1996; Bouzon and Freire 2007; Almeida and Coelho 2008.

***Mithrax hispidus* (Herbst, 1790)**

Specimens in a collection: Ilha do Amendoim, Porto Belo, UFRGS 0172; Praia da Conceição, Bombinhas, 27°11'55.02" S, 48°28'59.77" W, CCDB 1862. Previous records: Rieger and Giraldi 2001; Almeida and Coelho 2008.

***Mithrax tortugae* Rathbun, 1920**

Specimens in a collection: Ilha do Amendoim, Porto Belo, UFRGS 0158. Previous records: Rieger and Giraldi 2001; Bouzon and Freire 2007.

***Stenocionops furcatus* (Olivier, 1791)**

Previous records: Melo 1996; 2010; Almeida and Coelho 2008.

***Stenocionops spinosissimus* (de Saussure, 1857)**

Specimens in a collection: 26°44.12' S, 47°32.27' W, 100 m depth, CEPSUL 134. Previous record: Melo 1996; 2010.

Nephropidae Dana, 1852***Metanephrops rubellus* (Moreira, 1903)**

Specimens in a collection: 26°31.52' S, 47°26.51' W, 100 m depth, CEPSUL 13. Previous records: D'Incao 1999; Melo 1999.

***Nephropsis aculeata* Smith, 1881**

Specimens in a collection: 25°58'S, 46°07'W, 268 m depth, MZUSP 11859; 26°40'S, 46°34'W, 300 m depth, MZUSP 15186; 28°00.22' S, 46°52.38' W, 603 m depth, CEPSUL 391. Previous record: Dall'Oco *et al.* 2007.

***Nephropsis rosea* Bate, 1888**

Specimens in a collection: 27°22'S, 47°01'W, 600 m depth, MZUSP 15250. Previous record: Dall'Oco *et al.* 2007.

Ocypodidae Rafinesque, 1815***Ocypode quadrata* (Fabricius, 1787)**

Specimens in a collection: Praia Brava, Florianópolis, UFRGS 1859, 3422, 3437. Previous record: Melo 1996; Alves and Pezzuto 2009.

***Uca burgesi* Holthuis, 1967**

Specimens in a collection: Vigoreli, Joinville, UFRGS 4165; Tapera da Barra do Sul, Florianópolis, 27°47'14" S, 48°33'51.1" W, CCDB 1897; Barra do Saí, Itapoá, 26°00'25.4" S, 48°36'23.5" W, CCDB 2282.

***Uca leptodactyla* Rathbun, 1898**

Specimens in a collection: Florianópolis, UFRGS 1933; Praia Brava, Florianópolis, UFRGS 2165. Previous record: Melo 1996.

***Uca maracoani* (Latreille, 1802-1803)**

Previous record: Branco 1991.

***Uca mordax* (Smith, 1870)**

Specimens in a collection: Barra do Saí, Rio Saí Mirim, Itapoá, UFRGS 3679; Baía Babitonga, UFRGS 4022; Rio Cachoeira, Praia de São Miguel, Governador Celso Ramos, 27°25'18.9" S, 48°37'25.8" W, CCDB 1898; Rio Camarão, Praia de São Miguel, Governador Celso Ramos, 27°24'05.9" S, 48°37'06.9" W, CCDB 1900.

***Uca rapax* (Smith, 1870)**

Specimens in a collection: Barra do Saí, Rio Saí Mirim, Itapoá, UFRGS 3679; Vigoreli, Joinville, UFRGS 4166. Previous record: Melo 1996.

***Uca thayeri* Rathbun, 1900**

Specimens in a collection: Praia Ubatuba, São Francisco do Sul, UFRGS 0120; Florianópolis, UFRGS 2287; Praia Brava, Florianópolis, UFRGS 3434; Ponta das Canas, Florianópolis, UFRGS 3652. Previous records: Branco 1991; Melo 1996; Branco *et al.* 2011.

***Uca uruguayensis* Nobili, 1901**

Specimens in a collection: estuary of Rio Itajaí-Açú, CEPsul 374; Praia Ubatuba, São Francisco do Sul, UFRGS 0121; Praia da Mutuca, Florianópolis, 27°41'49.4" S, 48°33'11.0" W, CCDB 1899; Itajaí, MZUSP 668. Previous records: Melo 1990; Branco 1991; Melo 1996; Branco *et al.* 2011.

***Uca vocator* (Herbst, 1804)**

Previous record: Melo 1996

***Ucides cordatus* (Linnaeus, 1763)**

Specimens in a collection: Meia Praia, Itapema, CEPsul 122; Foz do Rio Camboriú, Balneário Camboriú, CEPsul 311; Praia Brava, Florianópolis, UFRGS 2168; Baía da Babitonga, UFRGS 4024. Previous records: Branco 1991; Melo 1996; Tavares 2002c; Branco *et al.* 2011.

Ogyrididae Hay and Shore, 1918***Ogyrides alphaerostris* (Kingsley, 1880)**

Previous record: Christoffersen 1998.

Paguridae Latreille, 1802***Pagurus brevidactylus* (Stimpson, 1859)**

Specimens in a collection: 27°12'10.3" S, 48°29'22.0" W, Praia da Conceição, Bombinhas, CCDB 1878. Previous record: Rieger 1997; Rieger and Giraldo 1997b; Melo 1999.

***Pagurus criniticornis* (Dana, 1852)**

Specimens in a collection: 27°29'12.7" S, 48°32'20" W, Praia do Sambaqui, Florianópolis, CCDB 1892. Previous record: Rieger 1997; Melo 1999.

***Pagurus exilis* (Benedict, 1892)**

Previous record: Rieger 1997; Melo 1999.

***Pagurus leptonyx* Forest and Saint Laurent, 1968**

Previous record: Rieger 1997; Melo 1999.

***Pagurus provenzanoi* Forest and Saint Laurent, 1968**

Previous record: Rieger 1997; Melo 1999.

***Rhodochirus rosaceus* (A. Milne-Edwards and Bouvier, 1893)**

Previous record: Rieger 1997; Melo 1999; Bouzon and Freire 2007.

Palaemonidae Rafinesque, 1815***Leander paulensis* Ortmann, 1897**

Specimens in a collection: Enseada de Balneário Camboriú,

26°59'07" S, 48°35'58" W, FURG 3257. Previous record: Machado *et al.* 2010.

***Macrobrachium acanthurus* (Wiegmann, 1836)**

Specimens in a collection: Rio Saí-Guaçu, Garuva, UFRGS 0697; Rio Itajaí (artificial lake), Blumenau, UFRGS 3292; São José Acaraí, São Francisco do Sul, UFRGS 3345; Barra do Saí, Rio Saí Mirim, Itapoá, UFRGS 3680; 48°50'25.18"W - 28°27'51.57"S, UFRGS 4765; Rio da Praia de Bombas, Bombinhas, 27°08'02.9" S, 48°30'49.1" W, CCDB 1915; Palmas, Florianópolis, 27°20'27.6" S, 48°32'35.2" W, CCDB 1916; Rio da Praia Brava, Itajaí, 26°56'25.2" S, 48°37'42.8" W, CCDB 1917; Fazenda Armação, Tijucas, 27°22'07.3" S, 48°33'36.2" W, CCDB 1918; Rio da Praia do Estaleiro, Camboriú, CCDB 1919; Rio Saí Mirim, Itapoá, 26°00'25.3" S, 48°36'23.5" W, CCDB 2274; Rio Saí Mirim, 26°01'35.8" S, 48°37'47.5" W, CCDB 2275; Rio Saí Mirim, Itapoá, 25°59'23.9" S, 48°36'17.9" W, CCDB 2467; Praia Brava, Itajaí, 26°57'38.8" S, 48°39'15.5" W, CCDB 2506. Previous records: Bond-Buckup and Buckup 1989; Müller *et al.* 1993; Ramos-Porto and Coelho 1998; Bond-Buckup and Buckup 1999; Melo 2003; Branco *et al.* 2011.

***Macrobrachium carcinus* (Linnaeus, 1758)**

Specimens in a collection: Porto Belo, UFRGS 645; Rancho da Amizade, Florianópolis, UFRGS 884. Previous records: Bond-Buckup and Buckup 1989; Ramos-Porto and Coelho 1998; Bond-Buckup and Buckup 1999; Melo 2003.

***Macrobrachium heterochirus* (Wiegmann, 1836)**

Specimens in a collection: Praia Brava, Florianópolis, UFRGS 2040; Rio Amola Faca, Araranguá, UFRGS 2118. Previous records: Bond-Buckup and Buckup 1989; Ramos-Porto and Coelho 1998; Bond-Buckup and Buckup 1999; Melo 2003.

***Macrobrachium jelskii* (Miers, 1877)**

Previous records: Ramos-Porto and Coelho 1998; Melo 2003. Remarks: Voucher material no specified; occurrence in the state is doubtful.

***Macrobrachium nattereri* (Heller, 1862)**

Previous record: Melo 2003. Remarks: Voucher material no specified; occurrence in the state is doubtful.

***Macrobrachium olfersi* (Wiegmann, 1836)**

Specimens in a collection: Ponta das Canas, Florianópolis, UFRGS 0710; Garopaba, UFRGS 2069; Garopaba, UFRGS 2071; Laguna, UFRGS 2353; Garopaba, UFRGS 2354; Garopaba, UFRGS 2355; Rio da Praia do Sambaqui, Florianópolis, 27°28'36" S, 48°32'00" W, CCDB 1922; Canto dos Ganchos, Governador Celso Ramos, CCDB 1923; Florianópolis, 27°40'51.1" S, 48°33'42.6" W, CCDB 1924; Rio da Cachoeira, Governador Celso Ramos, 27°25'08.3" S, 48°35'47.4" W, CCDB 1929; Ribeirão da Ilha, Florianópolis, 27°42'11" S, 48°33'00" W, CCDB 1931. Previous records: Bond-Buckup and Buckup 1989; Ramos-Porto and Coelho 1998; Bond-Buckup and Buckup 1999; Melo 2003; Nazari *et al.* 2003.

***Macrobrachium potiuna* (Müller, 1880)**

Specimens in a collection: São Francisco do Sul, UFRGS 0694; Rio Perabeiraba, Joinville, 26°07'20.4" S, 48°56'22.6" W, UFRGS 2649; Garuva, UFRGS 2659; tributary of Rio Itajaí-Açú, UFRGS 2819; Sanga do Meio, Santa Terezinha, Forquilha, UFRGS 2960; tributary of Rio Ratones, Florianópolis, 27°30'40" S, 48°29'11.25" W, UFRGS 3182; tributary of Rio Lagoa Ribeirão, Paulo Lopes, 27°59'33" S, 48°40'38" W, UFRGS 3183; tributary of Rio d'Una, Morro

dos Pedrosos, Imbituba, 28°11'54" S, 48°47'19" W, UFRGS 3200; Florianópolis, 27°43'30" S, 48°32'18" W, CCDB 1859; Itajaí, 26°57'38.8" S, 48°39'14.4" W, CCDB 1920; Rio Espinheirinho, Itajaí, 26°54'33.7" S, 48°46'40.4" W, 1921; BR 376, Km 3, Garuva, 26°00'17.6" S, 48°52'17.1" W, CCDB 2281. Previous records: Müller 1880a; Bond-Buckup and Buckup 1989; Ramos-Porto and Coelho 1998; Bond-Buckup and Buckup 1999; Ammar *et al.* 2002; Boos and Althoff 2002; Boos and Althoff 2003; Melo 2003; Nazari *et al.* 2003.

***Palaemon northropi* (Rankin, 1898)**

Specimens in a collection: Porto Belo, UFRGS 0417, 0418. Previous records: Ramos-Porto and Coelho 1998.

