



Contribution to the knowledge of digger wasps (Hymenoptera: Crabronidae, Sphecidae) of Gdańsk Pomerania

Piotr OLSZEWSKI¹ and Jan Krzysztof KOWALCZYK²

¹Department of Ecology and Biogeography, Faculty of Biological and Veterinary Sciences, Nicolaus Copernicus University, Lwowska 1, 87-100 Toruń, Poland; corresponding author: thecla@wp.pl

²Jana Matejki 13 m. 45, 81–407 Gdynia, Poland

Abstract: The paper presents information about the occurrence of digger wasps in the Pomeranian Lake District and on the Baltic Coast. Samples were collected from 1983 to 2016. The study yielded a total of 127 species (about 53% of Polish fauna) belonging to 35 genera; were recorded 22 species are new for the Baltic Coast and 2 are new for the Pomeranian Lake District. Also, 22 of the species identified are on the Red List of Threatened Animals in Poland: *Ammophila pubescens* Curtis, 1836, *Bembix rostrata* (Linnaeus, 1758), *Cerceris ruficornis* (Fabricius, 1793), *Crossocerus congener* (Dahlbom, 1845), *C. heydeni* Kohl, 1880, *C. pullulus* (A. Morawitz, 1866), *C. styrius* (Kohl, 1892), *C. tarsatus* (Shuckard, 1837), *Didineis lunicornis* (Fabricius, 1798), *Dolichurus corniculus* (Spinola, 1808), *Dryudella pinguis* (Dahlbom, 1832), *Ectemnius fossorius* (Linnaeus, 1758), *Gorytes fallax* Handlirsch, 1888, *Harpactus tumidus* (Panzer, 1801), *Lestica alata* (Panzer, 1797), *Mimumesa beaumonti* (van Lith, 1949), *Miscophus ater* Lepeletier, 1845, *Nysson niger* Chevrier, 1868, *Oxybelus variegatus* Wesmael, 1852, *Pemphredon austriaca* (Kohl, 1888), *Tachysphex fulvitaris* A. Costa, 1867 and *T. psammobius* (Kohl, 1880).

Key words: Hymenoptera, Crabronidae, Sphecidae, new records, Eastern Pomerania, Northern Poland

INTRODUCTION

In the world fauna, there are 10,007 species of digger wasps (Pulawski 2019), 241 of which are found in Poland (Olszewski et al. in press). These insects are morphologically diverse, with sizes ranging from 2 to 30 mm. All of those in the Polish fauna lead a solitary life. The majority of females hunt for insects or spiders as food for larvae, but there are some *Nysson* species that have lost their hunting instinct, becoming specialized in entering the nests of other species and laying their eggs on their host victims (Bohart & Menke 1976). Adult digger wasps feed mainly on nectar and aphid secretions, sometimes on their hosts. The distribution of digger wasps in Poland is very uneven. The latest faunistic research was conducted in the Baltic Coast (Ciechanowski et al. 2008, Kowalczyk 2006, Kowalczyk & Twerd 2011) and Pomeranian Lakeland (Ciechanowski et al. 2001, Ciechanowski et al. 2004, Kowalczyk 2004). The data in the present paper provide information on the occurrence of digger wasps in the Pomeranian Lakeland and on the Baltic Coast collected by the second author in the years 1983–2016.

As in a previous paper on soldier flies (Diptera, Stratiomyidae) (Żóralski & Kowalczyk 2018), ‘Gdańsk Pomerania’ is here taken to be the area of the former Province of Gdańsk within its boundaries from 1957 to 1975. The first information on the occurrence of individual sphecid wasps in Pomerania is contained in Siebold (1839) and Brischke (1862, 1865, 1888); more accurate data from the late nineteenth century to World War II from the Pomeranian Lakeland are included in the papers by Lüderwaldt (1897), Müller (1918) and Paul (1941).

MATERIAL AND METHODS

The material was obtained by sweeping with an entomological net in 1983–2016. The specimens are deposited in the authors' collections. The nomenclature and systematics in this work are consistent with W. J. Pulawski's Catalogue of Sphecidae 'sensu lato' (2019). The species within the two families are listed in alphabetical order. The information for each species is given as follows: locality/localities on the Baltic Coast and/or in the Pomeranian Lakeland; all the faunistic regions of Poland (Wiśniowski 2004, Olszewski et al. in press) in which the species has been recorded to date; first record(s) for the Baltic Coast and/or the Pomeranian Lakeland; red list status (Skibińska 2002). The material is deposited in the collection of the first author.

Localities (the UTM codes are given after the locality names)**Baltic Coast:**

ARK – Gdynia, 'Arka' [Arka Tennis Club] UTM: CF44; BEK – Beka Reserve, Coastal Landscape Park, UTM: CF35; BER – Polana Bernadowo, UTM: CF33; CHA – Chałupy, UTM: CF37; CZE – Sopot, Czyżewskiego St., UTM: CF43; DBR – Gdynia-Dąbrowa: small protected area, UTM: CF33; DOR – Gdańsk, Dolina Radości, UTM: CF33; GDK – Gdynia, Dolina Kaczej, UTM: CF33; GDO – Gdynia, Orłowo, UTM: CF43; GKI – Gdynia, Kielecka St., UTM: CF34; GKO – Gdynia, Kopernika St., UTM: CF44; GNO – Gdynia, Norwida St., UTM: CF44; GOK – Gdynia, Oksywie, UTM: CF44; GPA – Gdynia, Partyzantów St., UTM: CF44; GRO – Sopot, Grodzisko, UTM: CF43; GSL – Gdynia, Śląska St., UTM: CF34; GST – Gdynia, Strzelców St., UTM: CF33; GSY – Gdynia, Syrokomli St., UTM: CF44; GWI – Gdynia, Witomino, UTM: CF34; JAS – Jastarnia, UTM: CF56; JKA – Gdynia-Wielki Kack, 'Jeziro Kackie' small protected area, UTM: CF33; JUR – Jurata, UTM: CF56; KAT – Mierzeja Wiślana (Vistula Spit), Kąty Rybackie, UTM: CF82; KAR – Karwia, UTM: CF27; KEP – Gdynia: Kępa Redłowska Nature Reserve, UTM: CF44; KŁY – Torfowe Kłyle, UTM: CF46; KOL – Gdynia, Kolibki, UTM: CF43; KRK – Tri-City Landscape Park, Polana Krykulec, UTM: CF34; ŁPO – Sopot 'Łysa Polana', UTM: CF43; ŁYG – Sopot-Łysa Góra, UTM: CF43; MEW – Mierzeja Wiślana (Vistula Spit), Mewia łacha Nature Reserve, UTM: CF62; MIŁ – Michałowo Nature Reserve, UTM: CF44; ONK – Gdynia, Orłowo nad Kaczą, UTM: CF43; OSŁ – Coastal Landscape Park: Osłonino, UTM: CF36; POL – Gdynia-Redłowo: Polanka Redłowska, UTM: CF44; RDŁ – Gdynia-Redłowo, UTM: CF44; RKŁ – Kacze Łęgi Nature Reserve, UTM: CF34; SAM – Tri-City Landscape Park, Dolina Samborowo UTM: CF42; SŁO – Coastal Landscape Park, Słone Łąki Nature Reserve UTM: CF37; TTA – Tri-City Landscape Park, Tasza, UTM: CF33; WIC – Gdynia, Wiczlino, UTM: CF34; WKM – Sopot, Wzgórze Królowej Marysienki, UTM: CF44; ZAM – Zameczysko, UTM: CF33; ZAW – Sopot, Zajęcze Wzgórze Nature Reserve, UTM: CF43; ZIE – Tri-City Landscape Park, Zielona Dolina, UTM: CF42; ZMA – Gdynia, Źródło Marii, UTM: CF42.

Pomeranian Lakeland:

BIG – Biała Góra Nature Reserve, UTM: CE67; DZS – Dolina Zagórskiej Strugi, UTM: CF24; GAR – Garcz, UTM: CF12; KWO – Kwidzyńskie Ostnice Nature Reserve, UTM: CE65; MIR – Mirachowo, UTM: CF03; NIE – Niepoczołowice, UTM: XA83; PIE – Tri-City Landscape Park, L. Piekiełko, UTM: CF24; PRZ – Przyjaźń Nature Reserve, UTM: CF32; RES – Tri-City Landscape Park, Reszki UTM: CF24; ROW – Słowiński National Park, Rowy, UTM: XA36; STZ – Staniszewskie Zdroje Nature Reserve, UTM: CF03; TBI – Tri-City Landscape Park, Biała, UTM: CF25; TNA – Tri-City Landscape Park, Nadrzecze, UTM: CF24.

Other abbreviations: JKK – Jan Krzysztof Kowalczyk, BS – Bogusław Soszyński.

RESULTS

A total of 127 species from the families Ampulicidae, Crabronidae and Sphecidae in Eastern Pomerania (Polish: Pomorze Gdańskie; German: Pomerellen). This makes up about 53% of the Polish fauna of these families.

