

Additions and corrections to the catalogue of digger wasps (Hymenoptera: Apoidea: Spheciformes) of the European North of Russia

Дополнения и исправления к каталогу роющих ос (Hymenoptera: Apoidea: Spheciformes) Европейского Севера России

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КЛЮЧЕВЫЕ СЛОВА: список видов, роющие осы, каталог, пропущенные данные, новые указания, Российская Фенноскандия.

ABSTRACT. A list of digger wasps species not recorded in the Catalogue of Hymenoptera of Russia for the European North of Russia is provided. In addition to species previously reported in various published sources, the list also includes data from digitized collections of the Zoological Museum of the Helsinki University and data from the Global Biodiversity Information Facility (GBIF) web portal for this area. Information on new finds of Spheciformes from recent years, made mainly in the territory of Karelia, has also been published. A total of 30 missing species were added to the Catalogue of Aculeata of the European North of Russia (N): one species of Ampulicidae, two species of Sphecidae, and 27 species of Crabronidae. Also 46 species of digger wasps were added to the Catalogue for NW: two species of Sphecidae, and 44 species of Crabronidae; one species was overlooked in the Russian fauna. Four species of Crabronidae are reported for the first time for Karelia, and two of these species are also new to the fauna of Russian Fennoscandia.

РЕЗЮМЕ. Приводится список видов роющих ос, не указанных для Европейского Севера России в Каталоге перепончатокрылых насекомых России. Помимо видов приведенных ранее в различных опубликованных источниках, в список также включены данные оцифрованных коллекций Зоологического музея Хельсинкского университета и данные с интернет-портала GBIF для этой территории. Публикуется также информация о новых находках роющих ос последних лет, сделанных в основном на территории Карелии. Всего для Каталога жалящих перепон-

чатокрылых по Европейскому Северу России (N) добавлено 30 пропущенных видов: 1 вид Ampulicidae, 2 вида Sphecidae, и 27 видов Crabronidae. Также приводится 46 видов роющих ос отсутствующих в Каталоге для Северо-Запада России (NW): 2 вида Sphecidae и 44 вида Crabronidae; один вид не был указан для фауны России. Впервые приводятся для Карелии 4 вида Crabronidae и 2 вида также является новыми для Российской Фенноскандии.

Introduction

Here is the third publication on additions and corrections to the Annotated Catalogue of the Hymenoptera of Russia (hereinafter referred to as the Catalogue) [Belokobyl'skij, Lelej, 2017] for the territory of European North and North-West (N and NW respectively) included in Fennoscandia. The first one was devoted to Symphyta species of the European North of Russia [Humala, 2024], and the second part contains additions and corrections to the list of bees (Apoidea: Anthophila) of Russian Fennoscandia [Humala, 2025a]. The next part also dealt with the Apoidea (excluding Anthophila), which are represented by digger or apoid wasps (section Spheciformes). Unfortunately, the list of species in the Catalogue for the above territories is incomplete, as a number of species were omitted. New information on the distribution of some species has also recently been obtained.

The aim of the present article is to fill the existing Catalogue gaps in the distribution of species of digger wasps in the European North and North-West of Russia.

Material and methods

Most of these missed species were added as a result of treatment of various publications as well as some electronic resources (LAJI, GBIF), containing recent finds. Some doubtful records or notes of species with unclear synonymy were not included. The original material was collected in Karelia, with minor additions from Murmansk and Arkhangelsk Areas by netting, light-weight Malaise traps (MT) and yellow pan traps (YPT). If it is not mentioned otherwise, the material for the present study was collected by the author, A.E. Humala. The collections are primarily stored at the Forest Research Institute, KarRC RAS (Petrozavodsk). However, a portion was sent to M. Mokrousov for identification verification in 2016 and has not yet been returned despite an earlier agreement.