***Palaemon pandaliformes* (Stimpson, 1871)**

Specimens in a collection: Baía da Babitonga, CEPSUL 327. Previous records: Bond-Buckup and Buckup 1989; Müller *et al.* 1996; Ramos-Porto and Coelho 1998; Bond-Buckup and Buckup 1999; Melo 2003.

***Palaemonetes argentinus* Nobili, 1901**

Previous records: Bond-Buckup and Buckup 1989; Müller and Araujo 1994; Ramos-Porto and Coelho 1998, Bond-Buckup and Buckup 1999; Melo 2003.

***Periclimenes longicaudatus* (Stimpson, 1860)**

Specimens in a collection: Enseada de Balneário Camboriú, 26°59'07"S, 48°35'58"W, FURG 3256. Previous record: Machado *et al.* 2010.

***Periclimenes paivai* Chace, 1969**

Previous record: Ramos-Porto and Coelho 1998.

Palicidae Bouvier, 1898

***Palicus alternatus* Rathbun, 1897**

Previous record: Melo 1996; 2010.

***Palicus dentatus* (A. Milne-Edwards, 1880)**

Previous record: Melo 1996; 2010.

***Palicus obesus* (A. Milne-Edwards, 1880)**

Previous record: Melo 1996; 2010.

***Palicus sica* (A. Milne-Edwards, 1880)**

Previous record: Melo 1996; 2010.

Palinuridae Latreille, 1802

***Panulirus laevicauda* (Latreille, 1817)**

Specimens in a collection: Marine biological reserve Arvoredo, CEPSUL 90; Praia do Côco, Balneário Camboriú, CEPSUL 201.

Pandalidae Haworth, 1825

***Plesionika edwardsii* (Brandt, 1851)**

Specimens in a collection: 26°44.11' S, 47°32.27' W, 100 m depth, CEPSUL 58; 26°12.8' S, 47°11.16' W, 105 m depth, CEPSUL 224; 29°05.42' S, 47°56.9' W, 232 m depth, CEPSUL 227; 29°04.68' S, 48°33.09' W, 108 m depth, CEPSUL 228; 26°48.8' S, 46°44.62' W, 208 m depth, CEPSUL 315.

Panopeidae Ortmann, 1893

***Acantholobulus bermudensis* (Benedict and Rathbun, 1891)**

Previous records: Melo 1996 (cited as *Panopeus bermudensis*); Karasawa and Schweitzer 2006; Almeida

and Coelho 2008.

***Acantholobulus schmitti* (Rathbun, 1930)**

Previous records: Melo 1996; Bouzon and Freire 2007; Almeida and Coelho 2008.

***Cyrtoplax spinidentata* (Benedict, 1892)**

Previous records: Melo 1996; 2010; Almeida and Coelho 2008.

***Eurypanopeus abbreviatus* (Stimpson, 1860)**

Specimens in a collection: Mangue dos Ratoes, Florianópolis, UFRGS 1902; Enseada de Itapocorói, Penha, CEPSUL 130. Previous records: Melo 1996; Bouzon and Freire 2007; Almeida and Coelho 2008.

***Eurypanopeus dissimilis* (Benedict and Rathbun, 1891)**

Previous record: Melo 1996.

***Eurytium limosum* (Say, 1818)**

Specimens in a collection: Rio Camboriú, Balneário Camboriú, CEPSUL 325. Previous records: Branco 1991; Melo 1996; Almeida and Coelho 2008.

***Hexapanopeus angustifrons* (Benedict and Rathbun, 1891)**

Previous records: Melo 1996; Almeida and Coelho 2008.

***Hexapanopeus caribbaeus* (Stimpson, 1871)**

Previous record: Melo 1996.

***Hexapanopeus paulensis* Rathbun, 1930**

Previous records: Melo 1996; Bouzon and Freire 2007; Almeida and Coelho 2008.

***Panopeus americanus* Saussure, 1857**

Previous records: Melo 1996; Karasawa and Schweitzer 2006; Almeida and Coelho 2008.

***Panopeus austrobesus* Williams, 1983**

Previous records: Melo 1996; Karasawa and Schweitzer 2006.

***Panopeus occidentalis* Saussure, 1857**

Previous records: Melo 1996; Karasawa and Schweitzer 2006; Almeida and Coelho 2008.

***Panopeus rugosus* A. Milne-Edwards, 1880**

Previous records: Melo 1996; Karasawa and Schweitzer 2006; Almeida and Coelho 2008.

***Tetraxanthus rathbunae* Chace, 1939**

Specimens in a collection: 26°18.63' S, 47°18.12' W, 100 m depth, CEPSUL 61. Previous record: Melo 1996; 2010.

Parapaguridae Smith, 1882

***Oncopagurus gracilis* (Henderson, 1888)**

Previous record: Nucci *et al.* 2004.

Parastacidae Huxley, 1879

***Parastacus laevigatus* Buckup and Rossi, 1980**

Specimens in a collection: Laguna, nearby to Lagoa Imaruí, UFRGS 1137; Cubatão Grande, Joinville, UFRGS 1366; Chácara dos Ipês, Joinville, UFRGS 1369. Previous record: Buckup and Rossi 1980; Buckup 1998; Buckup 2003.

***Parastacus saffordi* Faxon, 1898**

Specimens in a collection: Rio Jordão, Siderópolis, UFRGS 271. Previous record: Buckup and Rossi 1980; Buckup 1998; Buckup 2003.

***Parastacus varicosus* Faxon, 1898**

Specimens in a collection: 26°12'30" S, 48°50'47" W, Estrada do Timbé, Joinville, UFRGS 3066, 3067; 28°49'19" S, 49°27'18" W, Parque Ecológico Maracajá, Maracajá,

UFRGS 4786. Previous record: Buckup 2003.

Parthenopidae MacLeay, 1838

Agolambrus agonus (Stimpson, 1871)

Previous records: Melo 1996 [cited as *Parthenope* (*Parthenope*) *agona*]; Tan and Ng 2007; Almeida and Coelho 2008.

Costalambrus tommasii (Rodrigues da Costa, 1959)

Previous records: Melo 1996 (cited as *Heterocrypta tommasii*); Bouzon and Freire 2007 (cited as *H. tommasii*); Tan and Ng 2007.

Heterocrypta lapidea Rathbun, 1901

Previous record: Melo 1996; 2010.

Mesorhea sexspinosa Stimpson, 1871

Previous record: Melo 1996; 2010.

Spinolambrus fraterculus (Stimpson, 1871)

Previous record: Melo 1996 (cited as *Parthenope fraterculus*); Melo 2010.

Spinolambrus pourtalesii (Stimpson, 1871)

Previous record: Melo 1996 (cited as *Parthenope pourtalesii*); Melo 2010.

Solenolambrus brasiliensis Rodrigues da Costa, 1961

Previous record: Melo 1996.

Penaeidae Rafinesque, 1815

Artemesia longinaris Bate, 1888

Specimens in a collection: 27°13.56' S, 48°25.81' W, 27 m depth, CEPSUL 205; 27°21.31' S, 48°26.73' W, 18 m depth, CEPSUL 244, 266, 333; 27°10.13' S, 48°27.89' W, 18 m depth, CEPSUL 490; Praia Brava, Florianópolis, UFRGS 3315. Previous record: D'Incao 1998; 1999; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010.

Farfantepenaeus brasiliensis (Latreille, 1817)

Specimens in a collection: Barra Velha, CEPSUL 143; 27°15.32' S, 48°26.12' W, 21 m depth, CEPSUL 264; 27°21.31' S, 48°26.73' W, 18 m depth, CEPSUL 267; 27°06.2' S, 48°05.87' W, 18 m depth, CEPSUL 269; 27°20.81' S, 46°26.45' W, 19 m depth, CEPSUL 487; Ponta da Barra, Laguna UFRGS 2327. Previous records: D'Incao 1998; 1999; Tavares 2002b; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

Farfantepenaeus paulensis (Pérez Farfante, 1967)

Specimens in a collection: 26°18' S, 48°25' W, 22 m depth, CEPSUL 149; 27°08.08' S, 48°25.83' W, 29 m depth, CEPSUL 427; 27°20.81' S, 46°26.45' W, 19 m depth, CEPSUL 489; Praia da Caieira, Florianópolis, UFRGS 3326; Ponta das Canas, Florianópolis, UFRGS 3346; Florianópolis, UFRGS 3365; Praia Brava, Florianópolis, UFRGS 4020. Previous records: D'Incao 1998; 1999; Branco and Fracasso 2004; Ferreira and Freire 2009; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

Litopenaeus schmitti (Burkenroad, 1936)

Specimens in a collection: Porto Belo, UFRGS 2323; Lagoa do Mirim, Laguna, UFRGS 2366; Praia Brava, Florianópolis, UFRGS 3313; 25°59.67' S, 48°33.69' W, 13 m depth, CEPSUL 11; 26°11.91' S, 48°28.83' W, 19.5 m depth, CEPSUL 36; 27°15.32' S, 48°26.12' W, 21 m depth, CEPSUL 263; 27°09.67' S, 49°16.91' W, 49 m depth, CEPSUL 440; 27°13.98' S, 47°00.35' W, 305 m depth, CEPSUL 442; 27°20.81' S, 46°26.45' W, 19 m depth, CEPSUL 488.

Previous records: D'Incao 1998; 1999; Tavares 2002b; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

Parapenaeus americanus Rathbun, 1901

Specimens in a collection: 26°44.76' S, 47°32.72' W, 99 m depth, CEPSUL 6; 26°38.97' S, 47°29.9' W, 97 m depth, CEPSUL 7; 26°17.45' S, 47°30.08' W, 80 m depth, CEPSUL 8; 26°18.79' S, 47°18.79' W, 100 m depth, CEPSUL 9; 25°58.82' S, 48°25.55' W, 19 m depth, CEPSUL 37. Previous record: D'Incao 1998; 1999.

Penaeopsis serrata Bate, 1881

Previous record: D'Incao 1998; 1999.

Rimapenaeus constrictus (Stimpson, 1871)

Specimens in a collection: 26°11.71' S, 47°47.61' W, 60 m depth, CEPSUL 10; 26°05.7' S, 48°32.05' W, 12 m depth, CEPSUL 34; 26°11.79' S, 47°47.74' W, 61 m depth, CEPSUL 39; 27°15.32' S, 48°26.12' W, 21 m depth, CEPSUL 265; 27°20.81' S, 46°26.45' W, 19 m depth, CEPSUL 486. Previous record: D'Incao 1998; 1999; Tavares 2002b; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010.

Xiphopenaeus kroyeri (Heller, 1862)

Specimens in a collection: 27°10.13' S, 48°27.89' W, 18 m depth, CEPSUL 492; Porto Belo, UFRGS 2378. Previous record: D'Incao 1998; 1999; Branco *et al.* 1999; Tavares 2002b; Branco and Fracasso 2004; Branco 2005; Freitas Jr. *et al.* 2010.

Pilumnidae Samouelle, 1819

Pilumnus caribaeus Desbonne and Schramm, 1867

Previous records: Melo 1996; Karasawa and Schweitzer 2006; Almeida and Coelho 2008.

Pilumnus dasypodus Kingsley, 1879

Previous records: Melo 1996; Branco and Fracasso 2004; Karasawa and Schweitzer 2006; Almeida and Coelho 2008.

Pilumnus diomedae Rathbun, 1894

Previous records: Melo 1996; Karasawa and Schweitzer 2006; Bouzon and Freire 2007.

Pilumnus quoii H. Milne Edwards, 1834

Specimens in a collection: Enseada de Itapocorói, Penha, CEPSUL 114.

Pilumnus reticulatus Stimpson, 1860

Previous records: Melo 1996; Karasawa and Schweitzer 2006; Bouzon and Freire 2007; Almeida and Coelho 2008.