Family: Ampulicidae Shuckard, 1840

1. *Dolichurus corniculus* (Spinola, 1808)

Material examined: GAR, 27 Jul 1990 – 1♀, 21 Jul 1997 – 1♀, 27 Jun 1998 – 1♀, 27 VII 1999 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

Family Crabronidae Latreille 1802

2. *Alysson spinosus* (Panzer, 1801)

Material examined: ARK, 9 Sep 1989 – 1♂, 20 Jun 1992 – 1♀ and 1♂, 14 Jul 1994 – 2♀♀, 15 Jul 1994 – 1♂, 22 Jul 1999 – 1♀ and 1♂, 17 Aug 2002 – 1♀ and 1♂, 8 Aug 2013 – 1♀, 6 Jul 2014 – 2♂♂, leg. JKK; ZAW, 25 Aug 1995 – 1♀, leg. JKK; BIG, 26 Jul 2001 – 2♀, leg. JKK; ZAM, 31 Jul 2001 – 1♀, 5 Sep 2001 – 1♀, leg. JKK; POL, 7 Aug 2002 – 1♀, 3 Jul 2014 – 3♂♂, 22 Jul 2015 – 1♀, leg. JKK; GKI, 26 Aug 2009 – 1♀, 21 Jun 2010 – 1♂, leg. JKK; GSL, 5 Jul 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

3. *Argogorytes mystaceus* (Linnaeus, 1761)

Material examined: ARK, 12 Jun 1989 – 1♀, 19 Jun 1992 – 1♀, 31 May 2002 – 1♀, 15 Jun 2013 – 1♀ leg. JKK; ZAW, 8 Jul 1996 – 1♀, leg. JKK; MIR, 20 Jun 1997 – 1♀, 24 Jun 1998 – 1♀, leg. JKK; SAM, 17 Jun 2003 – 1♂, leg. JKK; POL, 29 May 2009 – 1♀, leg. JKK; KEP, 15 Jun 2009 – 1♀, leg. JKK; BEK, 6 Jun 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

4. *Astata boops* (Schrank, 1781)

Material examined: KEP, 11–12 Jun 1993 – 2♂♂, leg. JKK; BEK, 24 Jul 2012 – 1♂, leg. JKK; ARK, 14 Jul 1994 – 1♀, 2 Jul 2012 – 1♂, 6 Jul 2012 – 1♂, leg. JKK; GAR, 19 Sep 1994 – 1♀, 29 Aug 1996 – 1♀, 21 Jul 1997 – 1♀, 23 Jul 1997 – 1♀, leg. JKK; ZAM, 7 Sep 2001 – 1♀, leg. JKK; GSL, 30 Jul 2003 – 2♂♂, 19 Jun 2004 – 1♂, 1 Aug 2010 – 1♀, 3 Sep 2010 – 1♀, leg. JKK; ŁYG, 2 Aug 2003 – 1♀, 3 Aug 2003 – 1♀, leg. JKK; ONK, 1 Sep 2005 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

5. *Astata minor* Kohl, 1884

Material examined: ARK, 19 Jun 1992 – 1♂, 21 Jun 1992 – 1♂, leg. JKK; GAR, 21 Jul 1997 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

6. *Bembix rostrata* (Linnaeus, 1758)

Material examined: BIG, 25 Jul 2001 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland and Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia and Wielkopolska-Kujawy Lowland. Classified as vulnerable (VU) on the Red List of Threatened Animals in Poland.

7. *Cerceris arenaria* (Linnaeus, 1758)

Material examined: ARK, 20 Jun 1992 – 1♂, 22 Jul 1994 – 1♂, 26 Aug 2012 – 1♂, leg. JKK; KEP, 11–12 Jun 1993 – 1♂, leg. JKK; ŁYG, 25 Jul 1994 – 1♀, leg. JKK; ZAM, 3 Aug 2001 – 1♀, 7 Aug 2001 – 1♀, leg. JKK; GSL, 29 Jul 2009 – 1♀, leg. JKK; GKI, 24 Aug 2009 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

8. *Cerceris quadrifasciata* (Panzer, 1799)

Material examined: ARK, 15 Jul 1994 – 1♀, 17 Jul 1994 – 1♀, 21 Jul 2012 – 1♂, 5 Aug 2012 – 3♀♀, leg. JKK; BIG, 25 Jul 2001 – 1♀, 26 Jul 2001 – 1♀, leg. JKK; ZAM, 7 Sep 2001 – 1♀, leg. JKK; KEP, 15 Jun 2009 – 1♀, 17 Jun 2009 – 1♀, leg. JKK; DBR, 18 Jul 2009 – 1♀, leg. JKK; GSL, 30 Jul 2009 – 1♀, 30 Jun 2010 – 1♀, 6 Aug 2010 – 1♀, leg. JKK; GDK, 23 Jun 2010 – 1♀, leg. JKK; BEK, 24 Jun 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

9. *Cerceris quinquefasciata* (Rossi, 1792)

Material examined: ARK, 15 Jul 1994 – 1♀, 17 Jul 1994 – 1♀, 5 Aug 2012 – 3♀♀, leg. JKK; BIG, 25 Jul 2001 – 1♀, 26 Jul 2001 – 1♀, leg. JKK; ZAM, 7 Sep 2001 – 1♀, leg. JKK; GSL, 30 Jul 2009 – 1♀, 30 Jun 2010 – 1♀, 6 Aug 2010 – 1♀, leg. JKK; POL, 10 Jul 2015 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

10. *Cerceris ruficornis* (Fabricius, 1793)

Material examined: GAR, 30 Jul 1996 – 1♀, 14 Sep 1996 – 1♀, leg. JKK; DBR, 10 Aug 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland. First record for Pomeranian Lakeland. Classified as vulnerable (VU) on the Red List of Threatened Animals in Poland.

11. *Cerceris rybyensis* (Linnaeus, 1771)

Material examined: ARK, 20 Jun 1992 – 1♂, 12 Jun 1994 – 1♂, 7 Jul 2012 – 1♂, 5 Aug 2013 – 2♂♂, leg. JKK; KEP, 10–12 Jun 1993 – 1♂, leg. JKK; GAR, 30 Jul 1996 – 1♀, 30 Aug 1996 – 1♀, leg. JKK; RES, 31 Aug 2000 – 1♀, leg. JKK; JKA, 20 Aug 2010 – 1♀, leg. JKK; GSL, 10 Aug 2002 – 1♀, 18 Jun 2004 – 1♂; 1 Aug 2009 – 1♂, leg. JKK; ŁYG, 7 Aug 2004 – 1♀, leg. JKK; POL, 29 Jun 2009 – 1♂, leg. JKK; KAT, 10 Aug 2010 – 1♀, leg. JKK; BEK, 24 Jul 2012 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

12. *Crabro cribrarius* (Linnaeus, 1758)

Material examined: POL, 20 Jul 1994 – 1♂, 15 Jul 2016 – 1♂, leg. JKK; STZ, 22 Jul 1997 – 1♂, leg. JKK; GAR, 27 Jun 1998 – 1♀, 19 Sep 1998 – 1♀, leg. JKK; DZS, 17 Jul 2000 – 1♀, leg. JKK; PIE, 22 Jul 2000 – 1♀, leg. JKK; GSL, 30 Jul 2009 – 1♂, 11 Aug 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

13. *Crabro peltarius* (Schreber, 1784)

Material examined: KEP, 11 Jun 1989 – 1♂, 11–12 Jun 1993 – 1♂, leg. JKK; ARK, 12 Jun 1989 – 1♀, 20 Jun 1992 – 1♂, 14 Jul 1994 – 1♀, 22 Jul 1999 – 1♀, 16 Jun 2004 – 1♀, 2 Jul 2012 – 1♀, 5 Jul 2012 – 1♂, 18 Jun 2013 – 1♀, leg. JKK; ZAW, 25 Aug 1995 – 1♀, leg. JKK; GAR, 17 Jun 1997 – 1♂, 23 Jul 1997 – 1♀, leg. JKK; NIE, 2 Jul 1997 – 2♂♂, leg. JKK; ZAM, 31 Jul 2001, leg. JKK; KRK, 8 Jun 2007 – 2♀♀, leg. JKK; GSL, 30 Jul 2009 – 1♀, 8 Aug 2009 – 1♂, leg. JKK; BEK, 27 Jul 2012 – 2♀♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian

Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

14. *Crabro scutellatus* (Scheven, 1781)

Material examined: KRK, 8 Jun 2007 – 2♀♀, leg. JKK; BEK, 27 Jul 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomoranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Beskid and Wielkopolska-Kujawy Lowland.

15. *Crossocerus annulipes* Le Peletier de Saint Fargeau & Brullé, 1834

Material examined: ZAM, 7 Sep 2001 – 2♀♀, leg. JKK; POL, 7 Aug 2002 – 1♀, 1 Sep 2009 – 1♀, 26 Jun 2011 – 1♀, 13 Jul 2011 – 2♀, 24 Jul 2011 – 1♀, 17 Sep 2011 – 1♂, leg. JKK; GRO, 24 Jul 2003 – 1♀, leg. JKK; ARK, 5 Aug 2013 – 1♀, 6 Jul 2012 – 1♀, 6 Sep 2013 – 1♀, 8 Sep 2013 – 2♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Upper Silesia, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Western Beskid Mts, and Wielkopolska-Kujawy Lowland.