All taxa are given according to the Annotated Catalogue of Hymenoptera of Russia [Belokobyl'skij, Lelej, 2017]; species are listed in alphabetic order. The 'DISTRIBUTION' section lists all available previously published indications of finds from the regions of European North and North-West Russia (N and NW) that were missed in the Catalogue, along with notes on the biogeographic provinces of East Fennoscandia according to Heikinheimo & Raatikainen [1971] and references. Many Finnish literature sources and databases use old Finnish place names for the territory of Russian Fennoscandia, which complicates their use. Modern Russian names are provided here in square brackets.

Another abbreviations used in the text: NP — National park; NR — Nature Reserve; I. — Island; L. — Lake; R. — River; surr. — surroundings.

List of species

Species missing in the Catalogue [2017] for region N are marked with an asterisk (*), species missing for region NW are marked with a hash (#), species missing for Russia are marked with a double hash (##), and species reported for the first time for N are marked with a \$.

Superfamily APOIDEA Section SPHECIFORMES FAMILY AMPULICIDAE

**Dolichurus corniculus* (Spinola, 1808)

MATERIAL. **Karelia**, *Kol*: Lososinnoe 4 km NE, clearcut-11, 12.07.2012, 1 ex.; *Kon*: Konchezzero, 1 km SSW, clearcut-1, YPT, 4–6.07.2012, 1 ex.; *Konchezzero*, Chupa 1 km N, clearcut-2, YPT, 4–6.07.2012, 1 ex.; *Kton*: Kladovets Cape, YPT, 30.06–6.07.2018, 1 ♀ 3 ♂♂; *Kpoc*: Maksim'yarvi L., YPT, 23–27.07.2022, 1 ♂ (Polevoi leg.).

DISTRIBUTION. **Karelia**, *Kl*: Sortavala; *Kol*: Vidlitsa; *Kpoc*: Kostomukshsky NR, Munankilahti [FinBIF, 2025].

FAMILY SPHECIDAE

**Ammophila campestris* Latreille, 1809

DISTRIBUTION. **Karelia**, *Kl*: Salmi; **Murmansk Area**, *Lv*: Kashkarantsy [Lomholdt, 1984; FinBIF, 2025].

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

DISTRIBUTION. **Leningrad Area**, *Ik*: Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe] [FinBIF, 2025].

*#*Podalonia hirsuta* (Scopoli, 1763)

MATERIAL. **Karelia**, *Kol*: Petrozavodsk, 5.09.2024, 1 ♀.

DISTRIBUTION. European part of Russia (not specified);

Karelia, *Kl*: Sortavala, Impilahti, Salmi; *Kol*: Sheltozero; **Leningrad Area**, *Ka*: Viipuri [Vyborg]; *Ik*: Uusikirkko [Polyany], Terijoki [Zelenogorsk], Kuolemajärvi [Pionerskoe], Valkjärvi [Michurinskoe], Kivennapa [Pervomayskoe], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe]; *Kl*: Käkisalmi [Priozersk], *Kol*: Vaaseni [Vazhiny] [FinBIF, 2025].

FAMILY CRABRONIDAE

Subfamily ASTATINAE

*#*Dryudella pinguis* (Dahlbom, 1832)

DISTRIBUTION. **Karelia**, *Kl*: Salmi; **Leningrad Area**, *Ka*: Viipuri [Vyborg], Tytärsaari [Bol'shoi Tyuters I.], Lavansaari [Moschny I.], Pieni Tytärsaari [Malyi Tyuters I.]; *Ik*: Uusikirkko [Polyany], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe], Rautu [Sosnovo], Pyhäjärvi [Otradnoe] [FinBIF, 2025].

Subfamily BEMBICINAE

**Nysson mimulus* Valkeila, 1964

DISTRIBUTION. **Karelia**, *Kl*: Sortavala; Russian Karelia (A. Günther); **Arkhangelsk Area**, Vaga R.; **Leningrad Area**, *Ik*: Rautu [Sosnovo]; *Kl*: Käkisalmi [Priozersk] [Valkeila, 1964; FinBIF, 2025].