Pilumnus spinosissimus Rathbun, 1898

Previous records: Melo 1996; Karasawa and Schweitzer 2006; Bouzon and Freire 2007; Almeida and Coelho 2008.

Pilumnoididae Guinot and Macpherson, 1987

Pilumnoides bassleri A. Milne-Edwards, 1880

Previous records: Melo 1996; Karasawa and Schweitzer 2006.

Pilumnoides coelhoi Guinot and Macpherson, 1987

Specimens in a collection: Enseada de Itapocorói, Penha, CEPSUL 128. Previous records: Melo 1996; Karasawa and Schweitzer 2006; Almeida and Coelho 2008.

Pinnotheridae De Haan, 1833

Austinixa patagoniensis (Rathbun, 1918)

Previous record: Melo 1996 (cited as *Pinnixa patagoniensis*);

Alves and Pezzuto 2009.

***Clypeasterophilus stebbingi* (Rathbun, 1918)**

Specimens in a collection: Marine biological reserve Arvoredo, FURG 913. Previous record: Martins and D'Incao 1996.

***Dissodactylus crinitichelis* Moreira, 1901**

Previous record: Melo 1996.

***Fabia emiliai* (Melo, 1971)**

Previous record: Melo 1996.

***Holothuriophilus tomentosus* (Ortmann, 1894)**

Specimens in a collection: Florianópolis, Enseada de Ratones, 27°27' S, 48°32' W, MZUSP 15752, 15753. Previous records: Melo and Boehs 2004.

***Pinnixa brevipollex* Rathbun, 1898.**

Specimens in a collection: Santa Catarina, DOUFPe (N.Oc. Alm. Saldanha Est. 2217, cited as *Pinnixa rapax*). Previous record: Melo 1990 (cited as *P. rapax*); Martins and D'Incao 1996; Melo 1996 (cited as *P. rapax*).

***Pinnixa chaetopterana* Stimpson, 1860**

Previous record: Melo 1996.

***Pinnixa sayana* Stimpson, 1860**

Previous record: Martins and D'Incao 1996; Melo 1996.

***Tumidotheres maculatus* (Say, 1818)**

Specimens in a collection: Praia da Daniela, Florianópolis, MZUSP 9552. Previous record: Martins and D'Incao 1996; Bouzon and Freire 2007.

***Zaops ostreus* (Say, 1817)**

Previous record: Melo 1996 (cited as *Z. ostreum*).

Pisidae Dana, 1851

***Libinia ferreirae* Brito Capello, 1871**

Specimens in a collection: 25°56.82' S, 48°34.25' W, 10 m depth, CEPSUL 43; 26°14'34.76" S, 48°38'25.98" W, CCDB 3055. Previous record: Melo 1996; 2010; Branco and Fracasso 2004.

***Libinia spinosa* H. Milne Edwards, 1834**

Specimens in a collection: 29°04.45' S, 49°29.21' W, 18 m depth, CEPSUL 189; 27°08.36' S, 48°26.24' W, 28 m depth, CEPSUL 345; 27°11.47' S, 48°20.78' W, 39 m depth, CEPSUL 346; 27°11.57' S, 48°20.67' W, 38 m depth, CEPSUL 466; 27°16.55' S, 48°19.33' W, 41 m depth, CEPSUL 467; Ponta das Canas, Florianópolis, UFRGS 3070; Praia Brava, Florianópolis, UFRGS 3436; Santa Catarina (Projeto "RPC") MZUSP 4338. Previous records: Melo 1990; 1996; 2010; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010.

***Nibilia antilocapra* (Stimpson, 1871)**

Previous record: Melo 1996.

***Pelia rotunda* A. Milne-Edwards, 1875**

Previous records: Melo 1996; 2010; Bouzon and Freire 2007.

***Rochinia crassa* (A. Milne-Edwards, 1879)**

Specimens in a collection: 28°40.33' S, 47°19.87' W, 346 m depth, CEPSUL 179, 181; 27°36.38' S, 47°45.37' W, 468 m depth, CEPSUL 180; 26°50.82' S, 46°28.19' W, 390 m depth, CEPSUL 182.

***Rochinia gracilipes* A. Milne-Edwards, 1875**

Previous record: Melo 1996; 2010.

Platyxanthidae Guinot, 1977

***Platyxanthus crenulatus* A. Milne-Edwards, 1879**

Specimens in a collection: "Armação", MZUSP 6459. Previous records: Melo 1990; 1996; Karasawa and Schweitzer 2006.

Porcellanidae Haworth, 1825

***Megalobrachium roseum* (Rathbun, 1900)**

Specimens in a collection: Praia do Sambaqui, Florianópolis, 29°29'12.1" S, 48°32'20.0" W, CCDB 1932.

***Minyocerus angustus* (Dana, 1852)**

Previous records: Melo 1999; Bouzon and Freire 2007.

***Pachycheles chubutensis* Boschi, 1963**

Previous record: Melo 1999.

***Pachycheles laevidactylus* Ortmann, 1892**

Specimens in a collection: Ponta das canas, Florianópolis, UFRGS 1391; Santa Marta Grande Cape, CEPSUL 129; Praia de Cabeçudas, Itajaí, 26°55'46.2" S, 48°37'48.9" W, CCDB 1933; Praia da Conceição, Bombinhas, 27°12'10.3" S, 48°29'22.0" W, CCDB 1934; Praia do Sambaqui, Florianópolis, 27°29'12.7" S, 48°32'20.0" W, CCDB 1935; Praia Brava, Itajaí, 26°57'34.0" S, 48°37'43.4" W, CCDB 1936; Bombinhas, CCDB 3124; Ilha de São Francisco, MZUSP 9984; Praia Grande, São Francisco do Sul, MZUSP 9020. Previous records: Veloso and Melo 1993 (cited as *Pachycheles haigae*); Melo 1999; Veloso 1999.

***Pachycheles monilifer* (Dana, 1852)**

Previous record: Melo 1999.

***Petrolisthes armatus* (Gibbes, 1850)**

Specimens in a collection: Enseada de Itapocorói, Penha, CEPSUL 127; Praia da Conceição, Bombinhas, 27°12'10.3" S, 48°29'22.0" W, CCDB 1882; Praia de Cabeçudas, Itajaí, 26°55'46.2" S, 48°37'48.9" W, CCDB 1883; Praia do Sambaqui, Florianópolis, 27°29'12.7" S, 48°32'20.0" W, CCDB 1894, 2979; Praia dos Ingleses, Bombinhas, 27°08'39.7" S, 48°28'38.2" W, CCDB 1895. Previous record: Melo 1999; Mantelatto *et al.* 2011.

***Petrolisthes galathinus* (Bosc, 1802)**

Previous record: Melo 1999.

***Polyonyx gibbesi* Haig, 1956**

Previous records: Melo 1999; Veloso 1999.

***Porcellana sayana* (Leach, 1820)**

Specimens in a collection: 26°31.74' S, 48°19.9' W, 40 m depth, CEPSUL 19; 26°05.66' S, 48°06.4' W, 40 m depth, CEPSUL 20; 25°59.12' S, 48°25.72' W, 20 m depth, CEPSUL 21; 26°17.31' S, 48°10.79' W, 42 m depth, CEPSUL 51; 26°31.74' S, 48°19.9' W, 40 m depth, CEPSUL 317. Previous records: Melo 1999; Veloso 1999; Branco and Fracasso 2004.

Portunidae Rafinesque, 1815

***Achelous ordwayi* (Stimpson, 1860)**

Previous record: Melo 1996 (cited as *Portunus ordwayi*).

***Achelous spinicarpus* (Stimpson, 1871)**

Previous record: Melo 1996; 2010 (cited as *Portunus spinicarpus*).

***Achelous spinimanus* (Latreille, 1819)**

Specimens in a collection: Baía da Babitonga, CEPSUL 116; 26°25.68' S, 48°22.95' W, 31-35 m depth, CEPSUL 123; 27°21.31' S, 48°26.72' W, 90 m depth, CEPSUL 314; 27°16.73' S, 48°19.11' W, 42 m depth, CEPSUL 348; 27°08.78' S, 48°24.74' W, 32 m depth, CEPSUL 465;

Garopaba, UFRGS 1924; Praia dos Ingleses, Florianópolis, UFRGS 1925; Ponta das Canas, Florianópolis, UFRGS 3484. Previous records: Melo 1996; 2010; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010 (cited as *Portunus spinimanus*).

***Arenaeus cribrarius* (Lamarck, 1818)**

Specimens in a collection: 27°21.31' S, 48°26.72' W, 70 m depth, CEPsul 313; 26°11.046' S, 48°28.005' W, CCDB 3516. Previous records: Melo 1996; 2010; Tavares 2002c; Branco and Fracasso 2004.

***Callinectes bocourti* A. Milne-Edwards, 1879**

Specimens in a collection: 26°27.72' S, 48°31.03' W, 20 m depth, CEPsul 12; 28°27'49.57" S, 48°47'57.75" W, UFRGS 4760; 28°56'57.18" S, 48°49'7.70" W, UFRGS 4762. Previous records: Branco 1991; Melo 1996; Tavares 2002c; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

***Callinectes danae* (Smith, 1869)**

Specimens in a collection: shelf adjacent to Baía da Babitonga, 75 m depth, CEPsul 307; Rio Camboriú, Balneário Camboriú, CEPsul 322; 27°16.32' S, 48°26.12' W, 21 m depth, CEPsul 357; 26°12.24' S, 48°36.36' W, 20-100 m depth, CEPsul 401; Baía da Babitonga, CEPsul 402; 26°16.35' S, 48°40.54' W, 20-100 m depth, CEPsul 405; Laguna, UFRGS 1938; 28°27'49.57" S, 48°47'57.75" W, UFRGS 4757; 28°27'51.57" S, 48°50'25.18" W, UFRGS 4758; 28°56'57.18" S, 48°49'7.70" W, UFRGS 4759. Previous records: Branco 1991; Branco and Masunari 1992; Melo 1996; 2010; Tavares 2002c; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

***Callinectes exasperatus* (Gerstaecker, 1856)**

Previous records: Branco 1991; Melo 1996; Tavares 2002c.

***Callinectes ornatus* (Ordway, 1863)**

Specimens in a collection: 26°25.68' S, 48°22.95' W, 31-35 m depth, CEPsul 111; shelf adjacent to Baía da Babitonga, 75 m depth, CEPsul 306; 26°12.24' S, 48°36.36' W, 20-100 m depth, CEPsul 403; Baía da Babitonga, CEPsul 404; 27°08.79' S, 48°24.74' W, 32 m depth, CEPsul 464. Previous records: Branco 1991; Melo 1996; 2010; Tavares 2002c; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

***Callinectes sapidus* Rathbun, 1896**

Specimens in a collection: 27°16.61' S, 48°18.00' W, 47 m depth, CEPsul 332; estuary of Rio Itajaí-Açu, CEPsul 506; Laguna, CCDB 994; Praia da Mutuca, Florianópolis, 27°41'49.4"S, 48°33'11.0"W, CCDB 1890. Previous records: Branco 1991; Melo 1996; 2010; Tavares 2002c; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

***Charybdis hellerii* (A. Milne-Edwards, 1867)**

Specimens in a collection: 26°57.45' S, 48°37.31' W, CEPsul 101; 26°46.53' S, 48°36.13' W, CEPsul 102, 103; 26°49.67' S, 48°36.75' W, CEPsul 104; 26°51.1' S, 48°35.72' W, CEPsul 105; Baía da Babitonga CEPsul 108, 121; Praia da Pinheira, Palhoça, CEPsul 323; Enseada de Itapocorói, Penha, CEPsul 377, 378, 379, 380, 381, 382, 383, 384; Praia do Sambaqui, Florianópolis, 27°29'12.7" S, 48°32'20.0" W, CCDB 1888; Caieira da Barra, Florianópolis, 27°35'48.85"S, 48°32'58.03" W, CCDB 2909. Previous records: Mantelatto and Dias 1999; Boos *et al.* 2010; Freitas Jr. *et al.* 2010. Note: Exotic species.