16. *Crossocerus assimilis* (Smith, 1856)

Material examined: MIR, 26 Jun 1998 – 3♀♀, leg. JKK; GSY, 23 Aug 2005 – 1♀, leg. JKK; ARK, 8 Jul 2012 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Western Beskid Mts and Western Sudety Mts. First record for the Baltic Coast.

17. *Crossocerus binotatus* Le Peletier de Saint Fargeau & Brullé, 1835

Material examined: POL, 19 Jun 1992 – 1♀, 23 Jul 1994 – 1♀, 2 Jul 2009 – 1♀, leg. JKK; MIR, 6 Aug 1997 – 1♀, leg. JKK; GRO, 24 Jul 2003 – 1♀.

Distribution in Poland: Baltic Coast, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

18. *Crossocerus cetratus* (Shuckard, 1837)

Material examined: ZAW, 21 Jul 1994 – 1♀, leg. JKK; MIR, 3 Jul 1997 – 1♂, leg. JKK; TTA, 25 Jul 2000 – 1♀, leg. JKK; GSY, 12 Aug 2003, leg. JKK; ŁYG, 8 Aug 2004 – 1♀, leg. JKK; POL, 30 Jun 2009 – 1♀, 7 Jul 2009 – 1♀, 5 Jun 2011 – 1♀, 16 Jun 2011 – 1♀, 22 Jun 2011 – 1♀, 26 Jun 2011 – 2♀♀, leg. JKK; GSL, 8 Aug 2009 – 1♂, leg. JKK; ZMA, 4 Jul 2013, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

19. *Crossocerus congener* (Dahlbom, 1845)

Material examined: GAR, 23 Jul 1997 – 1♀, leg. JKK; MIR, 26 Jun 1998 – 1♀, leg. JKK; GRO, 24 Jul 2003 – 1♀, leg. JKK; ŁYG, 9 Aug 2004 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Kraków-Wieluń Upland, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin and Świętokrzyskie Mts and Wielkopolska-Kujawy Lowland. First record for Baltic Coast. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

20. *Crossocerus dimidiatus* (Fabricius, 1781)

Material examined: NIE, 23 Jul 1997 – 1♀, leg. JKK.

Distribution in Poland: Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

21. *Crossocerus distinguendus* (A. Morawitz, 1866)

Material examined: GSL, 8 Aug 2009 – 1♂, 22 Jun 2010 – 1♀, leg. JKK; GKI, 27 Aug 2009 – 1♂, leg. JKK; ARK, 1 Jun 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

22. *Crossocerus elongatulus* (Vander Linden, 1829)

Material examined: GSL, 22 Jul 2003 – 1♀, 19 Jun 2004 – 1♀, leg. JKK; ARK, 17 Jun 2009 – 1♀, leg. JKK; 23 Aug 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts and Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

23. *Crossocerus exiguus* (Vander Linden, 1829)

Material examined: NIE 15 Jul 1997 – 1♂, leg. JKK; GKI, 27 Aug 2009 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

24. *Crossocerus heydeni* Kohl, 1880

Material examined: ZAW, 21 Jul 1994 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Podlasie, Pomeranian Lakeland and Western Beskid. Classified as data deficient (DD) on the Red List of Threatened Animals in Poland.

25. *Crossocerus megacephalus* (Rossi, 1790)

Material examined: NIE, 2 Jul 1997 – 1♂, leg. JKK; MIR, 3 Jul 1997 – 1♀, 01 Sep 1997 – 2♀♀, 1♂, leg. JKK; GNO, 14 Aug 2002 – 1♀, leg. JKK; GAR 18 Aug 2011 – 1♂, leg. JKK; POL, 12 Jun 2012 – 1♀, leg. JKK; ARK, 12 Aug 2012 – 2♂♂ and 2♀♀, 31 Jul 2013 – 1♀, 30 Aug 2013 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Świętokrzyskie Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland. First record for Baltic Coast.

26. *Crossocerus nigrinus* Le Peletier de Saint Fargeau & Brullé, 1835

Material examined: NIE, 2 Jul 1997 – 2♂♂, 23 Jul 1997 – 1♀, 29 Jul 1997 – 1♀, 1 Sep 1997 – 3♀♀, leg. JKK; ARK, 8 Sep 2013 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

27. *Crossocerus ovalis* Le Peletier de Saint Fargeau & Brullé, 1835

Material examined: NIE, 15 Jul 1997 – 1♀, leg. JKK; POL, 11 Jun 2009 – 1♀, 17 Jun 2009 – 2♀♀, 2 Jul 2009 – 1♀, 23 Jul 2012 – 3♀♀, leg. JKK; ARK, 16 Jul 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

28. *Crossocerus palmipes* (Linnaeus, 1767)

Material examined: ARK, 18 Jul 1994 – 1♂, leg. JKK; ZAW, 25 Aug 1995 – 1♀, leg. JKK; SAM, 12 Aug 2004 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Roztocze, Świętokrzyskie Mts, Tatra Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

29. *Crossocerus podagricus* (Vander Linden, 1829)

Material examined: GAR, 23 Jul 1997 – 1♀, leg. JKK; MIR, 26 Jun 1998 – 1♀, leg. JKK; ARK, 10 Aug 1998 – 1♂, leg. JKK; 5 Aug 2013 – 1♀, 8 Sep 2013 – 2♂♂, leg. JKK; GRO, 24 Jul 2003 – 1♂, leg. JKK; ŁYG, 9 Aug 2004 – 1♀, leg. JKK; POL, 7 Jul 2009 – 1♀, 26 Jun 2011 – 2♀♀, 30 Jun 2011 – 3♂♂, 05 Jul 2011 – 1♀, leg. JKK; GSL, 31 Jul 2009 – 1♀, 1 Aug 2009 – 1♂, 30 Aug 2009 – 1♀, 11 Jul 2010 – 1♀, 27 Jul 2010 – 1♀, leg. JKK; ZMA, 4 Jul 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

30. *Crossocerus pullulus* (A. Morawitz, 1866)

Material examined: JAS, 18 Aug 1983 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Western Beskid Mts and Wielkopolska-Kujawy Lowland. Classified as vulnerable (VU) on the Red List of Threatened Animals in Poland.

31. *Crossocerus varus* Le Peletier de Saint Fargeau & Brullé, 1835

Material examined: ARK, 7 Sep 1988 – 1♀, 9 Sep 1988 – 1♀, leg. JKK; WKM, 28 Aug 1995 – 1♀, leg. JKK; NIE, 15 Jul 1997 – 1♂, 23 Jul 1997 – 1♀, leg. JKK; POL, 24 Jul 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Pomeranian Lakeland, Western Beskid Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

32. *Crossocerus quadrimaculatus* (Fabricius, 1793)

Material examined: ARK, 9 Sep 1988 – 1♀, 27 Aug 1996 – 1♂, 29 Jul 1999 – 1♂, 22 Jul 2001 – 1♀, 22 Aug 2015 – 1♂, leg. JKK; CZE, 17 Jul 1989 – 1♂ and 1♀, leg. JKK; ŁPO, 21 Aug 1995 – 1♂, leg. JKK; ZAW, 25 Aug 1995 – 1♀, leg. JKK; GAR, 29 Aug 1996 – 1♀, 24 Jul 1997 – 1♂, leg. JKK; ZAM, 30 Aug 2001 – 1♂, leg. JKK; POL, 20 Aug 2015 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

33. *Crossocerus styrius* (Kohl, 1892)

Material examined: ARK, 8 Sep 2013 – 1♀, leg. JKK; ZAM, 7 Sep 2001 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Świętokrzyskie Mts and Western Beskid Mts. First record for the Baltic Coast. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

34. *Crossocerus tarsatus* (Shuckard, 1837)

Material examined: ARK, 17 Aug 2002 – 1♀, 8 Aug 2013 – 1♀, 30 Aug 2013 – 4♂♂, 8 Sep 2013 – 1♂, 30 Sep 2013 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland and Świętokrzyskie Mts. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

35. *Crossocerus vagabundus* (Panzer, 1798)

Material examined: CZE, 17 Jul 1989 – 1♂, leg. JKK; POL, 19 Jun 1992 – 1♂, 14 Jul 1994 – 1♂, 23 Jul 1994 – 1♂, 2 Jul 2009 – 1♂, leg. JKK; OSŁ, 3 Aug 1997 – 1♂, leg. JKK; MIR, 6 Aug 1997 – 1♂, leg. JKK; GRO, 24 Jul 2003 – 1♂, leg. JKK; ARK, 5 Jul 2012 – 1♂, 6 Jul 2012 – 1♂, 5 Aug 2012 – 1♂, 12 Aug 2012 – 1♂, 21 Jul 2014 – 1♂, 12 Jul 2015 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Świętokrzyskie Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

36. *Crossocerus wesmaeli* (Vander Linden, 1829)

Material examined: POL, 11 Jun 1989 – 1♂, 4 Jul 2009 – 1♂, leg. JKK; NIE, 1 Sep 1997 – 1♀, leg. JKK; BIG, 26 Jul 2001 – 1♀, leg. JKK; ARK, 7 Jul 2013 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

37. *Didineis lunicornis* (Fabricius, 1798)

Material examined: ARK, 29 Jul 1999 – 1♂, leg. JKK; ŁYG, 17 Aug 2000 – 1♀, leg. JKK; GSL, 10 Aug 2002 – 1♂, 11 Aug 2002 – 1♂, leg. JKK; BER, 14 Aug 2003 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

38. *Dinetus pictus* (Fabricius, 1793)

Material examined: ARK, 20 Jun 1992 – 2♂♂, 7 Jul 2012 – 1♂, leg. JKK; GSL, 30 Jul 2009 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin and Wielkopolska-Kujawy Lowland.