#*Argogorytes fargeii* (Shuckard, 1837)

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Koivisto [Primorsk], Räisälä [Mel'nikovo]; *Ik*: Terijoki [Zelenogorsk], Uusikirkko [Polyany], Äyräpää [Baryshevo], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe]; *Kl*: Käkisalmi [Priozersk] [FinBIF, 2025].

#*Argogorytes mystaceus mystaceus* (Linnaeus, 1761)

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Antrea [Kamennogorsk]; *Ik*: Terijoki [Zelenogorsk], Äyräpää [Baryshevo], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe], Uusikirkko [Polyany], Rautu [Sosnovo], Valkjärvi [Michurinskoe], Kivennapa [Pervomayskoe], Kuolemajärvi [Pionerskoe]; *Kl*: Käkisalmi [Priozersk] [FinBIF, 2025].

#*Gorytes quadrifasciatus* (Fabricius, 1804)

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Seiskari [Seskar I.], Antrea [Kamennogorsk], Jääski [Lesogorsky], Säkijärvi [Kondrat'ev], Räisälä [Mel'nikovo], Tytärsaari [Bol'shoi Tyuters I.], Pieni Tytärsaari [Malyi Tyuters I.], Suursaari [Gogland I.], Lavansaari [Moschny I.]; *Ik*: Terijoki [Zelenogorsk], Kuolemajärvi [Pionerskoe], Uusikirkko [Polyany], Rautu [Sosnovo], Äyräpää [Baryshevo], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe]; *Kol*: Vaaseni [Vazhiny] [FinBIF, 2025].

#*Gorytes quinquecinctus quinquecinctus* (Fabricius, 1793)

DISTRIBUTION. **Leningrad Area**, *Ik*: Terijoki [Zelenogorsk]; *Kl*: Käkisalmi [Priozersk] [FinBIF, 2025].

#*Harpactus lunatus* (Dahlbom, 1832)

DISTRIBUTION. **Leningrad Area**, *Ka*: Tytärsaari [Bol'shoi Tyuters I.], Pieni Tytärsaari [Malyi Tyuters I.]; *Ik*:

Terijoki [Zelenogorsk], Kivennapa [Pervomayskoe], Sakkola [Gromovo], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe]; *Kol*: Vaaseni [Vazhiny]; *Kl*: Käkisalmi [Priozersk] [FinBIF, 2025].

#*Harpactus tumidus tumidus* (Panzer, 1801)

DISTRIBUTION. **Leningrad Area**, *Ik*: Muolaa [Pravdino]; *Kl*: Käkisalmi [Priozersk] [FinBIF, 2025].

Subfamily CRABRONINAE

****Crossocerus (Ablepharipus) assimilis* (F. Smith, 1856)**

MATERIAL. **Karelia**, *Kl*: Ruskeala, 12.07.2023, 1♀; *Kol*: Sheltozero 13.07.2004, 1♂, Lososinnoe 6 km NNE, clearcut-8, 9.07.2012, 1 ex.; *Kon*: Gomselga 2 km ESE, clearcut-6, 6.07.2012, 1 ex.; Kizhsky Sanctuary, Lelikovo, 28.07.2018, 1♀, Sychevets I., 1.08.2018, 3♀♀, B. Lelikovsky I., 15.08.2019, 1♀.

DISTRIBUTION. **Karelia**, *Kl*: Salmi [FinBIF, 2025]; *Kon*: Kizhi I. [Jakovlev *et al.*, 2014].

##*Crossocerus (Ablepharipus) congener* (Dahlbom, 1844)

MATERIAL **Karelia**, *Kon*: Tereki 2 km SE, 25.06.2018, 1♀.