***Coenophthalmus tridentatus* A. Milne-Edwards, 1879**

Previous record: Melo 1996.

***Cronius ruber* (Lamarck, 1818)**

Previous records: Melo 1996; 2010; Branco and Fracasso 2004; Bouzon and Freire 2007.

***Ovalipes trimaculatus* (De Haan, 1833)**

Specimens in a collection: CEPsul 109, 110. Previous record: Melo 1996; 2010.

Processidae Ortmann, 1890

***Ambidexter symmetricus* Manning and Chace, 1971**

Previous record: Christoffersen 1998.

***Processa hemphilli* Manning and Chace, 1971**

Previous records: Christoffersen 1998; Bond-Buckup and Buckup 1999.

Raninidae De Haan, 1839

***Ranilia constricta* (A. Milne-Edwards, 1880)**

Previous record: Bond-Buckup and Buckup 1999.

Scyllaridae Latreille, 1825

***Scyllarides brasiliensis* Rathbun, 1906**

Specimens in a collection: Baía do Farol, Marine biological reserve Arvoredo, MZUSP 16260. Previous record: Dall'Occo *et al.* 2007; Santana *et al.* 2007; Tavares *et al.* 2009.

***Scyllarides deceptor* Holthuis, 1963**

Specimens in a collection: 29°03.84' S, 49°01.94' W, 54 m depth, CEPsul 203. Previous records: Melo 1996; 1999; Oliveira *et al.* 2008.

Sergestidae Dana, 1852

***Acetes americanus* Ortmann, 1893**

Previous records: D'Incao 1998; 1999; Branco and Fracasso 2004.

***Peisos petrunkevitchi* (Burkenroad, 1945)**

Previous records: D'Incao 1998; 1999; Melo 1999.

Sesarmidae Dana, 1851

***Aratus pisonii* (H. Milne-Edwards, 1837)**

Specimens in a collection: 28°25'47.47" S, 48°50'43.54" W, UFRGS 4766; 28°30'13.94" S, 48°46'02.99" W, UFRGS 4768. Previous records: Branco 1991.

***Armases angustipes* (Dana, 1852)**

Previous records: Melo 1996.

***Armases rubripes* (Rathbun, 1897)**

Specimens in a collection: Praia Brava, Florianópolis, UFRGS 2296, 3433. Previous records: Branco 1991 (cited as *Metasesarma rubripes*); Melo 1996 (cited as *M. rubripes*); Almeida and Coelho 2008.

***Sesarma rectum* Randall, 1840**

Previous records: Melo 1996; Branco *et al.* 2011.

Sicyoniidae Ortmann, 1898

***Sicyonia dorsalis* (Bate, 1878)**

Specimens in a collection: 25°55.41' S, 48°33.57' W, 11 m depth, CEPsul 29; 26°25.92' S, 48°34.76' W, 12 m depth, CEPsul 53; 27°13.56' S, 48°25.81' W, 27 m depth, CEPsul 204; 27°08.62' S, 48°26.36' W, 21 m depth, CEPsul

295; 27°08.08' S, 48°25.83' W, 29 m depth, CEPsul 426; 27°08.15' S, 48°25.96' W, 27 m depth, CEPsul 493. Previous record: D'Incao 1998; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010.

***Sicyonia laevigata* Stimpson, 1871**

Previous record: D'Incao 1998.

***Sicyonia typica* (Boeck, 1864)**

Specimens in a collection: 26°18.48' S, 48°11.51' W, 41 m depth, CEPsul 48; Florianópolis, UFRGS 4558. Previous records: D'Incao 1998; Tavares 2002b.

Solenoceridae Wood-Mason, 1891

***Pleoticus muelleri* (Bate, 1888)**

Specimens in a collection: 26°41.00' S, 47°43.53' W, 81 m depth, CEPsul 31; 26°29.44' S, 47°37.66' W, 80 m depth, CEPsul 38; 26°24.64' S, 47°52.5' W, 60 m depth, CEPsul 40; 27°15.32' S, 48°26.12' W, 21 m depth, CEPsul 262; 27°21.31' S, 48°26.73' W, 18 m depth, CEPsul 268; 27°08.62' S, 48°26.36' W, 21 m depth, CEPsul 296; 27°10.13' S, 48°27.89' W, 18 m depth, CEPsul 491. Previous record: D'Incao 1998; 1999; Branco and Fracasso 2004; Freitas Jr. *et al.* 2010; Branco *et al.* 2011.

***Solenocera necopina* Burkenroad, 1939**

Previous record: D'Incao 1998.

Trichodactylidae H. Milne Edwards, 1853

***Trichodactylus dentatus* H. Milne Edwards, 1853**

Specimens in a collection: Rio Humboldt, Joinville, NHM uncatalogued; tributary of Rio Itapocuzinho, Guarimirim, MNRJ MD-1261; Joinville, 26°12'30" S, 48°50'47" W, INPA 875; roadway to Timbé, Joinville, UFRGS 3101; Chaparral, Joinville, UFRGS 3261. Previous record: Magalhães 2003.

***Trichodactylus fluviatilis* Latreille, 1828**

Specimens in a collection: Rio Espingarda, National Park Serra do Itajaí, Indaial, UFRGS 3564, 3565, 3566, 3567, 3568, 3569, 3572; Rio "Vananal" (probably Bananal) USNM 71265; Rio Cubatão, Águas Mornas, NHMW 6646; Águas Mornas, MNHN BP-145; Águas Mornas, ZMB 15798; Águas Mornas, ZMB 15797; Novo Horizonte, Lauro Müller, MZUSP 6333; Novo Horizonte, Lauro Müller, INPA 563; São Francisco do Sul, USNM 76758; Joinville, MZUSP 274; Rio Humboldt, Corupá, ZMH K-3568a-b; Rio Humboldt, Corupá, ZMH K-5225; Rio Humboldt, Corupá, BMNH 1910.7.19.1-5; Rio Humboldt, Corupá, NHM 1910.7.29.7-20; Rio Humboldt, Corupá, NHM 1910.7.29.6-11; Rio Humboldt, Corupá, BMNH 1923.7.26.1-15; Águas Mornas, MNHN BP-145; Águas Mornas, ZMB 15798; Águas Mornas, ZMB 15797; Novo Horizonte, Lauro Müller, MZUSP 6333; Novo Horizonte, Lauro Müller, INPA 563; Rio Troncos, tributary of Rio da Prata, Joinville, UFRGS 1053; Joinville, SMF 4321; Jaraguá do Sul, ZMH K-3622; Jaraguá do Sul, ZMH K-3566; Rio Itapocú basin, ZMH K-3565; Jaraguá do Sul, MCSNM 1006; Blumenau, ZMB 8530; Blumenau ZMB 8411; Novo Horizonte, Lauro Müller, MZUSP 6333; Novo Horizonte, Lauro Müller, INPA 563; Alto Palmeiras, Rio dos Cedros MZUSP 6375; Alto Palmeiras, Rio dos Cedros, MZUSP 9508; Timbé do Sul, MZUSP 6294; Praia Grande, Faxinal, UFRGS 1065; roadway to Timbé, Joinville, 26°12'30" S, 48°50'47" W, INPA 874; roadway to Timbé, Joinville, 26°12'30" S, 48°50'47" W, UFRGS 3064, 3068;

Mountain of the Juvenato, Jaraguá do Sul, UFRGS 2380; Rio Araranguá basin, Nova Veneza, 28°40'41"S, 49°36'24"W, UFRGS 3428; Santa Catarina, MNRJ MD-1272; Santa Catarina, NHMW 6647. Previous record: Moreira 1903, Melo 1967, Bott 1969.

***Trichodactylus kensleyi* Rodríguez, 1982**

Specimens in a collection: Rio Iguaçu, Porto União, MZUSP 2302; Arroio Santa Fé, tributary of Rio Uruguai, Itapiranga, UFRGS 1075. Previous record: Magalhães 2003.

***Trichodactylus panoplus* (von Martens, 1869)**

Specimens in a collection: Porto Belo, MCT-PUCRS 788. Previous record: Magalhães 2003.

***Trichodactylus petropolitanus* (Göldi, 1886)**

Specimens in a collection: Rio Pirabeiraba, Joinville, UFRGS 851; Rio das Onças, Garuva, MHNCI 590, 591; Joinville, MHNCI 21, Joinville, MHNG, Joinville, SMF 4326, Joinville, SMF 4324, Joinville, DZ-MZUSP 10743; Rio da Prata, Joinville, UFRGS 1063; "Bananal", MNRJ MD-1174; Rio Novo, tributary of Rio Itapocu, SMF 4325; Rio Novo, tributary of Rio Itapocu, ZMH K-3572; Rio Itapocu basin, Jaraguá do Sul, ZMH K-3618; tributary of do Rio Itapocu, ZMH K-3571; Rio Humboldt basin, nearly Joinville, ZMH K-6770; Rio Humboldt basin, nearly Joinville, ZMH K-6727; Rio Humboldt basin, nearly Joinville, ZMH K-3568a; Corupá, SMF 4323; Corupá, ZMB 21541; Joinville, UFRGS 1054; Rio Humboldt, BMNH 1923.7.26.16-18; Rio Troncos, Joinville, UFRGS 1055; Rio Fleith, tributary of Rio Cubatão, Joinville, UFRGS 1056; Rio Tronn, Joinville, UFRGS 1058; Rio Tronn, Joinville, UFRGS 1059; Rio Tronn, Joinville, UFRGS 1060; Águas Mornas, NHMW 6650; Rio Cubatão, Joinville, 23°13'23" S, 48°50'47" W, INPA 876; Rio Cubatão, Joinville, 26°13'23"S, 48°50'37"W, UFRGS 3069; tributary of Lagoa Ribeirão, Paulo Lopes, 27°59'33"S, 48°40'38"W, UFRGS 3184; Joinville, 26°11'55"S, 48°50'39"W, UFRGS 3554; Santa Catarina, ZMH K-3698, Santa Catarina, MZUSP 1788; Santa Catarina, MZUSP 319. Previous record Bott 1969.

Trichopeltariidae Tavares and Cleva, 2010

***Trichopeltarion pezzutoi* Tavares and Melo, 2005**

Specimens in a collection: Santa Marta Grande Cape, 400-500 m depth (type locality), MZUSP 16714. Previous record: Tavares and Melo 2005; Tavares and Cleva 2010.

Upogebiidae Borradaile, 1903

***Upogebia brasiliensis* Holthuis, 1956**

Previous record: Melo 1999.

***Upogebia omissa* Gomes Corrêa, 1968**

Previous record: Melo 1999.

Varunidae H. Milne Edwards, 1853

***Cyclograpsus integer* H. Milne Edwards, 1837**

Previous records: Almeida and Coelho 2008; Melo 1996.

Xanthidae MacLeay, 1838

***Allactaea lithostrota* Williams, 1974**

Previous record: Melo 1996.

***Cataleptodius floridanus* (Gibbes, 1850)**

Previous records: Melo 1996; Bouzon and Freire 2007; Almeida and Coelho 2008.

***Edwardsium spinimanus* (H. Milne Edwards, 1834)**

Previous records: Melo 1996; Almeida and Coelho 2008.

***Speocarcinus amazonicus* Brandão, Tavares and Coelho Filho, 2010**

Specimens in a collection: Porto Belo, MZUSP 22789.

Previous record: Brandão *et al.* 2010.

***Speocarcinus carolinensis* Stimpson, 1859**

Specimens in a collection: Enseada de Balneário Camboriú, 26°59'07" S, 48°35'58" W, FURG 3255. Previous record: Machado *et al.* 2009.