39. *Diodontus luperus* Shuckard, 1837

Material examined: ARK, 9 Sep 1988 – 1♀, leg. JKK; GSL, 9 Aug 2002 – 1♀, 16 Aug 2002 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

40. *Diodontus medius* Dahlbom, 1845

Material examined: GAR, 7 Jun 2009 – 2♀♀, leg. JKK.

Distribution in Poland: Pomeranian Lakeland. First record from Poland: Pomeranian Lakeland (Olszewski et al. 2016).

41. *Diodontus minutus* (Fabricius, 1793)

Material examined: POL, 11–12 Jun 1993 – 1♂, leg. JKK; ARK, 13 Jul 1994 – 1♀, 29 Jul 1999 – 2♂♂, 18 Aug 2013 – 1♀, leg. JKK; ZAM, 5 Sep 2001 – 1♀, leg. JKK; GSL, 31 Jul 2009 – 3♀♀ and 2♂♂, 8 Aug 2009 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

42. *Dryudella pinguis* (Dahlbom, 1832)

Material examined: GSL, 19 Jun 2004 – 1♀, 18 Jun 2010 – 1♂, 30 Jun 2010 – 1♀, leg. BS; KRK, 8 Jun 2007 – 1♀, leg. JKK; KŁY, 18 Jun 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Roztocze and Sandomierz Basin. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

43. *Dryudella stigma* (Panzer, 1809)

Material examined: ARK, 15 Jul 1994 – 1♀ and 1♂, leg. JKK; GSL, 8 Aug 2009 – 1♂, leg. JKK; POL, 10 Jul 2015 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Tatra Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

44. *Ectemnius borealis* (Zetterstedt, 1838)

Material examined: MIR, 20 Jun 1997 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Lublin Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Tatra Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

45. *Ectemnius cavifrons* (Thomson, 1870)

Material examined: ARK, 20 Jun 1992 – 1♂, 20 Jun 1998 – 1♀, 27 Jun 1998 – 1♂, 18 Jun 2013 – 1♂, leg. JKK; ZAW, 21 Jul 1994 – 2♂♂, 24 Aug 1995 – 1♂, 25 Aug 1995 – 1♀ and 1♂, leg. JKK; POL, 28 Jul 1994 – 1♀, leg. JKK; GAR, 21 Jun 1997 – 1♂; MIR, 3 Jul 1997 – 1♂, leg. JKK; ZAM, 30 Aug 2001 – 1♀, leg. JKK; GRO, 24 Jul 2003 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

46. *Ectemnius continuus* (Fabricius, 1804)

Material examined: ARK, 12 Jun 1989 – 1♂, 21 Aug 2012 – 1♂, leg. JKK; GAR, 23 Jul 1997 – 1♀, 27 Jun 1998 – 1♂, leg. JKK; TNA, 24 Jul 2000 – 1♂, leg. JKK; BIG, 26 Jul 2001 – 1♂, leg. JKK; ŁYG, 9 Aug 2004 – 1♀, leg. JKK; GSL, 1 Aug 2008 – 1♂, leg. JKK; SŁO, 7 Aug 2009 – 1♀ and 1♂, leg. BS; GDK, 28 Jun 2010 – 1♂, leg. JKK; JKA, 9 Jun 2010 – 1♂, leg. JKK; MEW, 9 Aug 2010 – 2♀♀, leg. JKK; ONK, 6 Sep 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin

Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

47. *Ectemnius dives* (Le Peletier de Saint Fargeau & Brullé, 1834)

Material examined: ARK, 05 Sep 1988 – 1♀, 17 Aug 1994 – 1♀, 20 Jun 1992 – 1♂, 2 Aug 1998 – 1♂, 22 Jul 1999 – 1♂, 8 Jul 2012 – 1♂, 8 Aug 2013 – 1♂, leg. JKK; POL, 11 Jun 1989 – 1♂, 19 Jul 1994 – 1♂, leg. JKK; GAR, 30 Aug 1996 – 1♂, leg. JKK; TBI, 30 Aug 2000 – 1♀, leg. JKK; GSL, 19 Jun 2004 – 1♂, leg. JKK; GDK, 23 Jun 2010 – 2♀♀ and 1♂, 28 Jun 2010 – 2♂♂, leg. JKK; JKA, 9 Jul 2010 – 1♂, 9 Aug 2010 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

48. *Ectemnius fossorius* (Linnaeus, 1758)

Material examined: GSL, 30 Jul 2010 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Masurian Lakeland, Pieniny, Podlasie, Świętokrzyskie Mts, Western Beskid and Wielkopolska-Kujawy Lowland. Classified as critically endangered (CR) on the Red List of Threatened Animals in Poland.

49. *Ectemnius lapidarius* (Panzer, 1804)

Material examined: CZE, 17 Jul 1989 – 1♂, leg. JKK; STZ, 22 Jul 1997 – 1♂, leg. JKK; DOR, 5 Aug 1998 – 1♀, leg. JKK; TNA, 24 Jul 2000 – 2♂♂ and 1♀, leg. JKK; TTA, 25 Jul 2000 – 1♀, leg. JKK; ZIE, 28 Aug 2000 – 2♀♀, leg. JKK; MIL, 30 Jul 2001 – 1♂, leg. JKK; DBR, 18 Jul 2009 – 1♀, 19 Jul 2010 – 1♂, leg. JKK; KŁY, 16 Jun 2010 – 1♂, leg. JKK; JKA, 9 Jul 2010 – 1♀, leg. JKK; POL, 5 Jun 2011 – 1♀, leg. JKK; MEW, 8 Aug 2011 – 1♀, leg. BS; OSŁ, 3 Aug 2012 – 1♀, leg. JKK; SŁO, 18 Jun 2013 – 1♂, leg. JKK; ZMA, 4 Jun 2013 – 1♂, leg. JKK; BEK, 2 Aug 2013 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

50. *Ectemnius rubicola* (Dufour & Perris, 1840)

Material examined: POL, 23 Jul 1994 – 1♀, leg. JKK; BIG, 27 Jul 2001 – 1♂, leg. JKK; ŁYG, 15 Sep 2004 – 1♀, leg. JKK; GDK, 24 Jun 2010 – 1♂, leg. JKK; BEK, 24 Jul 2012 – 1♂, leg. JKK; ARK, 30 Jul 2012 – 1♂, 12 Aug 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts and Wielkopolska-Kujawy Lowland.

51. *Ectemnius ruficornis* (Zetterstedt, 1838)

Material examined: NIE, 6 Aug 1997 – 1♀, leg. JKK; GAR, 27 Jun 1998 – 1♂, leg. JKK; PIE, 24 Jul 2000 – 1♀, leg. JKK; BIG, 27 Jul 2001 – 1♂, leg. JKK; GSL, 31 Jul 2003 – 1♀, 4 Aug 2010 – 1♀, leg. JKK; KRK, 1 Aug 2003 – 1♂, leg. JKK; GST, 5 Aug 2010 – 1♀, leg. JKK; JKA, 9 Aug 2010 – 1♀, leg. JKK; POL, 22 Jun 2011 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts and Western Sudety Mts.