DISTRIBUTION. **Karelia**, *Kon*: Kivach NR [Humala, 1997], Kentjärvi [Konchezero]; **Leningrad Area**, *Ka*: Antrea [Kamennogorsk] [FinBIF, 2025].

****Crossocerus (Blepharipus) barbipes* Dahlbom, 1845**

MATERIAL. **Karelia**, *Kon*: Rayguba surr., 26.07.2023, 1♀; **Arkhangelsk Area**, “Onezhskoe Pomor’e” NP, Malaya Palova R., 28.07.2020, 1♀, Palova R., 30.07.2020, 1♀.

DISTRIBUTION. **Karelia**, *Kon*: Kivach NR [Humala, 1997]; **Murmansk Area**, *Ks*: Kuolajärvi; *Lv*: Varzuga; **Arkhangelsk Area**, Vaga R. [FinBIF, 2025].

****Crossocerus (Blepharipus) capitosus* (Shuckard, 1837)**

DISTRIBUTION. **Karelia**, *Kol*: Petrozavodsk [FinBIF, 2025].

#*Crossocerus (Blepharipus) cinxius* (Dahlbom, 1839)

MATERIAL. **Karelia**, *Kl*: Matkaselka surr., 12.07.2023, 1♀; *Kol*: Lososinnoe 5 km NE, 22.08.2024, 1♀.

DISTRIBUTION. **Leningrad Area**, *Ka*: Lavansaari [Moschny I.]; *Ik*: Kanneljärvi [Pobeda], Sakkola [Gromovo] [FinBIF, 2025].

****Crossocerus (Blepharipus) heydeni* Kohl, 1880**

MATERIAL. **Karelia**, *Kl*: Varpasaari I., 19.07.2018, 1♀, Ruskeala, 12.07.2023, 1♀; *Kol*: Lososinnoe 5 km NE, 16.07.2024, 1♀; *Kon*: Kivach NR; Kizhsky Sanctuary, Pod’elniki, MT, 19–22.07.2011, 1♀, Ernitsky I., 29.07.2018, 1♀; Vendjuri 1.5 km N, 22.06.2018, 1♂; *Kton*: Lambuda L., 23.08.2006, 1♂; *Kb*: Tolvajärvi, MT, 22–30.06.1999, 1♀; *Kpoc*: SW Maksim’yarvi L., 24.07.2022, 1♂, 25.07.2022, 1♂ (Polevoi leg.); *Kpor*: Ladozero, MT, 27.06–13.08.2010, 1♀ 1♂; *Kk*: Paanayarvi NP, Siltayoki, MT, 27.06–28.07.2021, 3♀♀.

DISTRIBUTION. **Karelia**, *Kon*: Kivach NR, Kizhsky Sanctuary [Humala, 1997; Jakovlev *et al.*, 2014].

***Crossocerus (Blepharipus) megacephalus* (Rossi, 1790)**

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Seiskari [Seskar I.], Tytärsaari [Bol’shoi Tyuters I.]; *Ik*: Sakkola [Gromovo] [FinBIF, 2025].

\$*Crossocerus (Blepharipus) styrius* (Kohl, 1892)

MATERIAL. **Karelia**, *Kl*: Ristisaari I., 19.07.2018, 1♀; Matkaselka surr., 11.07.2023, 1♀; *Kon*: Rayguba surr., 8.08.2023, 1♀.

DISTRIBUTION. New to Karelia and Russian Fennoscandia.

****Crossocerus (Blepharipus) walkeri* (Shuckard, 1837)**

MATERIAL. **Karelia**, *Kpoc*: Murdoyoki, MT, 25.06–08.07.2009 (Polevoi leg.), 1♀; *Kk*: Paanayarvi NP, Siltayoki, MT, 27.06–28.07.2021, 1♂; *Kon*: Kaynos I., 3.07.2004, 1♂ (Polevoi leg.), Kizhsky Sanctuary, Kurgensitsy, 24.06.2024, 1♀; **Murmansk Area**, *Lim*: Laplandsky Biosphere NR, Krasnaya Lambina, MT, 20.07–20.08.2017, 1♀.