Isopoda Latreille, 1817

Armadillidae Brandt, 1831

***Cubaris murina* Brandt, 1833**

Specimens in a collection: Timbó, 26°49'39.82" S, 49°16'13.56" W, UFRGS 1499; Blumenau, 26°55'02.28" S, 49°04'28.14" W, UFRGS 1500. Previous record: Araujo *et al.* 1996; Souza-Kury 1998.

Armadillidiidae Brandt, 1833

***Armadillidium vulgare* (Latreille, 1804)**

Specimens in a collection: São Lourenço do Oeste, 26°21'15.01" S, 52°50'58.31" W, UFRGS 1582; Anchieta, 26°32'07.61" S, 53°19'48.45" W, UFRGS 1771; São Miguel d'Oeste, 26°43'52.85" S, 53°31'08.57" W, UFRGS 1591; Xanxerê, 26°52'39.56" S, 52°24'09.30" W, UFRGS 1577; Faxinal dos Guedes, 26°51'09.71" S, 52°15'36.32" W, UFRGS 1586; Ponte Serrada, 26°51'39.46" S, 52°01'48.45" W, UFRGS 1583; Blumenau, 26°55'02.28" S, 49°04'28.14" W, UFRGS 1588; Santa Cecília, 26°57'54.03" S, 50°25'11.39" W, UFRGS 1590; Mondai, 27°06'06.56" S, 53°24'01.37" W, UFRGS 1575; Catanduvas, 27°04'19.71" S, 51°39'31.47" W, UFRGS 1579; Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1580; Itá, 27°16'36.19" S, 52°19'55.24" W, UFRGS 1587; Campos Novos, 27°24'04.89" S, 51°13'23.96" W, UFRGS 1581; Florianópolis, 27°35'47.88" S, 48°31'59.23" W, UFRGS 1589; Lages, 27°49'14.90" S, 50°19'26.87" W, UFRGS 1585; Bom Retiro, 27°47'57.51" S, 49°29'22.04" W, UFRGS 1587; Urussanga, 28°31'18.85" S, 49°19'14.83" W, UFRGS 1584; Sombrio, 29°06'22.63" S, 49°38'07.22" W, UFRGS 1576. Previous record: Araujo *et al.* 1996; Souza-Kury 1998; Araujo 1999. Note: Exotic species.

Balloniscidae Vandel, 1963

***Balloniscus sellowii* (Brand, 1833)**

Specimens in a collection: Papanduva, 26°24'25.71" S, 50°08'32.52" W, UFRGS 1787; Campo Erê, 26°23'44.59" S, 53°04'54.29" W, UFRGS 1780; São Lourenço d'Oeste, 26°21'15.01" S, 52°50'58.31" W, UFRGS 1779; Anchieta, 26°32'07.61" S, 53°19'48.45" W, UFRGS 1781; São Miguel d'Oeste, 26°43'52.85" S, 53°31'08.57" W, UFRGS 1782; Xanxerê, 26°52'39.56" S, 52°24'09.30" W, UFRGS 1778; Faxinal dos Guedes, 26°51'09.71" S, 52°15'36.32" W, UFRGS 1777; Ponte Serrada, 26°51'39.46" S, 52°01'48.45" W, UFRGS 1776; Irani, 27°01'15.38" S, 51°53'04.68" W,

UFRGS 1775; Santa Cecília, 26°57'54.03" S, 50°25'11.39" W, UFRGS 1795; Chapecó, 27°05'48.43" S, 52°37'06.42" W, UFRGS 1783; Catanduvas, 27°04'19.71" S, 51°39'31.47" W, UFRGS 1774; Itá, 27°16'36.19" S, 52°19'55.24" W, UFRGS 1784; Campos Novos, 27°24'04.89" S, 51°13'23.96" W, UFRGS 1773; Florianópolis, 27°35'47.88" S, 48°31'59.23" W, UFRGS 1786; Lages, 27°49'14.90" S, 50°19'26.87" W, UFRGS 1772; Bom Retiro, 27°47'57.51" S, 49°29'22.04" W, UFRGS 1788; Urubici, 28°00'15.23" S, 49°35'17.55" W, UFRGS 1789; São Joaquim, 28°17'32.20" S, 49°56'05.48" W, UFRGS 1794; Bom Jardim da Serra, 28°20'19.97" S, 49°37'30.87" W, UFRGS 1790; Laguna, 28°29'01.89" S, 48°46'50.74" W, UFRGS 1793; Sombrio, 29°06'22.63" S, 49°38'07.22" W, UFRGS 1786; Praia Grande, 29°11'42.68" S, 49°57'09.45" W, UFRGS 1791. Previous record: Araujo *et al.* 1996; Souza-Kury 1998; Araujo 1999.

Bathytropidae Vandel, 1952

***Neotroponiscus argentinus* (Giambiagi de Calabrese, 1939)**

Specimens in a collection: Nova Teutônia, Itá, 27°16'36.19" S, 52°19'55.24" W, SMNH. Previous record: Andersson 1960; Souza-Kury 1998.

***Neotroponiscus plaumanni* (Andersson, 1960)**

Specimens in a collection: Nova Teutônia, Itá, 27°16'36.19" S, 52°19'55.24" W, SMNH. Previous record: Andersson 1960; Souza-Kury 1998.

Bopyridae Rafinesque, 1815

***Anathelges resupinatus* (Müller, 1871)**

Previous record: Brasil-Lima 1998 (parasite of *Pagurus* sp.)

***Bopyrina abbreviata* Richardson, 1904**

Previous record: Markham 1988; Brasil-Lima 1998 (infesting *H. obliquimanus*).

***Probopyria alpehi* (Richardson, 1900)**

Previous record: Brasil-Lima 1998 (parasite of the *Alpheus heterochaelis*, *A. normanni* and *A. viridari*).

Chaetiliidae Dana, 1849

***Chiriscus giambiagiae* (Torti and Bastida, 1972)**

Previous record: Alves and Pezzuto 2009 (cited as *Macrochiridothea giambiagiae*).

Cirolanidae Dana, 1852

***Bathynomus giganteus* A. Milne-Edwards, 1879**

Specimens in a collection: 29°06.18' S, 45°51.08' W, CEPsul 135; 29°05.96' S, 47°45.60' W, 560 m depth, CEPsul 202. Previous record: Soto and Mincarone 2001.

***Bathynomus miyarei* Lemos de Castro, 1978**

Specimens in a collection: 27°46.68' S, 47°05.66' W, 500 m depth, CEPsul 131, 132, 133. Previous records: Loyola e Silva 1999; Soto and Mincarone 2001.

***Excrolana armata* (Dana, 1852)**

Previous record: Loyola and Silva 1999; Alves and Pezzuto 2009.

***Excrolana braziliensis* H. Richardson, 1912**

Previous record: Alves and Pezzuto 2009.

Corallanidae Hansen, 1890

Lanocira kroyeri Hansen, 1890

Specimens in a collection: Marine biological reserve Arvoredo, DZ-UFPR uncatalogued. Previous record: Loyola e Silva *et al.* 2003.

Cymothoidae Leach, 1814

Artystone trysibia Schiodte, 1866

Previous record: Brasil-Lima and Barros 1998.

Dubioniscidae Schultz, 1995

Novamundoniscus meridionalis (Araujo and Buckup, 1994)

Specimens in a collection: São Lourenço d'Oeste, 26°21'15.01" S, 52°50'58.31" W, UFRGS 1769; Mondaí, 27°06'06.56" S, 53°24'01.37" W, UFRGS 1767; Nova Teutônia, 27°03'07.09" S, 52°22'49.86" W, UFRGS 1766, 1768. Previous record: Araujo and Buckup 1994a; Souza-Kury 1998; Araujo 1999 (cited as *Phalloniscus meridionalis*).

Entoniscidae Kossmann, 1881

Cancrion cancrorum (Müller, 1864)

Previous record: Brasil-Lima 1998.

Entione achaei Müller, 1871

Previous record: Brasil-Lima 1998.

Entoniscus creplinii Giard and Bonnier, 1887

Previous record: Brasil-Lima 1998 (parasite of *Polyonyx gibbesi*).

Entoniscus porcellanae Müller, 1862

Previous record: Müller 1862; Brasil-Lima 1998 (parasite of *Porcellana* sp.).

Janiridae Sars, 1897

Heterias (Fritzianira) exul (Müller, 1892)

Previous record: Müller 1892; Lemos de Castro 1977; Bowman *et al.* 1987; Brasil-Lima and Barros 1998; Barros *et al.* 2007.

Philosciidae Kinahan, 1857

Atlantoscia floridana (van Name, 1940)

Specimens in a collection: Timbó, 26°49'39.82" S, 49°16'13.56" W, UFRGS 1754; Blumenau, 26°55'02.28" S, 49°04'28.14" W, UFRGS 1742, 1739; Nova Teutônia, 27°03'07.09" S, 52°22'49.86" W, UFRGS 1758, 1759; Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1753; Pouso Redondo, 27°15'30.35" S, 49°55'48.19" W, UFRGS 1749, 1750; Major Gercino, 27°25'03.10" S, 48°57'09.84" W, UFRGS 1737, 1748; São Bonifácio, 27°53'57.80" S, 48°55'44.06" W, UFRGS 1756, 1757; São Martinho, 28°09'53.89" S, 48°58'47.32" W, UFRGS 1743; Gravatal, 28°19'52.41" S, 49°02'08.33" W, UFRGS 1744, 1746; Urussanga, 28°31'18.85" S, 49°19'14.83" W, UFRGS 1738; Tubarão, 28°29'01.98" S, 49°00'30.90" W, UFRGS 1751,

1752; Sombrio, 29°06'22.63" S, 49°38'07.22" W, UFRGS 1736, 1741; Praia Grande, 29°11'42.68" S, 49°57'09.45" W, UFRGS 1745, 1747. Previous record: Araujo *et al.* 1996.

Benthana picta (Brandt, 1833)

Specimens in a collection: Faxinal dos Guedes, 26°51'09.71" S, 52°15'36.32" W, UFRGS 1704; Ponte Serrada, 26°51'39.46" S, 52°01'48.45" W, UFRGS 1702; Catanduvas, 27°04'19.71" S, 51°39'31.47" W, UFRGS 1700, 1706; Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1701; Campos Novos, 27°24'04.89" S, 51°13'23.96" W, UFRGS 1705; São Joaquim, 28°17'32.20" S, 49°56'05.48" W, UFRGS 1703. Previous record: Araujo *et al.* 1996; Souza-Kury 1998.

Benthana longicornis Verhoeff, 1941

Specimens in a collection: Nova Teutônia, Itá, 27°16'36.19" S, 52°19'55.24" W, SMNH; Nova Teutônia, 27°03'07.09" S, 52°22'49.86" W, UFRGS 1505, 1506. Previous record: Andersson 1960; Araujo *et al.* 1996; Souza-Kury 1998.

Benthana taeniata Araujo and Buckup, 1994

Specimens in a collection: Papanduva, 26°24'25.71" S, 50°08'32.52" W, UFRGS 1507, 1510. Previous record: Souza-Kury 1998; Araujo 1999.

Burmoniscus meeusei (Holthuis, 1947)

Specimens in a collection: Timbó, 26°49'39.82" S, 49°16'13.56" W, UFRGS 1501; Blumenau, 26°55'02.28" S, 49°04'28.14" W, UFRGS 1502; Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1503; Major Gercino, 27°25'03.10" S, 48°57'09.84" W, UFRGS 1504. Previous record: Araujo *et al.* 1996; Souza-Kury 1998.