52. *Ectemnius sexcinctus* (Fabricius, 1775)

Material examined: JAS, 17 Aug 1983 – 1♀, leg. JKK; ARK, 12 Jun 1989 – 1♂, 20 Jun 1992 – 1♂, leg. JKK; ŁYG, 12 Jul 1996 – 1♂, leg. JKK; GSL, 26 Jul 2003 – 1♂, 30 Jul 2003 – 1♀, 4 Aug 2003 – 1♂, 30 Jul 2003 – 1♂, 16 Jul 2010 – 1♂, leg. JKK; SŁO, 7 Aug 2009 – 1♂, leg. JKK; GST, 5 Aug 2010 – 1♂, leg. JKK; ONK, 6 Sep 2011 – 1♀, leg. JKK; BEK, 24 Jul 2012 – 1♂, leg. JKK; OSŁ, 3 Aug 2012 – 1♀ and 1♂, leg. JKK; POL, 15 Aug.2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Tatra Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

53. *Entomognathus brevis* (Vander Linden, 1829)

Material examined: GAR, 24 Jul 1997 – 1♀, leg. JKK; GSL, 6 Aug 1997 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Tatra Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

54. *Gorytes fallax* Handlirsch, 1888

Material examined: ARK, 6 Jul 2012 – 1♀, 18 Jun 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy Lowland. First record for Baltic Coast. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

55. *Gorytes laticinctus* (Lepeletier, 1832)

Material examined: ARK, 30 Aug 2000 – 1♀, 21 Jul 2001 – 1♂, 12 Aug 2012 – 1♀, 7 Jul 2013 – 1♂, leg. JKK; GSL, 15 Jun 2003 – 1♂, 20 Jun 2003 – 1♂, 20 Jul 2003 – 2♂♂, 22 Jul 2003 – 2♂♂, 30 Jul 2003 – 1♂, leg. JKK; SAM, 23 Jul 2003 – 1♀ and 1♂, 12 Aug 2004 – 1♀, 12 Aug 2014 – 1♀, leg. JKK; GNO, 12 Aug 2003 – 1♀, leg. JKK; POL, 12 Aug 2003 – 1♂, 17 Jul 2011 – 1♀, leg. JKK; KRK, 1 Aug 2008 – 1♀, leg. JKK; GKI, 27 Aug 2009 – 1♀, leg. JKK; BEK, 24 Jul 2012 – 1♂, leg. JKK; GDK, 31 Jul 2012 – 2♂♂, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian

Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

56. *Gorytes quadrifasciatus* (Fabricius, 1804)

Material examined: STZ, 22 Jul 1997 – 1♂, leg. JKK; BEK, 24 Jul 2012 – 1♂ and 2♀♀, leg. JKK, 18 Jun 2013 – 1♂, leg. BS; SŁO, 18 Jun 2013 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

57. *Gorytes quinquecinctus* (Fabricius, 1793)

Material examined: KWO, 25 Jul 2001 – 1♀, leg. JKK; GAR, 10 Aug 2004 – 1♂, leg. JKK; DBR, 19 Jul 2010 – 1♀, leg. JKK; MIŁ, 30 Jul 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

58. *Gorytes quinquefasciatus* (Panzer, 1798)

Material examined: GAR, 10 Aug 2004 – 1♂, leg. JKK.

Distribution in Poland: Białowieża Primeval Forest, Bieszczady Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

59. *Harpactus lunatus* (Dahlbom, 1832)

Material examined: ZAW, 13 Jul 1996 – 1♀, leg. JKK; BER, 7 Aug 2003 – 1♀, leg. JKK; GSL, 19 Jun 2004 – 1♂, 22 Jun 2010 – 1♀, 30 Jun 2010 – 1♀ and 1♂, leg. JKK; ARK, 12 May 2014 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia and Wielkopolska-Kujawy Lowland.

60. *Harpactus tumidus* (Panzer, 1801)

Material examined: GAR, 23 Jul 1997 – 1♂; ARK, 12 Jun 2014 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

61. *Lestica alata* (Panzer, 1797)

Material examined: GAR, 30 Aug 1996 – 1♀, leg. JKK; DZS, 22 Jul 2000 – 1♀, leg. JKK; BEK, 24 Jul 2012 – 1♀, leg. JKK; ARK, 24 Jun 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland. Classified as vulnerable (VU) on the Red List of Threatened Animals in Poland.

62. *Lestica subterranea* (Fabricius, 1775)

Material examined: ARK, 20 Jun 1992 – 1♂, 22 Jul 1994 – 1♀, leg. JKK; ŁYG, 12 Jul 1996 – 1♂, leg. JKK; GAR, 27 Jun 1998 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy Lowland.

63. *Lindenius albilabris* (Fabricius, 1793)

Material examined: ARK, 12 Jun 1989 – 1♀ and 2♂♂, 18 Jun 1989 – 1♂, 19 Jun 1989 – 1♂, 20 Jun 1992 – 1♀, 2 Aug 1998 – 1♀, 21 Jul 2001 – 1♂, 5 Jul 2012 – 1♀, 7 Jul 2012 – 1♂, 10 Jun 2013 – 1♂, 12 Jun 2014 – 2♂♂, leg. JKK; KEP, 11–12 Jun 1992 – 1♂, leg. JKK; POL, 11–12 Jun 1993 – 1♀ and 1♂, 14 Jul 2009 – 1♀, 24 Jun 2015 – 2♀♀, leg. JKK; GAR, 24 Jul 1997 – 1♀, leg. JKK; DZS, 22 Jul 2000 – 1♀, leg. JKK; PIE, 22 Jul 2000 – 1♀, leg. JKK; BIG, 27 Jul 2001 – 1♀, leg. JKK; GSL, 14 Aug 2002 – 1♀, 1 Jun 2009 – 1♀, 27 Jul 2010 – 1♀, 11 Aug 2010 – 1♀; ŁYG, 8 Aug 2004 – 1♀, leg. JKK; KRK, 8 Jun 2007 – 1♀, leg. JKK; JKA, 9 Jul 2010 – 1♀, leg. JKK; WIC, 9 Jul 2014 – 1♀, leg. JKK; BER, 8 Jul 2016 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Upper Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

64. *Lindenius panzeri* (Vander Linden, 1829)

Material examined: GAR, 24 Jul 1997 – 1♂, leg. JKK; GSL, 8 Aug 2002 – 1♀, leg. JKK; BEK, 24 Jul 2012 – 1♀, leg. JKK; GKO, 12 Jul 2016 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

65. *Lindenius pygmaeus* (Rossi, 1794)

Material examined: ARK, 29 Jul 1999 – 1♀, 2 Jul 2014 – 2♀♀, leg. JKK; GSL, 31 Jul 2009 – 1♀, 8 Aug 2009 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

66. *Mellinus arvensis* (Linnaeus, 1758)

Material examined: ARK, 9 Sep 1988 – 1♀, leg. JKK; ZAW, 24 Aug 1995 – 1♀, leg. JKK; GAR, 29 Aug 1996 – 1♀, 14 Sep 1996 – 1♀, 23 Jul 1997 – 1♂, 19 Sep 1998 – 1♀, leg. JKK; PRZ, 1 Sep 2000 – 1♀, leg. JKK; POL, 7 Sep 2009 – 1♂, leg. JKK; GST, 5 Aug 2010 – 1♀, leg. JKK; JKA, 9 Aug 2010 – 1♀, leg. JKK; DBR, 10 Aug 2010 – 1♂, leg. JKK; KAT, 10 Aug 2010 – 1♀, leg. JKK; ONK, 18 Aug 2011 – 1♂, leg. JKK; GWI, 25 Jul 2013 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

67. *Mellinus crabroneus* (Thunberg, 1791)

Material examined: GAR, 23 Jul 1997 – 1♀, leg. JKK; ONK, 20 Aug 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

68. *Mimesa bicolor* (Jurine, 1807)

Material examined: GAR, 21 Jul 1997 – 1♂, leg. JKK; JKA, 9 Jul 2010 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

69. *Mimesa bruxellensis* Bondroit, 1934

Material examined: ARK, 2 Aug 1998 – 1♀, 22 Aug 2015 – 1♀, leg. JKK; GAR, 19 Sep 1998 – 1♀, leg. JKK; ZAM, 05 Sep 2001 – 1♀, leg. JKK; GSL, 20 Jul 2003 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts and Upper Silesia. First record for the Pomeranian Lakeland.

70. *Mimesa equestris* (Fabricius, 1804)

Material examined: ARK, 2 Aug 1998 – 1♂, 9 Aug 1998 – 1♀, 8 Aug 2013 – 2♀♀, leg. JKK; BER, 14 Aug 2003 – 2♀♀, leg. JKK; GKI, 24 Aug 2009 – 1♀, leg. JKK; DBR, 10 Aug 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

71. *Mimesa lutaria* (Fabricius, 1787)

Material examined: ARK, 14 Jul 1994 – 1♀, 17 Jul 1994 – 1♀, 21 Jul 1999 – 1♀, leg. JKK; GAR, 21 Jul 1997 – 2♀♀, leg. JKK; GKI, 15 Jun 2010 – 1♂, leg. JKK; JKA, 2 Jul 2010 – 1♀, leg. JKK; POL, 30 Jun 2011 – 1♂, 12 Jun 2014 – 1♀, 3 Jul 2014 – 1♀, 22 Jul 2015 – 1♀, 30 Jul 2015 – 1♀ leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

72. *Mimumesa atratina* (F. Morawitz, 1891)

Material examined: GSL, 30 May 2010 – 1♀, 30 Jul 2010 – 1♀, leg. JKK; GDK, 28 Jun 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

73. *Mimumesa beaumonti* (van Lith, 1949)

Material examined: KEP, 11–12 Jun 1993 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Małopolska Upland, Mazovian Lowland and Wielkopolska-Kujawy Lowland. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

74. *Mimumesa dahlbomi* (Wesmael, 1852)

Material examined: GAR, 6 Aug 1998 – 1♀, leg. JKK; PIE, 22 Jul 2000 – 1♀, leg. JKK; RDE, 31 Jul 2012 – 1♀, leg. JKK; ARK, 1 Jun 2014 – 1♂, 12 Jun 2014 – 1♂, 6 Jul 2014 – 1♂, 10 Jul 2015 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

75. *Mimumesa unicolor* (Vander Linden, 1829)

Material examined: GAR, 24 Jul 1997 – 1♀, leg. JKK; GSL 8 Aug 2002 – 2♀♀, 26 Aug 2010 – 1♀, leg. JKK; ONK, 18 Aug 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

76. *Miscophus ater* Lepeletier de Saint-Fargeau, 1845

Material examined: JUR, 21 Aug 1983 – 2♀♀, leg. JKK; ARK, 9 Sep 1988 – 1♀ and 1♂, leg. JKK; CHA, 22–29 Sep 1993 – 1♀, 1 Sep 1996 – 1♀, leg. JKK; DBR, 19 Jul 2010 – 2♂♂, 10 Aug 2010 – 1♀, leg. JKK; POL, 3 Jul 2014 – 1♀, 30 Jun 2015 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Roztocze, Sandomierz Basin, Upper Silesia and Wielkopolska-Kujawy Lowland. Classified as data deficient (DD) on the Red List of Threatened Animals in Poland. First record for the Baltic Coast.