DISTRIBUTION. **Karelia**, *Kon*: Kentjärvi [Konchezero] [FinBIF, 2025]; **Murmansk Area**, *Lim*: Laplandsky Biosphere NR [Humala, 2025].

#*Crossocerus (Cuphopterus) dimidiatus dimidiatus* (Fabricius, 1781)

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Sakkijärvi [Kondrat’evo], Tytärsaari [Bol’shoi Tyuters I.], Lavansaari [Moschny I.], Suursaari [Gogland I.], Seiskari [Seskar I.]; *Ik*: Metsäpirtti [Zaporozhskoe], Sakkola [Gromovo]; *Kol*: Vaaseni [Vazhiny]; *Kl*: Käkisalmi [Priozersk] [FinBIF, 2025].

#*Crossocerus (Hoplocrabro) quadrimaculatus* (Fabricius, 1793)

DISTRIBUTION. **Leningrad Area**, Gatchina [GBIF, 2025a].

#*Ectemnius (Ectemnius) borealis* (Zetterstedt, 1838)

DISTRIBUTION. **Leningrad Area**, *Ka*: Antrea [Kamennogorsk], Jääski [Lesogorsky], Viipuri [Vyborg], Sakkijärvi [Kondrat’evo], Tytärsaari [Bol’shoi Tyuters I.], Seiskari [Seskar I.]; *Ik*: Rautu [Sosnovo], Terijoki [Zelenogorsk], Kivennapa [Pervomayskoe]; *Kol*: Vaaseni [Vazhiny] [FinBIF, 2025].

#*Ectemnius (Ectemnius) dives* (Lepelletier de Saint Fargeau et Brullé, 1835)

DISTRIBUTION. **Leningrad Area**, *Ka*: Tytärsaari [Bol’shoi Tyuters I.], Seiskari [Seskar I.]; *Ik*: Rautu [Sosnovo], Terijoki [Zelenogorsk] [FinBIF, 2025].

\$*Ectemnius (Metacrabro) cephalotes* (Olivier, 1792)

MATERIAL. **Karelia**, *Kl*: Matkaselka surr., 12.07.2023, 1♀.

DISTRIBUTION. Reported in Catalogue from NW, but probably no records from Russian Fennoscandia.

REMARK. New to Karelia. Near Threatened (NT) in Finland [Paukkunen *et al.*, 2019].

****Ectemnius (Metacrabro) spinipes* (A. Morawitz, 1866)**

MATERIAL. **Karelia**, *Kon*: 13 km WSW Shun’ga, Nizhnee Myagrozzero L., 20.07.2012, 1♀.

DISTRIBUTION. **Karelia**, *Kon*: Zaonezhye Peninsula [Humala, Polevoi, 2015].

#*Rhopalum (Rhopalum) clavipes* (Linnaeus, 1758)

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Tytärsaari [Bol'shoi Tyuters I.], Seiskari [Seskar I.]; *Ik*: Terijoki [Zelenogorsk] [FinBIF, 2025].

#*Tachysphex dimidiatus* (Panzer, 1809)

Tachysphex pompiliiformis (Panzer, 1804) (misapplied name)

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Antrea [Kamennogorsk], Säkijärvi [Kondrat'ev], Koivisto [Primorsk], Tytärsaari [Bol'shoi Tyuters I.], Lavansaari [Moschny I.], Seiskari [Seskar I.]; *Ik*: Terijoki [Zelenogorsk], Sakola [Gromovo], Rautu [Sosnovo], Kivennapa [Pervomayskoe], Pyhäjärvi [Otradnoe], Uusikirkko [Polyany], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe]; *Kl*: Käkisalme [Priozersk] [FinBIF, 2025].