Platyarthridae Vandel, 1946

Trichorhina acuta Araujo and Buckup, 1994

Specimens in a collection: Itapoá, 26°07'02.72" S, 48°37'00.15" W, UFRGS 1882; Pouso Redondo, 27°15'30.35" S, 49°55'48.19" W, UFRGS 1876; São Bonifácio, 27°53'57.80" S, 48°55'44.06" W, UFRGS 1878. Previous record: Araujo and Buckup 1994b; Souza-Kury 1998; Araujo 1999.

Trichorhina argentina Vandel, 1963

Specimens in a collection: Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1517; Sombrio, 29°06'22.63" S, 49°38'07.22" W, UFRGS 1518. Previous record: Araujo and Buckup 1996b; Araujo 1999.

Trichorhina tatianae Araujo and Almerão, 2007

Specimens in a collection: Morro dos Conventos, Araranguá, 28°56'29.65" S, 49°29'01.06" W, MNRJ 19736; Morro dos Conventos, Araranguá, 28°56'29.65" S, 49°29'01.06" W, UFRGS 4011. Previous record: Araujo and Almerão 2007.

Trichorhina tomentosa (Budde-Lund, 1893)

Specimens in a collection: Blumenau, 26°55'02.28" S, 49°04'28.14" W, UFRGS 1995, 1996; Pouso Redondo, 27°15'30.35" S, 49°55'48.19" W, UFRGS 1998; Tubarão, 28°29'01.98" S, 49°00'30.90" W, UFRGS 1999; Sombrio, 29°06'22.63" S, 49°38'07.22" W, UFRGS 2001. Previous record: Araujo and Buckup 1996a.

Trichorhina bicolor Araujo and Buckup, 1996

Specimens in a collection: São Bonifácio, 27°53'57.80" S, 48°55'44.06" W, UFRGS 2004; Pouso Redondo, 27°15'30.35" S, 49°55'48.19" W, UFRGS 2005; Tubarão, 28°29'01.98" S, 49°00'30.90" W, UFRGS 2003. Previous

record: Araujo and Buckup 1996a.

***Trichorhina brasiliensis* Andersson, 1960**

Specimens in a collection: Nova Teutônia, Itá, 27°16'36.19" S, 52°19'55.24" W, SMNH. Previous record: Andersson 1960; Souza-Kury 1998.

Porcellionidae Brandt, 1831

***Porcellio dilatatus* Brandt, 1833**

Specimens in a collection: Papanduva, 26°24'25.71" S, 50°08'32.52" W, UFRGS 1676; São Lourenço d'Oeste, 26°21'15.01" S, 52°50'58.31" W, UFRGS 1668; Xanxerê, 26°52'39.56" S, 52°24'09.30" W, UFRGS 1667; Faxinal dos Guedes, 26°51'09.71" S, 52°15'36.32" W, UFRGS 1670; Ponte Serrada, 26°51'39.46" S, 52°01'48.45" W, UFRGS 1672; Irani, 27°01'15.38" S, 51°53'04.68" W, UFRGS 1775; Santa Cecília, 26°57'54.03" S, 50°25'11.39" W, UFRGS 1669; Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1671; Itá, 27°16'36.19" S, 52°19'55.24" W, UFRGS 1666; Campos Novos, 27°24'04.89" S, 51°13'23.96" W, UFRGS 1677; Urubici, 28°00'15.23" S, 49°35'17.55" W, UFRGS 1673; São Joaquim, 28°17'32.20" S, 49°56'05.48" W, UFRGS 1674. Previous record: Araujo *et al.* 1996; Souza-Kury 1998. Note: Exotic species.

***Porcellio scaber* Latreille, 1804**

Specimens in a collection: Bom Retiro, 27°47'57.51" S, 49°29'22.04" W, UFRGS 1697. Previous record: Araujo *et al.* 1996; Souza-Kury 1998. Note: Exotic species.

***Porcellio laevis* Latreille, 1804**

Specimens in a collection: Papanduva, 26°24'25.71" S, 50°08'32.52" W, UFRGS 1690; Campos Novos, 27°24'04.89" S, 51°13'23.96" W, UFRGS 1691. Previous record: Araujo *et al.* 1996. Note: Exotic species.

***Porcellionides pruinosus* (Brandt, 1833)**

Specimens in a collection: Papanduva, 26°24'25.71" S, 50°08'32.52" W, UFRGS 1636; São Lourenço d'Oeste, 26°21'15.01" S, 52°50'58.31" W, UFRGS 1637; Anchieta, 26°32'07.61" S, 53°19'48.45" W, UFRGS 1629; São Miguel d'Oeste, 26°43'52.85" S, 53°31'08.57" W, UFRGS 1630; Xanxerê, 26°52'39.56" S, 52°24'09.30" W, UFRGS 1632; Faxinal dos Guedes, 26°51'09.71" S, 52°15'36.32" W, UFRGS 1635; Ponte Serrada, 26°51'39.46" S, 52°01'48.45" W, UFRGS 1640; Timbó, 26°49'39.82" S, 49°16'13.56" W, UFRGS 1631; Chapecó, 27°05'48.43" S, 52°37'06.42" W, UFRGS 1638; Catanduvas, 27°04'19.71" S, 51°39'31.47" W, UFRGS 1627; Nova Teutônia, 27°03'07.09" S, 52°22'49.86" W, UFRGS 1634; Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1626; Pouso Redondo, 27°15'30.35" S, 49°55'48.19" W, UFRGS 1633; Itá, 27°16'36.19" S, 52°19'55.24" W, UFRGS 1628; Campos Novos, 27°24'04.89" S, 51°13'23.96" W, UFRGS 1642; Major Gercino, 27°25'03.10" S, 48°57'09.84" W, UFRGS 1641; São Bonifácio, 27°53'57.80" S, 48°55'44.06" W, UFRGS 1643; Sombrio, 29°06'22.63" S, 49°38'07.22" W, UFRGS 1639; Nova Teutônia, Itá, 27°03'07.09" S, 52°22'49.86" W, SMNH. Previous records: Andersson 1960; Araujo *et al.* 1996; Souza-Kury 1998. Note: Exotic species.

***Porcellionides sexfasciatus* (Koch, 1847)**

Specimens in a collection: Papanduva, 26°24'25.71" S, 50°08'32.52" W, UFRGS 1647; Joaçaba, 27°10'27.60" S, 51°30'24.93" W, UFRGS 1648; Campos Novos, 27°24'04.89" S, 51°13'23.96" W, UFRGS 1649; Bom Jardim da Serra,

28°20'19.97" S, 49°37'30.87" W, UFRGS 1650. Previous record: Araujo *et al.* 1996; Souza-Kury 1998; Araujo 1999. Note: Exotic species.

Sphaeromatidae Latreille, 1825

***Cassidinidea fluminensis* (Mañe-Garzón, 1944)**

Previous record: Loyola e Silva 1999.

***Dynamenella tropica* Loyola e Silva, 1960**

Previous record: Loyola e Silva 1999.

***Pseudophaeroma jakobii* Loyola e Silva, 1959**

Previous record: Loyola e Silva 1999.

***Sphaeromopsis mourei* (Loyola e Silva, 1960)**

Previous record: Loyola e Silva 1999.

Styloniscidae Vandel, 1952

***Pectenoniscus angulatus* Andersson, 1960**

Specimens in a collection: Nova Teutônia, Itá, 27°16'36.19" S, 52°19'55.24" W, SMNH. Previous record: Andersson 1960; Souza-Kury 1998.

Trachelipodidae Strouhal, 1953

***Nagurus cristatus* (Dollfus, 1889)**

Specimens in a collection: Nova Teutônia, 27°03'07.09" S, 52°22'49.86" W, UFRGS 2077; Pouso Redondo, 27°15'30.35" S, 49°55'48.19" W, UFRGS 2075; Major Gercino, 27°25'03.10" S, 48°57'09.84" W, UFRGS 2074; Gravatal, 28°19'52.41" S, 49°02'08.33" W, UFRGS 2076. Previous record: Araujo and Buckup 1996b.

***Nagurus nanus* (Budde-Lund, 1908)**

Specimens in a collection: Gravatal, 28°19'52.41" S, 49°02'08.33" W, UFRGS 2078. Previous record: Araujo and Buckup 1996b.

Mysida Haworth, 1825

Mysidae Haworth, 1825

***Chlamydopleon dissimile* (Coifmann, 1937)**

Previous record: Alves and Pezzuto 2009 (cited as *Bowmaniella brasiliensis*).

Stomatopoda Latreille, 1817

Lysiosquillidae Giesbrecht, 1910

***Lysiosquilla scabricauda* (Lamarck, 1818)**

Specimens in a collection: 26°31.52' S, 48°19.84' W, 40 m depth, CEPsul 59; Barra Sul, Florianópolis, UFRGS 3409. Previous record: Gomes-Corrêa 1998; Tavares 2002a.

Hemisquillidae Manning, 1980

***Hemisquilla braziliensis* (Moreira, 1903)**

Specimens in a collection: Ponta das Canas, Florianópolis, UFRGS 3462. Previous record: Gomes-Corrêa 1998; 1999.

Nannosquillidae Manning, 1980

***Coronis scolopendra* Latreille, 1828**

Previous record: Gomes-Corrêa 1998; 1999.

Squillidae Latreille, 1802

***Cloridopsis dubia* (A. Milne-Edwards, 1837)**

Previous record: Gomes-Corrêa 1998.

***Gibbesia prasinolineata* (Dana, 1852)**

Previous record: Gomes-Corrêa 1998 (cited as *Squilla prasinolineata*).

***Squilla brasiliensis* Calman, 1917**

Specimens in a collection: 26°48.72' S, 46°44.99' W, 206 m depth, CEPSUL 191. Previous record: Gomes-Corrêa 1998; 1999.

***Squilla grenadensis* Manning, 1969**

Previous record: Gomes-Corrêa 1998; Branco and Fracasso 2004; Rodrigues and Young 2005; Freitas Jr. *et al.* 2010.

***Squilla neglecta* Gibbes, 1850**

Specimens in a collection: Porto Belo, UFRGS 3363. Previous record: Gomes-Corrêa 1998; 1999.

Maxillopoda Dahl, 1956

Arguloidea Yamaguti, 1963

Argulidae Yamaguti, 1963

***Argulus spinulosus* Silva, 1980**

Previous record: Malta 1998.

Calanoida G. O. Sars, 1903

Acartiidae Sars, 1900

***Acartia (Acartia) danae* Giesbrecht, 1889**

Previous record: Campaner 1985.

***Acartia lilljeborgii* Giesbrecht, 1889**

Previous record: Veado and Resgalla Jr. 2005; Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

***Acartia tonsa* Dana, 1849**

Previous record: Veado and Resgalla Jr. 2005; Veado *et al.* 2010.

Aetideidae Giesbrecht, 1892

***Paivella naporai* Wheeler, 1970**

Previous record: Campaner 1985.

Augaptilidae Sars G.O., 1905

***Haloptilus longicornis* (Claus, 1863)**

Previous record: Campaner 1985.

Calanidae Dana, 1849

***Calanoides carinatus* (Kroyer, 1849)**

Previous record: Campaner 1985.

***Calocalanus pavo* (Dana, 1852)**

Previous record: Campaner 1985.

***Mesocalanus tenuicornis* (Dana, 1849)**

Previous record: Campaner 1985 (cited as *Calanus tenuicornis*).

***Nannocalanus minor* (Claus, 1863)**

Previous record: Campaner 1985 (cited as *Calanus minor*).

***Undinula vulgaris* (Dana, 1849)**

Previous record: Campaner 1985.

Candaciidae Giesbrecht, 1893

***Candacia curta* (Dana, 1849)**

Previous record: Campaner 1985.

***Candacia pachydactyla* (Dana, 1849)**

Previous record: Campaner 1985.

Centropagidae Giesbrecht, 1892

***Centropages velificatus* (Oliveira, 1947)**

Previous record: Campaner 1985; Veado and Resgalla Jr. 2005; Veado *et al.* 2010.