77. *Miscophus concolor* Dahlbom, 1845

Material examined: DBR, 19 Jul 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Małopolska Upland, Mazovian Lowland, Podlasie, Pomeranian Lakeland and Wielkopolska-Kujawy Lowland.

78. *Nitela spinolae* Latreille, 1809

Material examined: POL, 11 Jun 1989 – 1♀, leg. JKK; WKM, 28 Aug 1995 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

79. *Nysson dimidiatus* Jurine, 1807

Material examined: GSL, 16 Jul 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin and Wielkopolska-Kujawy Lowland.

80. *Nysson maculosus* (Gmelin, 1790)

Material examined: ARK, 12 Jun 1989 – 1♂, 19 Jun 1992 – 2♂♂, 21 Jul 1999 – 1♀, 22 Jul 2012 – 1♀, 26 Jul 2015 – 1♂ leg. JKK; GKI, 21 Jun 2010 – 1♂, leg. JKK; DBR, 19 Jul 2010 – 1♀ and 1♂, leg. JKK; GSL, 21 Jul 2010 – 1♀, 8 Jul 2010 – 1♂, leg. JKK; BEK, 24 Jul 2012 – 2♀♀, leg. JKK; WIC, 9 Jul 2014 – 1♀, leg. JKK; KOL, 13 Jul 2016 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

81. *Nysson niger* Chevrier, 1868

Material examined: ARK, 29 Jul 1999 – 2♀♀, 8 Jul 2012 – 1♀, leg. JKK; GSL, 30 Jun 2010 – 1♀, leg. JKK; POL, 10 Jun 2014 – 1♂, 3 Jul 2014 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Beskid Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

82. *Nysson spinosus* (J. Förster, 1771)

Material examined: KRK, 18 Jun 2002 – 1♀, leg. JKK; GSL, 18 Jun 2003 – 1♀, leg. JKK; POL, 10 Jun 2009 – 1♀, 2 Jul 2009 – 1♀, 22 Jun 2011 – 1♂, leg. JKK; SŁO, 18 Jun 2013 – 1♂, leg. JKK; ARK, 28 Jun 2013 – 1♀, 16 Jul 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

83. *Nysson tridens* Gerstäcker, 1866

Material examined: GAR, 21 Jul 1997 – 1♀, 24 Jul 1997 – 2♀♀, leg. JKK.

Distribution in Poland: Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

84. *Nysson trimaculatus* (Rossi, 1790)

Material examined: POL, 24 Jul 2011 – 2♀♀, 28 Aug 2015 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

85. *Oxybelus bipunctatus* Olivier, 1812

Material examined: KEP, 11–12 Jun 1993 – 1♀, leg. JKK; ARK, 23 Jul 1999 – 1♀, 26 Jul 1994 – 1♀, 20 Jun 1992 – 1♀, 05 Aug 2012 – 1♀, 10 Aug 2014 – 1♀, leg. JKK; GSL, 19 Jun 2004 – 1♂, 30 Jul 2009 – 1♀, 1 Aug 2009 – 1♀, 24 Aug 2009 – 1♀, 27 Jul 2010 – 1♀, 30 Jul 2010 – 1♀, leg. JKK; KRK, 8 Jun 2007 – 1♀, leg. JKK; GKI, 24 Aug 2009 – 1♂, leg. JKK; POL, 6 Jun 2014 – 1♀, leg. JKK; GOK, 5 Sep 2014 – 2♀♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Sandomierz Basin, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

86. *Oxybelus mandibularis* Dahlbom, 1845

Material examined: POL, 6 Jun 2014 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy Lowland.

87. *Oxybelus quattuordecimnotatus* Jurine, 1807

Material examined: ARK, 21 Jul 1999 – 1♂, leg. JKK; GSL, 27 Jul 2010 – 2♀♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy Lowland.

88. *Oxybelus trispinosus* (Fabricius 1787)

Material examined: ZAM, 5 Sep 2001 – 1♂, 6 Sep 2001 – 2♀, 5 Sep 2011 – 2♂, 6 Sep 2011 – 1♂, leg. JKK; GSL, 11 Aug 2010 – 2♀♀, leg. JKK; ARK, 8 Aug 2013 – 3♂♂,

16 Jul 2014 – 2♂♂ and 1♀, 5 Aug 2014 – 1♂, leg. JKK; POL, 30 Jul 2015 – 1♀, 15 Jul 2016 – 1♂, leg. JKK; GKO, 12 Jul 2016 – 1♀, leg. JKK; KOL, 13 Jul 2016 – 1♀, leg. JKK; DBR, 18 Jul 2009 – 1♂ and 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Upper Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

89. *Oxybelus uniglumis* (Linnaeus, 1758)

Material examined: ARK, 12 Jun 1989 – 1♂, 16 Jul 2014 – 1♀, leg. JKK; MIŁ, 30 Jul 2001 – 1♀, ONK, 4 Oct 2013 – 1♀, leg. JKK; POL, 6 Jun 2014 – 2♂♂, 10 Jun 2014 – 1♀, leg. JKK; KOL, 13 Jul 2016 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

90. *Oxybelus variegatus* Wesmael, 1852

Material examined: ARK, 22 Jul 1999 – 1♀, 23 Jul 1999 – 2♀♀, 5 Aug 2012 – 1♂, leg. JKK; GSL, 20 Aug 2009 – 1♀, 6 Aug 2010 – 2♀, leg. JKK; GDK, 31 Jul 2012 – 2♂, leg. JKK; ONK, 13 Aug 2012 – 2♀, leg. JKK.

Distribution in Poland: Baltic Coast, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy Lowland. Classified as vulnerable (VU) on the Red List of Threatened Animals in Poland.

91. *Passaloecus corniger* Shuckard, 1837

Material examined: MIR, 3 Jul 1997 – 1♂, leg. JKK; ARK, 5 Jul 2012 – 1♂, leg. JKK; TPK 25 Jul 2012 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

92. *Passaloecus gracilis* (Curtis, 1834)

Material examined: KEP, 11–12 Jun 1993 – 1♂, leg. JKK; NIE, 15 Jul 1997 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

93. *Passaloecus insignis* (Vander Linden, 1829)

Material examined: ARK, 9 Sep 1988 – 2♀♀, 21 Jul 2001 – 1♀, 5 Jul 2012 – 1♂, 23 Aug 2012 – 4♀♀, 15 Jun 2013 – 1♀, leg. JKK; ZAW, 24 Aug 1995 – 1♀, leg. JKK; NIE,

15 Jul 1997 – 1♂, 23 Jul 1997 – 1♀, leg. JKK; MIR, 6 Aug 1997 – 1♂, leg. JKK; ZAM, 30 Aug 2001 – 1♀, leg. JKK; POL, 24 Jul 2011 – 1♀, leg. JKK; ONK; 18 Aug 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

94. *Passaloecus singularis* Dahlbom, 1844

Material examined: POL, 2 Aug 2009 – 1♀, leg. JKK; GKI, 24 Aug 2009 – 1♀, 21 Jun 2010 – 1♂, leg. JKK; GDK, 23 Jun 2010 – 2♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

95. *Pemphredon austriaca* (Kohl, 1888)

Material examined: ŁPO, 21 Aug 1995 – 1♀, leg. JKK; GSL, 8 Aug 2009 – 1♀, 22 May 2010 – 1♀, leg. JKK; POL, 24 Jul 2011 – 1♀, leg. JKK; ARK, 2 Jul 2012 – 1♀, 30 Aug 2013 – 1♀, leg. JKK; SŁO, 18 Jun 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Małopolska Upland, Mazovian Lowland, Świętokrzyskie Mts, Wielkopolska-Kujawy Lowland. Classified as least concern (LC) on the Red List of Threatened Animals in Poland.