#*Tachysphex nitidus* (Spinola, 1805)

DISTRIBUTION. **Leningrad Area**, *Ka*: Tytärsaari [Bol'shoi Tyuters I.], Lavansaari [Moschny I.], Seiskari [Seskar I.]; *Ik*: Terijoki [Zelenogorsk], Valkjärvi [Michurinskoe], Uusikirkko [Polyany], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe]; *Kl*: Käkisalme [Priozersk] [FinBIF, 2025].

#*Tachysphex obscuripennis* (Schenck, 1857)

DISTRIBUTION. **Leningrad Area**, *Ka*: Tytärsaari [Bol'shoi Tyuters I.], Lavansaari [Moschny I.], Seiskari [Seskar I.]; *Ik*: Terijoki [Zelenogorsk], Sakkola [Gromovo], Pyhäjärvi [Otradnoe], Rautu [Sosnovo], Uusikirkko [Polyany], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe]; *Kl*: Käkisalme [Priozersk]; *Kol*: Vaaseni [Vazhiny] [FinBIF, 2025].

***#*Miscophus ater* Lepeletier de Saint Fargeau, 1845**

DISTRIBUTION. **Leningrad Area**, *Ka*: Seiskari [Seskar I.]; *Ik*: Terijoki [Zelenogorsk], Rautu [Sosnovo], Uusikirkko [Polyany]; *Kl*: Käkisalme [Priozersk]; **Arkhangelsk Area**, Vaga R. [FinBIF, 2025].

***#*Miscophus concolor* Dahlbom, 1844**

DISTRIBUTION. **Karelia**, *Kl*: Impilahti; **Leningrad Area**, *Ik*: Terijoki [Zelenogorsk], Muolaa [Pravdino], Uusikirkko [Polyany] [FinBIF, 2025].

REMARKS. Reported from Russian Karelia and Karelian Isthmus [Lomholdt, 1984]. Near Threatened (NT) in Finland [Paukkunen *et al.*, 2019].

#*Miscophus niger* Dahlbom, 1844

DISTRIBUTION. **Leningrad Area**, *Ik*: Terijoki [Zelenogorsk], Muolaa [Pravdino], Rautu [Sosnovo], Metsäpirtti [Zaporozhskoe]; *Kl*: Käkisalme [Priozersk] [FinBIF, 2025].

#*Miscophus spurius* (Dahlbom, 1832)

DISTRIBUTION. **Leningrad Area**, *Ik*: Uusikirkko [Polyany], Muolaa [Pravdino], Rautu [Sosnovo], Metsäpirtti [Zaporozhskoe] [FinBIF, 2025].

REMARK. Near Threatened (NT) in Finland [Paukkunen *et al.*, 2019].

***#*Nitela (Nitela) borealis* Valkeila, 1974**

MATERIAL. **Karelia**, *Kon*: Nigozero, 8.08.2012, 1 ♀ (Kainelainen); *Kpoc*: Maksim'yarvi, YPT, 23–27.07.2022, 1 ♀ (Polevoi leg.); *Kk*: Sidorov I., 15.08.1998, 1 ♀.

DISTRIBUTION. **Karelia**, *Kol*: Petrozavodsk; **Leningrad Area**, *Ka*: Säkijärvi [Kondrat'ev] [Valkeila, 1974; Lomholdt, 1984; FinBIF, 2025].

#*Oxybelus argentatus* Curtis, 1833

DISTRIBUTION. **Leningrad Area**, *Ka*: Lavansaari [Moschny I.], Seiskari [Seskar I.]; *Ik*: Terijoki [Zelenogorsk], Metsäpirtti [Zaporozhskoe] [FinBIF, 2025].

REMARK. Endangered (EN) in Finland [Paukkunen *et al.*, 2019].

#*Oxybelus bipunctatus* Olivier, 1812

DISTRIBUTION. **Leningrad Area**, *Ka*: Seiskari [Seskar I.]; *Ik*: Terijoki [Zelenogorsk], Nykyrka [Polyany], Rautu [Sosnovo], Metsäpirtti [Zaporozhskoe], Valkjärvi [Michurinskoe] [FinBIF, 2025].