Clausocalanidae Giesbrecht, 1893

***Clausocalanus furcatus* (Brady, 1883)**

Previous record: Campaner 1985.

***Clausocalanus arcuicornis* (Dana, 1849)**

Previous record: Campaner 1985.

***Clausocalanus parapergens* Frost & Fleminger, 1968**

Previous record: Campaner 1985.

***Ctenocalanus vanus* Giesbrecht, 1888**

Previous record: Campaner 1985.

Diaptomidae Baird, 1850

***Notodiaptomus henseni* (Dahl, 1894)**

Previous record: Santos-Silva 1998.

***Eudiaptomus vulgaris* (Schmeil, 1896)**

Previous record: Veado *et al.* 2010.

Eucalanidae Giesbrecht, 1893

***Subeucalanus pileatus* (Giesbrecht, 1888)**

Previous record: Campaner 1985 (cited as *Eucalanus pileatus*); Veado and Resgalla Jr. 2005 (cited as *Eucalanus pileatus*).

***Pareucalanus sewelli* (Fleminger, 1973)**

Previous record: Campaner 1985 (cited as *Eucalanus sewelli*).

***Euchaeta marina* (Prestandrea, 1833)**

Previous record: Campaner 1985.

Heterorhabdidae Sars G.O., 1902

***Heterorhabdus papilliger* (Claus, 1863)**

Previous record: Campaner 1985.

Lucicutiidae Sars G.O., 1902

***Lucicutia flavicornis* (Claus, 1863)**

Previous record: Campaner 1985.

Paracalanidae Giesbrecht, 1893

***Paracalanus aculeatus* Giesbrecht, 1888**

Previous record: Campaner 1985.

***Paracalanus indicus* Wolfenden, 1905**

Previous record: Campaner 1985.

***Paracalanus nanus* (G. O. Sars, 1907)**

Previous record: Veado and Resgalla Jr. 2005.

***Paracalanus quasimodo* Bowman, 1971**

Previous record: Veado and Resgalla Jr. 2005; Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

***Parvocalanus crassirostris* (F. Dahl, 1894)**

Previous record: Veado and Resgalla Jr. 2005; Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

Phaennidae Sars, 1902

***Phaenna spinifera* Claus, 1863**

Previous record: Veado and Resgalla Jr. 2005.

***Xanthocalanus marlyae* Campaner, 1978**

Previous record: Campaner 1985.

Pontellidae Dana, 1852

***Calanopia americana* F. Dahl, 1894**

Previous record: Veado and Resgalla Jr. 2005; Veado *et al.* 2010.

***Labidocera fluviatilis* F. Dahl, 1894**

Previous record: Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

***Labidocera nerii* (Krøyer, 1849)**

Previous record: Veado *et al.* 2010.

Pseudodiaptomidae Sars, 1902

***Pseudodiaptomus acutus* (Dahl F., 1894)**

Previous record: Veado *et al.* 2010.

***Pseudodiaptomus richardi* (Dahl F., 1894)**

Previous record: Veado and Resgalla Jr. 2005; Veado *et al.* 2010.

Scolecitrichidae Giesbrecht, 1893

***Amalothrix tenuiserrata* (Giesbrecht, 1893)**

Previous record: Campaner 1985 (cited as *Scolecithricella tenuiserrata*).

***Scolecithrix danae* (Lubbock, 1856)**

Previous record: Campaner 1985.

Temoridae Giesbrecht, 1893

***Temora stylifera* (Dana, 1849)**

Previous record: Campaner 1985; Veado and Resgalla Jr. 2005; Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

***Temora turbinata* (Dana, 1849)**

Previous record: Resgalla Jr. 2001; Veado and Resgalla Jr. 2005; Resgalla Jr. *et al.* 2008; Veado *et al.* 2010. Note: Exotic species.

Cyclopoida Burmeister, 1834

Cyclopidae Dana, 1846

***Acanthocyclops michaelsoni* (Mrazek, 1901)**

Specimens in a collection: Rio Espingarda, Nacional Park of the Serra do Itajaí, 27°01'25.97" S, 49°09'08.71" W, UFRGS 3574.

***Ectocyclops phaleratus* (Koch, 1838)**

Previous record: Rocha and Botelho 1998.

***Eucyclops delachauxi* (Kiefer, 1925)**

Previous record: Veado *et al.* 2010.

***Eucyclops serrulatus* (Fischer, 1851)**

Previous record: Rocha and Botelho 1998.

***Macrocylops albidus* (Jurine, 1820)**

Previous record: Rocha and Botelho 1998; Veado *et al.* 2010.

***Megacyclops viridis* (Jurine, 1820)**

Previous record: Veado *et al.* 2010.

***Mesocyclops aspericornis* (Daday, 1906)**

Previous record: Veado *et al.* 2010.

***Mesocyclops leuckarti* (Claus, 1857)**

Previous record: Rocha and Botelho 1998.

***Mesocyclops longisetus* (Thiébaud, 1912)**

Previous record: Veado *et al.* 2010.

***Mesocyclops meridianus* (Kiefer, 1926)**

Previous record: Serafim-Júnior *et al.* 2006; Veado *et al.* 2010.

***Metacyclops brauni* Herbst, 1962**

Previous record: Veado *et al.* 2010.

***Metacyclops mendocinus* (Wierzejski, 1892)**

Previous record: Veado *et al.* 2010.

***Microcylops anceps* (Richard, 1897)**

Previous record: Serafim-Júnior *et al.* 2006; Veado *et al.* 2010.

***Microcylops ceibaensis* (Marsh, 1919)**

Previous record: Serafim-Júnior *et al.* 2006; Veado *et al.* 2010.

***Microcylops finitimus* Dussart, 1984**

Previous record: Veado *et al.* 2010.

***Paracyclops chiltoni* (G. M. Thomson, 1883)**

Previous record: Serafim-Júnior *et al.* 2006.

***Thermocyclops brehmi* (Kiefer, 1927)**

Previous record: Veado *et al.* 2010.

***Thermocyclops decipiens* (Kiefer, 1929)**

Previous record: Veado *et al.* 2010.

***Tropocyclops prasinus* (Fischer, 1860)**

Specimens in a collection: Rio Garcia, Nacional Park of the Serra do Itajaí, 27°03'38.99" S, 49°06'43.50" W, UFRGS 3576; Rio Garrafa, Nacional Park of the Serra do Itajaí, 27°03'48.42" S, 49°05'42.26" W, UFRGS 3573. Previous record: Serafim-Júnior *et al.* 2006; Veado *et al.* 2010.

***Tropocyclops schubarti* Kiefer, 1935**

Previous record: Veado *et al.* 2010.

Oithonidae Dana, 1853

***Oithona oswaldocruzi* Oliveira, 1945**

Previous record: Rocha and Botelho 1998; Veado and Resgalla Jr. 2005; Resgalla Jr. *et al.* 2008.

***Oithona ovalis* Herbst, 1955**

Previous record: Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

***Oithona plumifera* Baird, 1843**

Previous record: Rocha and Botelho 1998; Veado and Resgalla Jr. 2005; Resgalla Jr. *et al.* 2008; Veado *et al.* 2010.

***Oithona robusta* Giesbrecht, 1891**

Previous record: Campaner 1985.

***Oithona setigera* Dana, 1852**

Previous record: Campaner 1985.

Harpacticoida G. O. Sars, 1903

Aegisthidae Giesbrecht, 1893

***Aegisthus mucronatus* Giesbrecht, 1891**

Previous record: Reid 1998.

Clytemnestridae Scott, 1909

***Clytemnestra rostrata* (Brady, 1883)**

Previous record: Reid 1998; Resgalla Jr. *et al.* 2008.

***Clytemnestra scutellata* Dana, 1849**

Previous record: Reid 1998.

Diosaccidae G. O. Sars, 1906

***Robertsonia mourei* M. H Nogueira, 1961**

Previous record: Reid 1998.

Ectinosomatidae Sars, 1903

***Ectinosoma dentatum* Steuer, 1940**

Previous record: Reid 1998.

***Microsetella norvegica* (Boeck, 1865)**

Previous record: Reid 1998.

***Microsetella rosea* (Dana, 1848)**

Previous record: Veado *et al.* 2010.

Euterpinidae Brian, 1921

***Euterpina acutifrons* (Dana, 1849)**

Previous record: Reid 1998; Veado and Resgalla Jr. 2005; Resgalla *et al.* 2008; Veado *et al.* 2010.

Harpacticidae Dana, 1846

***Harpacticus poppei* Richard, 1897**

Previous record: Reid 1998.

Laophontidae Scott, 1905

***Heterolaophonte hamata* Jakobi, 1954**

Previous record: Reid 1998.

***Heterolaophonte manifea* (C. B. Wilson, 1931)**

Previous record: Reid 1998.

***Loureiophonte catharinensis* Jakobi, 1953**

Previous record: Reid 1998.

***Loureiophonte paranaensis* Jakobi, 1953**

Previous record: Reid 1998.

***Mourephonte longiset* (Nicholls, 1941)**

Previous record: Reid 1998.

***Paralaophonte lacerdai* Jakobi, 1953**

Previous record: Reid 1998.

***Onychocamptus besnardi* Jakobi, 1954**

Previous record: Reid 1998.

Louriniidae Monard, 1927

***Lourinia armata* (Claus, 1866)**

Previous record: Reid 1998.

Miraciidae Dana, 1846

***Macrosetella gracilis* (Dana, 1847)**

Previous record: Reid 1998; Veado and Resgalla Jr. 2005; Resgalla *et al.* 2008.

***Miracia efferata* Dana, 1849**

Previous record: Reid 1998.

Orthopsyllidae Huys, 1990

***Orthopsyllus improportionatus* (Jakobi, 1954)**

Previous record: Reid 1998.

Parastenocarididae Chappuis, 1933

***Parastenocaris brasilibathynellae* Jakobi and Loyola e Silva, 1962**

Previous record: Reid 1998.

***Parastenocaris hurdi* Jakobi and Loyola e Silva, 1962**

Previous record: Reid 1998.

Tegastidae G. O. Sars, 1904

***Parategastes herteli* Jakobi, 1953**

Previous record: Reid 1998.

***Parategastes sphaericus punicus* Monard, 1935**

Previous record: Reid 1998.

***Tegastes brasiliensis* Jakobi, 1953**

Previous record: Reid 1998.

Tisbidae Stebbing, 1910

***Scutellidium longicauda paranaense* Steudel, 1970**

Previous record: Reid 1998.

***Scutellidium loureiroi* Jakobi, 1954**

Previous record: Reid 1998.

Thalestridae G. O. Sars, 1905

***Diarthrodes falcipes* Marinoni, 1964**

Previous record: Reid 1998.

Kentrogonida Delage, 1884

Lernaeodiscidae Boschma, 1928

***Lernaeodiscus porcellanae* Müller, 1862**

Previous record: Young 1998 (Parasite of the porcellanid crustaceans *Petrolisthes galathinus*, *P. cabrilloi*, and *P. armatus*).

Peltogastridae Lilljeborg, 1860

***Peltogaster purpureus* (Müller, 1862)**

Previous record: Young 1998 (Parasite of an unidentified species of Paguroidea).

***Peltogastrella sulcata* (Lilljeborg, 1859)**

Previous record: Young 1998 (cited as *Peltogaster socialis*).

Lepadiformes Buckeridge and Newman, 2006

Lepadidae Darwin, 1852

***Lepas anatifera* Linnaeus, 1758**

Previous record: Young 1998; 1999.

***Lepas anserifera* Linnaeus, 1767**

Previous record: Young 1998; 1999.

***Dosima fascicularis* (Ellis and Solander, 1786)**

Previous record: Young 1998; 1999.

Poecilasmatidae Annandale, 1909***Poecilasma inaequilaterale* Pilsbry, 1907**

Previous record: Young 1998.