96. *Pemphredon inornata* Say, 1824

Material examined: KEP, 11 Jun 1989 – 1♀, leg. JKK; GSY, 23 Aug 2005 – 2♀♀, leg. JKK; KEP, 4 Jul 2009 – 1♀, leg. JKK; POL, 22 Jun 2011 – 1♀, 13 Jul 2011 – 2♀♀, leg. JKK; GSL, 24 Jul 2011 – 1♀, leg. JKK; ARK, 5 Jul 2012 – 1♀, leg. JKK; BEK, 24 Jul 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

97. *Pemphredon lethifer* (Shuckard, 1837)

Material examined: NIE, 6 Aug 1997 – 1♀, leg. JKK; BEK, 20 Jun 2013 – 1♀, 2 Aug 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

98. *Pemphredon lugens* Dahlbom, 1842

Material examined: GAR, 21 Jun 1997 – 1♀, 27 Jun 1998 – 1♀, leg. JKK.

Distribution in Poland: Białowieża Primeval Forest, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

99. *Pemphredon lugubris* (Fabricius, 1793)

Material examined: GPA, 25 Jul 1994 – 1♀, leg. JKK; NIE, 2 Jul 1997 – 1♀, leg. JKK; GRO, 24 Jul 2003 – 1♀, leg. JKK; ŁYG, 11 Aug 2004 – 1♀, leg. JKK; POL, 31 May 2009 – 1♀, leg. JKK; KEP, 15 Jun 2009 – 1♀, leg. JKK; ARK, 8 Jul 2012 – 1♀, 08 Aug 2013 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

100. *Pemphredon montana* Dahlbom, 1845

Material examined: ŁPO, 18 Aug 1995 – 1♀, leg. JKK; GAR, 27 Jun 1998 – 2♀♀, 2 Jun 2008 – 1♀, leg. JKK; GWI, 16 Aug 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

101. *Pemphredon morio* Vander Linden, 1892

Material examined: GAR, 27 Jun 1998 – 2♀♀, 2 Jun 2008 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

102. *Pemphredon rugifer* Dahlbom, 1843

Material examined: GKI, 24 Aug 2009 – 1♂, leg. JKK; ONK, 18 Aug 2011 – 2♀♀, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

103. *Philanthus triangulum* (Fabricius, 1775)

Material examined: KEP, 11–12 Jun 1993 – 1♂, leg. JKK; ARK, 15 Jul 1994 – 1♂, 11 Sep 1996 – 1♂, 2 Jul 2012 – 1♂, leg. JKK; CHA, 1 Sep 1996 – 1♀, leg. JKK; GAR, 24 Jul 1997 – 1♂, 30 Aug 1997 – 1♂, leg. JKK; ZAM, 7 Sep 2001 – 1♂, leg. JKK; ZIE, 12 Aug 2004 – 1♂, leg. JKK; KAT, 9 Jun 2009, leg. BS, 10 Aug 2010 – 1♂, 14 Aug 2010 – 1♂, leg. JKK; BEK, 7 Aug 2009 – 1♀, leg. BS; GSL, 5 Sep 2009 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

104. *Psen ater* (Olivier, 1792)

Material examined: WKM, 8 Aug 1995 – 2♀♀, leg. JKK; ŁYG, 12 Jul 1996 – 1♂, 10 Aug 2003 – 1♀, leg. JKK; GAR, 23 Jul 1997 – 3♂♂, leg. JKK; ARK, 10 Aug 1998 – 1♀, 9 Aug 1998 – 1♂, 22 Jul 2012 – 1♂, 5 Aug 2013 – 2♀♀, leg. JKK; TPK, 28 Aug 2000 – 1♀, 14 Aug 2003 – 1♂, leg. JKK; TBI, 30 Aug 2000 – 1♀, leg. JKK; ZAM, 31 Jul 2001 – 1♀, leg. JKK; RKŁ, 2 Aug 2001 – 1♀, leg. JKK; GSL, 10 Aug 2002 – 1♀, 31 Jul 2009 – 1♀, leg. JKK; KRK, 1 Aug 2003 – 1♂, leg. JKK; POL, 12 Aug 2003 – 1♂, 24 Jul 2011 – 1♀, leg. JKK; SAM, 17 Sep 2004 – 1♀, leg. JKK; DBR, 19 Jul 2010 – 1♀, leg. JKK; ONK; 17 Aug 2011 – 1♀, leg. JKK; RDŁ, 31 Jul 2012 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin and Świętokrzyskie Mts.

105. *Psenulus chevrieri* (Tournier, 1889)

Material examined: POL, 7 Aug 2009 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Małopolska Upland, Kraków-Wieluń Upland, Lower Silesia, Podlasie, Roztocze and Western Beskid Mts. First record from Poland: Baltic Coast (Olszewski et al. 2017).

106. *Psenulus concolor* (Dahlbom, 1843)

Material examined: GSL, 22 Jun 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Świętokrzyskie Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

107. *Psenulus laevigatus* (Schenck, 1857)

Material examined: MIR, 1 Sep 1997 – 1♀, leg. JKK.

Distribution in Poland: Białowieża Primeval Forest, Kraków-Wieluń Upland, Małopolska Upland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Upper Silesia and Wielkopolska-Kujawy Lowland.

108. *Psenulus pallipes* (Panzer, 1798)

Material examined: ZAW, 8 Jul 1996 – 1♂, leg. JKK; DBR, 19 Jul 2010 – 1♂, leg. JKK; POL, 30 Jun 2011 – 1♀, leg. JKK; ONK; 17 Aug 2011 – 1♀, leg. JKK; ARK, 9 Jul 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

109. *Rhopalum clavipes* (Linnaeus, 1758)

Material examined: ZAW, 24 Aug 1995 – 1♂, leg. JKK; NIE, 1 Sep 1997 – 1♀, leg. JKK; ARK, 28 Jul 1999 – 1♀, leg. JKK; KEP, 3 Nov 2014 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

110. *Rhopalum coarctatum* (Scopoli, 1763)

Material examined: JAS, 18 Aug 1983 – 1♀, leg. JKK; ARK, 15 Jul 1997 – 1♂, 5 Jul 2012 – 1♂, 1 Jun 2013 – 1♀, 30 Aug 2013 – 1♂, 8 Sep 2013 – 1♂, 6 Aug 2015 – 1♀, leg. JKK; ONK, 31 Aug 2005 – 1♀, 18 Aug 2011 – 1♂, leg. JKK; POL, 10 Sep 2008 – 1♀, 10 Jul 2009 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

111. *Stigmus pendulus* Panzer, 1805

Material examined: ZAW, 21 Aug 1994 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

112. *Stigmus solskyi* A. Morawitz, 1864

Material examined: MIR, 3 Jul 1997 – 1♀, 6 Aug 1997 – 1♀, leg. JKK; ŁYG, 8 Aug 2004 – 1♀, leg. JKK; ARK, 18 Jun 2014 – 1♀, leg. JKK; BER, 8 Jul 2016 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland. First record for the Pomeranian Lakeland.

113. *Tachysphex fulvitaris* A. Costa, 1867

Material examined: BIG, 27 Jul 2001 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland and Wielkopolska-Kujawy Lowland. Classified as probably extinct (EX?) on the Red List of Threatened Animals in Poland.

114. *Tachysphex helveticus* Kohl, 1884

Material examined: BIG, 26 Jul 2001 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia and Wielkopolska-Kujawy Lowland.

115. *Tachysphex nitidus* (Spinola, 1805)

Material examined: GSL, 20 Jul 2003 – 1♀, 25 Jul 2003 – 1♀, 31 Jul 2003 – 1♀, 29 Jul 2009 – 2♀♀, 8 Jul 2010 – 1♀, leg. JKK; KRK, 8 Jun 2007 – 1♀, leg. JKK; DBR, 10 Aug 2010 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Świętokrzyskie Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

116. *Tachysphex obscuripennis* (Schenck, 1857)

Material examined: GAR, 24 Jul 1997 – 1♀ and 1♂, 27 Jun 1998 – 1♂, 27 Jul 1999 – 1♀, leg. JKK; GKI, 6 Aug 2009 – 1♂, 15 Jun 2010 – 1♂, 21 Jun 2010 – 1♂, 8 Jul 2010 – 1♂, leg. JKK; DBR, 19 Jul 2010 – 3♂♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin and Wielkopolska-Kujawy Lowland.

117. *Tachysphex panzeri* (Vander Linden, 1829)

Material examined: ROW, 13 Jul 2009 – 1♀, leg. MS.

Distribution in Poland: Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pomeranian Lakeland and Wielkopolska-Kujawy Lowland.