***#*Oxybelus mandibularis* Dahlbom, 1845**

MATERIAL. **Karelia**, *Kon*: Vottovaara Mt. 19.07.2008, 1 ♂ (Polevoi leg.).

DISTRIBUTION. **Karelia**, *Kl*: Lahdenpohja, Impilahti, Salmi; *Kpoc*: Kostomukshsky NR; Akonlahti; **Leningrad Area**, *Ka*: Tytärsaari [Bol'shoi Tyuters I.]; Jääski [Lesogorsky]; *Ik*: Terijoki [Zelenogorsk], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe] [Lomholdt, 1975; FinBIF, 2025].

***#*Oxybelus quatuordecimnotatus* Jurine, 1807**

DISTRIBUTION. **Karelia**, *Kol*: Kuytezh; **Arkhangelsk Area**, Vaga R. [Paukkunen, 2014; FinBIF, 2025].

***#*Oxybelus trispinosus* (Fabricius, 1787)**

DISTRIBUTION. **Karelia**, *Kl*: Impilahti, Koyrinoya; *Kol*: Kolatselga; **Leningrad Area**, *Kol*: Vaaseni [Vazhiny]; St. Petersburg [FinBIF, 2025; GBIF, 2025c].

***#*Trypoxylon (Trypoxylon) medium* de Beaumont, 1945**

DISTRIBUTION. **Karelia**, *Kl*: Lumivaara; **Leningrad Area**, *Ka*: Säkijärvi [Kondrat'ev], Koivisto [Primorsk]; *Kl*: Käkisalme [Priozersk]; **Arkhangelsk Area**, Vaga R. [FinBIF, 2025].

***#*Trypoxylon (Trypoxylon) minus* de Beaumont, 1945**

MATERIAL. **Karelia**, *Kl*: Mejeri, 4.07.2010, 1 ♂, Matkaselka 14.07.2023, 1 ♂; *Kol*: Lososinnoe 6 km NE, clearcut-10, YPT, 9–12.07.2012, 2 ♀♀, Lososinnoe 4 km NE, clearcut-12, YPT, 28–31.05.2013, 1 ♀; *Kon*: Gomselga 1.5 km E, clearcut-6, YPT, 4–6.07.2012, 3 ex.; *Kton*: Kladovets Cape, YPT, 30.06–6.07.2018, 2 ♀♀ 2 ♂♂; *Kk*: Gridino, 3.08.2007, 1 ♀; **Murmansk Area**, *Lim*: Laplandsky NR, Chunozero, YPT, 24.07–2.08.2013, 2 ♂, El'yavr L., MT, 23.06–28.07.2014, 1 ♂.

DISTRIBUTION. **Karelia**, *Kl*: Valamo [Valaam I.], Kirjavalahi, Impilahti, Salmi, *Kol*: Kolatselga; **Leningrad Area**, *Ka*: Viipuri [Vyborg], Säkijärvi [Kondrat'ev], Tytärsaari [Bol'shoi Tyuters I.]; *Ik*: Pyhäjärvi [Otradnoe], Terijoki [Zelenogorsk], Rautu [Sosnovo] [FinBIF, 2025].

Subfamily DINETINAE

#*Dinetus pictus* Fabricius, 1793

DISTRIBUTION. **Leningrad Area**, *Ik*: Pyhäjärvi [Otradnoe], Muolaa [Pravdino] [FinBIF, 2025].

REMARK. Regionally extinct (RE) in Finland [Paukkunen *et al.*, 2019].