Poecilostomatoida Thorell, 1859**Clausidiidae Embleton, 1901*****Hemicyclops thalassius* Vervoort and Ramírez, 1966**

Previous record: Veado and Resgalla Jr. 2005.

Corycaeidae Dana, 1852***Corycaeus amazonicus* Dahl F., 1894**

Previous record: Campaner 1985.

***Corycaeus giesbrechti* F. Dahl, 1894**

Previous record: Campaner 1985.

***Corycaeus speciosus* Dana, 1849**

Previous record: Campaner 1985.

***Corycaeus typicus* (Kroyer, 1849)**

Previous record: Campaner 1985.

***Farranula gracilis* (Dana, 1849)**

Previous record: Campaner 1985.

Oncaeidae Giesbrecht, 1893***Oncaea venusta* Philippi, 1843**

Previous record: Campaner 1985; Veado and Resgalla Jr. 2005.

Sapphirinidae Thorell, 1859***Copilia mirabilis* Dana, 1852**

Previous record: Campaner 1985.

Scalpelliformes Buckeridge and Newman, 2006**Scalpellidae Pilsbry, 1907*****Arcoscalpellum boubalocerus* Young, 1992**

Previous record: Young 1998; 1999.

***Hamatoscalpellum rathbunae* (Pilsbry, 1907)**

Previous record: Young 1998.

***Litoscalpellum henriquecostai* (Weber, 1960)**

Previous record: Young 1998; 1999.

***Octolasmis lowei* (Darwin, 1851)**

Previous record: Young 1998; 1999.

Siphonostomatoida Thorell, 1859**Lernaeopodidae H. Milne Edwards, 1840*****Brachiella thynni* Cuvier, 1830**

Previous record: Ho 1998; Luque and Tavares 2007

(parasitic on the fins of *Acanthocybium solandri*,*Argyrosomus regium*, *Pomatomus saltatrix*, *Sciaena aquila*,*Scomberomorus cavalla*, *S. regalis*, *Thunnus albacares*, *T.**obesus*, and *T. thynnus*).***Minilernaea floricapitella* Thatcher and Huergo, 2005**Previous record: Luque and Tavares 2007; Thatcher and Huergo 2005 (parasitic on the body surface and near fins of *Astyanax* sp., *Corydoras ehrhardti*).**Pandaridae H. Milne Edwards, 1840*****Pandarus floridanus* Cressey, 1967**Previous record: Luque and Tavares 2007 (parasitic on the body surface of *Prionace glauca*).***Pandarus satyrus* Dana, 1849**Previous record: Luque and Tavares 2007 (parasitic on the body surface of *Prionace glauca*).**Sessilia Lamarck, 1818****Archaeobalanidae Newman and Ross, 1976*****Conopea galeata* (Linnaeus, 1771)**

Previous record: Young 1998.

Balanidae Leach, 1817***Balanus amphitrite* Darwin, 1854**

Previous record: Young 1998; 1999.

***Balanus improvisus* Darwin, 1854**

Previous record: Young 1998; 1999.

***Balanus spongicola* Brown, 1844**

Previous record: Young 1998; 1999.

***Balanus trigonus* Darwin, 1854**

Previous record: Young 1998; 1999.

***Balanus venustus* Darwin, 1854**

Previous record: Young 1998; 1999.

***Fistulobalanus citerosum* (Henry, 1974)**

Previous record: Young 1998; 1999.

***Megabalanus coccopoma* (Darwin, 1854)**

Previous record: Young 1998; 1999; Severino and Resgalla Jr. 2005. Note: Exotic species.

***Megabalanus tintinnabulum* (Linnaeus, 1758)**

Specimens in a collection: Marissol beach, Imbituba, UFRGS 3464. Previous record: Young 1998; 1999.

Megabalanus vesiculosus* Darwin, 1854** Previous record: Young 1998.**Chthamalidae Darwin, 1854**Chthamalus bisinuatus* Pilsbry, 1916**

Previous record: Young 1998; 1999.

***Chthamalus proteus* Dando and Southward, 1980**

Previous record: Young 1998.

Chelonibiidae Pilsbry, 1916***Chelonibia patula* (Ranzani, 1818)**

Previous record: Young 1998.

***Chelonibia testudinaria* (Linnaeus, 1757)**

Previous record: Young 1998; 1999.

Tetracitidae Gruvel, 1903

***Tetracita stalactifera* (Lamarck, 1818)**

Previous record: Young 1998; 1999.

Ostracoda Latreille, 1802

Podocopida Sars, 1866

Cytherideidae Sars, 1925

***Cyprideis multidentata* Hartmann, 1955**

Previous record: Martens *et al.* 1998.

***Cytherura purperae* Ornellas and Fallavena, 1978**

Previous record: Martens *et al.* 1998.

***Perissocytheridae krommelbeini* Pinto and Ornellas, 1970**

Previous record: Martens *et al.* 1998.

Darwinulidae Brady and Norman, 1889

***Darwinula serricaudata espinosa* Pinto and Kotzian, 1961**

Specimens in a collection: Rio Espingarda, Nacional Park of the Serra do Itajaí, 27°01'25.97" S, 49°09'08.71" W, UFRGS 3578.

Eucandonidae Swain, 1961

***Pseudocandona pumilis* Würdig and Pinto, 1999**

Specimens in a collection: Rio Garcia, Nacional Park of the Serra do Itajaí, 27°03'38.99" S, 49°06'43.50" W, UFRGS 3577; Rio Espingarda, Nacional Park of the Serra do Itajaí, 27°01'25.97" S, 49°09'08.71" W, UFRGS 3579.

Limnocytheridae Klie, 1938

***Elpidium bromeliarum* Müller, 1880**

Previous record: Müller, 1880b; Martens *et al.* 1998.

Neocytherideidae Puri, 1957

***Minicythere heinii* Ornellas, 1974**

Previous record: Martens *et al.* 1998.

For the first time, the following 19 species were recorded in Santa Catarina: *Acanthocyclops michaelseni* (Mrazek, 1901); *Pseudocandona pumilis* Würdig and Pinto, 1999; *Darwinula serricaudata espinosa* Pinto and Kotzian, 1961; *Aegla brevipalma* Bond-Buckup and Santos, 2012; *A. camargoi* Buckup and Rossi, 1977; *A. leachi* Bond-Buckup and Santos, 2012; *A. leptodactyla* Bond-Buckup and Buckup, 1994; *A. oblata* Bond-Buckup and Santos, 2012; *A. serrana* Buckup and Rossi, 1977; *A. singularis* Ringuelet, 1948; *Alpheus bouvieri* A. Milne-Edwards, 1878; *Panulirus laevicauda* (Latreille, 1817); *Plesionika edwardsii* (Brandt, 1851); *Latreutes parvulus* (Stimpson, 1866); *Uca burgesi* Holthuis, 1967; *Uca mordax* (Smith, 1870); *Pilumnus quoii* H. Milne Edwards, 1834; *Megalobrachium roseum* (Rathbun, 1900) and *Rochinia crassa* (A. Milne-Edwards, 1879).

Decapoda was the largest order with 280 species listed, that corresponds to about 50% of decapod species known in Brazil (Amaral and Jablonski 2005).

Regarding to the richness of marine decapods, the coast of Santa Catarina (25°8' - 29°19' S), situated to the north of the Santa Marta Grande Cape (28°40'S), is characterized by the influence of the Brazil current, that carries tropical water (> 20° C), by the supply of freshwater and by the South Central Atlantic water (<20° C). The south of the Santa Marta Grande Cape is influenced mainly by the Subtropical Convergence between the Brazil and Malvinas currents, with seasonal variations in distribution of water masses (Emilson 1961; Carvalho *et al.* 1998; Amaral and Jablonski 2005). Furthermore the coast of Santa Catarina is under influence of tropical and temperate climates, a transition condition that favors the richness of Crustacea species in the region. This condition is also observed in the austral limit of mangrove in Brazilian coast, located in the south of Santa Catarina (Schaeffer-Novelli *et al.* 1990).

Following the classification provided by Melo (1985), in terms of latitudinal distribution, the categories of species were recorded for the Brachyura (Decapoda) listed in this study: amphi-American (e.g. *Aratus pisonii*, *Pilumnus reticulatus*, *Pyromaia tuberculata*), amphi-Atlantic (e.g. *Moreiradromia antillensis*, *Apiomithrax violaceus*, *Callapa galloides*, *Cataleptodius floridanus*, *Goniopsis cruentata*, *Hepatus pudibundus*, *Homola barbata*, *Menippe nodifrons*, *Pachygrapsus gracilis*), circumtropical (e.g. *Cronius ruber*, *Ovalipes trimaculatus*, *Cyclograpsus integer*, *Pachygrapsus transversus*, *Planes cyaneus*) and Western Atlantic (e.g. *Holothuriophilus tomentosus*, *Pilumnoides coelhoi*, *Trichopeltarion pezzutoi*).

Likewise, brachyuran species were observed from different zoogeographic provinces (Melo 2010; Bochi 2000; Bochi and Gavio 2005): Magellan (e.g. *Collodes rostratus*, *Corystoides chilensis*, *Leurocyclos tuberculosus*, *Eurypodius latreillei*), Argentinian (e.g. *Libinia spinosa*, *Pelia rotunda*, *Podochela atlantica*, *Rochinia gracilipes*, *Spinolambrus fraterculus*), Carolinian (e.g. *Achelous spinicarpus*, *Callinectes danae*, *Hexapanopeus paulensis*, *Mesorhea sexspinosa*, *Microphrys bicornutus*, *Stenorhynchus seticornis*) and Virginian (e.g. *Achelous spinimanus*, *Arenaeus cribrarius*, *Callinectes ornatus*, *Persephona mediterranea*, *Spinolambrus pourtalesii*).

It's highlighted the fact that the continental shelf of Santa Catarina state has been considered as part of the Argentinian zoogeographic province due to the estuaries influence, especially Lagoa dos Patos and Río de La Plata, that consequently influences the distribution of decapod species, besides the interaction between the Malvinas and Brazil Current, in the outer shelf and slope (Bochi 2000).

The families of Decapoda with the greatest number of species recorded were: Aeglidae (19), Palaemonidae (13) and Portunidae (13).

From the total of 19 species of the genus *Aegla* present in the Santa Catarina state, seven were cited for the first time. These species represent nearly 50% of known species of the genus in Brazil (Bond-Buckup 2003, Bond-Buckup 2010). The species inhabits exclusively rivers and streams with clean and well oxygenated waters and are considered good indicators of environmental quality (Bond-Buckup, 2003). However, the increasing deterioration of these

environments has threatened several species. In a recent assessment of the crustaceans' conservation in Brazil (Magris *et al.* 2010), 12 species of this genus have been evaluated and categorized as threatened. Therefore, the information about distributions that this checklist refers to is an important contribution to assessing the risk of extinction of these species and also for environmental quality assessment in watersheds where they occur.

It is important to cite that some records of exotic species were also evidenced: *Armadillidium vulgare*, *Porcellio dilatatus*, *Porcellio scaber*, *Porcellio laevis*, *Porcellionides pruinosus*, *Porcellionides sexfasciatus*, *Temora turbinata*, *Megabalanus coccopoma* and *Charybdis hellerii*. Among the exotic species, terrestrial Isopoda showed the highest number of species recorded (6), with original distribution from Europe, following the human presence in the field or in towns (Leistikow and Wagele 1999).

In conclusion, Santa Catarina state constitutes a particular region for the study of Crustacea in the land, rivers or sea. This can be observed by the presence of terrestrial Isopoda, an important part of nutrient cycling and soil formation (Quadros and Araujo 2008), by the diversity of Aeglidae in streams and, also, by the special oceanographic conditions, that make possible the occurrence of decapods with different environmental requirements or origin.

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