118. *Tachysphex pompiliformis* (Panzer, 1805)

Material examined: ARK, 12 Jun 1989 – 1♂, 20 Jun 1992 – 1♂, 15 Jul 1994 – 1♀, 23 Jul 1999 – 1♂, 22 Jul 2001 – 1♂, 2 Jul 2012 – 2♀♀, 8 Aug 2013 – 1♀, 9 Jun 2014 – 2♂♂, leg. JKK; KEP, 11–12 Jun 1993 – 1♀ and 1♂, leg. JKK; ŁPO, 21 Aug 1995 – 1♀, leg. JKK; GSL, 11 Jun 2004 – 1♀, leg. JKK; KRK, 8 Jun 2007 – 1♀, leg. JKK; GSL, 29 Jul 2009 – 1♀, 6 Aug 2009 – 1♂, 8 Jul 2010 – 1♂, leg. JKK; GKI, 15 Jun 2010 – 1♀, leg. JKK; BEK, 27 Jul 2012 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

119. *Tachysphex psammobius* (Kohl, 1880)

Material examined: GSL, 11 Jun 2004 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland and Wielkopolska-Kujawy Lowland. First record for Baltic Coast. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

120. *Tachysphex unicolor* (Panzer, 1809)

Material examined: POL, 6 Jun 2014 – 1♀, 3 Jul 2014 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

121. *Trypoxylon clavicerum* Lepelletier de Saint Fargeau and Audinet-Serville, 1828

Material examined: ARK, 20 Jun 1992 – 1♀, leg. JKK; ZAW, 24 Aug 1995 – 1♀, leg. JKK; POL, 5 Jul 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

122. *Trypoxylon figulus* (Linnaeus, 1758)

Material examined: ARK, 2 Aug 1998 – 1♂, 12 Aug 2012 – 1♀, leg. JKK; DBR, 19 Jul 2010 – 1♂; leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

123. *Trypoxylon minus* Beaumont, 1945

Material examined: CZE, 17 Jul 1989 – 1♀, 21 Jul 1994 – 1♂, leg. JKK; ARK, 29 Jul 1999 – 1♂ and 1♀, 8 Jul 2012 – 1♀, leg. JKK; KWO, 25 Jul 2001 – ♂, leg. JKK; GSL, 18 Sep 2004 – 1♀, leg. JKK; POL, 2 Aug 2009 – 1♀, leg. JKK; KŁY, 23 Jun 2010 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Eastern Beskid Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Mazovian Lowland, Pieniny Mts, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia, Western Beskid Mts, Western Sudety Mts and Wielkopolska-Kujawy Lowland. First record for the Baltic Coast.

Family Sphecidae Latreille 1802

124. *Ammophila pubescens* Curtis, 1836

Material examined: DBR, 17 Jun 2010, 2♂♂, leg. JKK

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Bieszczady Mts, Kraków-Wieluń Upland, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Upper Silesia and Wielkopolska-Kujawy Lowland. First record for Baltic Coast. Classified as near threatened (NT) on the Red List of Threatened Animals in Poland.

125. *Ammophila sabulosa* (Linnaeus, 1758)

Material examined: ARK, 7 Sep 1988 – 1♂, 9 Sep 1988 – 1♂, 20 Jun 1992 – 1♂, 5 Jul 2012 – 1♂, leg. JKK; KAR, 10 Sep 1988 – 1♀, leg. JKK; ŚLG, 25 Jul 1994 – 1♂, leg. JKK;

GAR, 14 Sep 1996 – 1♀, 17 Jun 1997 – 1♂, 27 Jul 1999 – 1♂; ZAM, 31 Jul 2001 – 1♂, leg. JKK; GDO, 1 Sep 2001 – 1♂, leg. JKK; GSL, 6 Aug 2009 – 1♂, leg. JKK; DBR, 10 Jun 2010 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Pieniny Mts, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Upper Silesia, Western Beskid Mts and Wielkopolska-Kujawy Lowland.

126. *Podalonia affinis* (W. Kirby, 1798)

Material examined: ARK, 7 Sep 1988 – 1♀, 12 Jun 1989 – 1♀, 21 Aug 2012 – 1♀, leg. JKK; BIG, 26 Jul 2001 – 1♂, leg. JKK; ZAM, 31 Jul 2001 – 1♀, leg. JKK; ŁYG, 2 Aug 2003 – 1♂, leg. JKK; KRK, 8 Jun 2007 – 1♀, leg. JKK; GSL, 26 Aug 2009 – 1♀, leg. JKK; ONK, 18 Aug 2011 – 1♀, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Kraków-Wieluń Upland, Lower Silesia, Lublin Upland, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Upper Silesia, Western Sudety Mts and Wielkopolska-Kujawy Lowland.

127. *Podalonia hirsuta* (Scopoli, 1763)

Material examined: ARK, 7 Sep 1988 – 1♀, 9 Sep 1988 – 1♀, leg. JKK; GAR, 30 Aug 1996 – 1♂, 14 Sep 1996 – 1♀, 27 Jul 1999 – 1♀, leg. JKK; CHA, 3 Sep 1996 – 1♀, leg. JKK; BIG, 26 Jul 2001 – 1♂, leg. JKK; ZAM, 6 Sep 2001 – 1♀, leg. JKK; BER, 11 Aug 2003 – 1♂, leg. JKK; GSL, 30 Jul 2009 – 1♂, leg. JKK.

Distribution in Poland: Baltic Coast, Białowieża Primeval Forest, Eastern Sudety Mts, Kraków-Wieluń Upland, Lower Silesia, Małopolska Upland, Masurian Lakeland, Mazovian Lowland, Podlasie, Pomeranian Lakeland, Sandomierz Basin, Świętokrzyskie Mts, Tatra Mts, Upper Silesia and Wielkopolska-Kujawy Lowland.

CONCLUSIONS

The material collected in Gdańsk Pomerania over the last 33 years contained 127 species of digger wasps (Hymenoptera: Ampulicidae, Crabronidae and Sphecidae). Among them, 22 species new to the Baltic Coast were found, i.e.: *Ammophila pubescens*, *Astata minor*, *Crossocerus assimilis*, *C. congener*, *C. megacephalus*, *C. nigritus*, *C. varus*, *C. styrius*, *Gorytes fallax*, *G. quadrifasciatus*, *G. quinquecinctus*, *Mimesa bicolor*, *M. lutaria*, *Mimumesa dahlbomi*, *Miscophus ater*, *M. concolor*, *Nysson niger*, *Passaloecus singularis*, *Pemphredon lethifer*, *P. montana*, *Tachysphex psammobius* and *Trypoxylon minus* and 2 species new for the Pomeranian Lake District: *Cerceris ruficornis*, *Mimesa bruxellensis*.

The high fauna value of the studied area is evidenced by the fact that 22 species listed from there are on the Red List of Threatened Animals in Poland. These species are: *Ammophila pubescens*, *Bembix rostrata*, *Cerceris ruficornis*, *Crossocerus congener*, *C. heydeni*, *C. pullulus*, *C. styrius*, *C. tarsatus*, *Didineis lunicornis*, *Dolichurus corniculatus*, *Dryudella pinguis*, *Ectemnius fossorius*, *Gorytes fallax*, *Harpactus tumidus*, *Lestica alata*, *Mimumesa beaumonti*, *Miscophus ater*, *Nysson niger*, *Oxybelus variegatus*, *Pemphredon austriaca*, *Tachysphex fulvitaris* and *T. psammobius*.

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STRESZCZENIE

[Materiały do poznania grzebaczowatych (Hymenoptera: Crabronidae, Sphecidae) na Pomorzu Gdańskim]

W pracy przedstawiono informacje o występowaniu grzebaczowatych na Pojezierzu Pomorskim i na Pobrzeżu Bałtyku. Materiał zbierano w latach 1983–2016. W sumie wykazano 127 gatunków (około 53% gatunków znanych z Polski) należących do 35 (z 50 notowanych w Polsce) rodzajów.

W zebranych materiale stwierdzono 22 gatunki nowe dla Pobrzeża Bałtyku: *Ammophila pubescens*, *Astata minor*, *Crossocerus assimilis*, *C. congener*, *C. megacephalus*, *C. nigrinus*, *C. varus*, *C. styrius*, *Gorytes fallax*, *G. quadrifasciatus*, *G. quinquecinctus*, *Mimesa bicolor*, *M. lutaria*, *Mimumesa dahlbomi*, *Miscophus ater*, *M. concolor*, *Nysson niger*, *Passaloecus singularis*, *Pemphredon lethifer*, *P. montana*, *Tachysphex psammobius* oraz *Trypoxylon minus* oraz 2 gatunki nowe dla Pojezierza Pomorskiego: *Cerceris ruficornis*, *Mimesa bruxellensis*.

O wysokich walorach faunistycznych badanego terenu świadczy fakt, że 22 wykazane stamtąd gatunki, tj. *Ammophila pubescens*, *Bembix rostrata*, *Cerceris ruficornis*, *Crossocerus congener*, *C. heydeni*, *C. pullulus*, *C. styrius*, *C. tarsatus*, *Didineis lunicornis*, *Dolichurus corniculatus*, *Dryudella pinguis*, *Ectemnius fossorius*, *Gorytes fallax*, *Harpactus tumidus*, *Lestica alata*, *Mimumesa beaumonti*, *Miscophus ater*, *Nysson niger*, *Oxybelus variegatus*, *Pemphredon austriaca*, *Tachysphex fulvitaris* oraz *T. psammobius* znajdują się na Czerwonej liście zwierząt ginących i zagrożonych w Polsce.

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