Subfamily MELLINIINAE

**Mellinus arvensis* (Linnaeus, 1758)

MATERIAL. **Karelia**, *Kol*: Kaskesruchi, 20.07.2004, 1♀, Mayachino, YPT, 4–9.07.2013, 1♀; *Kon*: Pin'guba, 7.08.2018 (Polevoi leg.), Kizhsky Sanctuary, 1 km S Vorob'i, 19.08.2008; Yalguba surr., 20.08.2024, 1♀; *Kton*: Besov Nos, MT, 28–30.06.1995, 1♀ (Polevoi leg.), Cape Gazhiy Nos, 1.07.2018, 1♂.

DISTRIBUTION. **Karelia**, *Kl*: Jaakkima, Sortavala, Kirjavalahki, Salmi; *Kol*: Petroskoi [Petrozavodsk], Soutjärvi [Sheltozero]; *Kon*: Nigozero [Westerlund, 1893; FinBIF, 2025; GBIF, 2025b].

**Mellinus crabroneus* (Thunberg, 1791)

MATERIAL. **Karelia**, *Kol*: 2 km S Kaskesruchi 19.07.2004, 3♀♀; *Kon*: Yalguba surr., 17.07.2024, 1♂.

DISTRIBUTION. **Karelia**, *Kol*: Prääzä [Pryazha], Aunus [Olonets], Kuksumäki [Kukshegory], Sântämä [Syndeba] [FinBIF, 2025].

REMARK. Regionally extinct (RE) in Finland [Paukkunen *et al.*, 2019].

Subfamily PEMPHREDONINAE

**Diodontus insidiosus* Spooner, 1938

MATERIAL. **Karelia**, *Kl*: Reuskula surr., Pitkyayarvi L., 6.07.2010, 1♀.

DISTRIBUTION. Previously known in Fennoscandia from a single old find in Finland [Lomholdt, 1984], the second find from Karelia, which has already been reported [Humala, Polevoi, 2011].

#Diodontus medius Dahlbom, 1844

DISTRIBUTION. **Leningrad Area**, *Ik*: Metsäpirtti [Zaporozhskoe]; *Kl*: Käkisalmi [Priozersk] [FinBIF, 2025].

#Passaloecus corniger Shuckard, 1837

DISTRIBUTION. **Leningrad Area**, *Ka*: Koivisto [Primorsk] [FinBIF, 2025].

#Passaloecus eremita Kohl, 1893

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg]; *Ik*: Uusikirkko [Polyany], Terijoki [Zelenogorsk], Äyräpää [Baryshevo] [FinBIF, 2025].

Passaloecus taigaensis Johansson, Paukkunen *et Hellqvist*, 2021

MATERIAL. **Murmansk Area**, *Lim*: Laplandsky NR, Chunozero surr., 25.07.2013, 1♂.

DISTRIBUTION. **Karelia**, *Kol*: Petrozavodsk [Johansson *et al.*, 2021]; **Murmansk Area**, *Lim*: Laplandsky NR [Humala, 2025].

REMARK. Unfortunately, the original material identified earlier as *Passaloecus insignis* (Vander Linden, 1829) [Humala, 2006; Jakovlev *et al.*, 2014], was not possible to re-examine, as it was not returned by M. Mokrousov. Most likely, these specimens were identified incorrectly, since according to updated data, the range of this species does not extend so far north and probably these Karelian digger wasps should be considered as *P. taigaensis*.

**Passaloecus turionum* Dahlbom, 1844

MATERIAL. **Karelia**, *Kol*: Lososinnoe 6 km NNE, clearcut-7, YPT, 9–12.07.2012, 1♀.

DISTRIBUTION. **Karelia**, *Kl*: Salmi; *Kol*: Petrozavodsk; *Kon*: Kumsjärvi; *Kb*: Suojärvi [FinBIF, 2025].

##Pemphredon beaumonti Hellén, 1955

DISTRIBUTION. **Leningrad Area**, *Ik*: Pyhäjärvi [Otradnoe] [FinBIF, 2025].

REMARKS. Overlooked for the Russian fauna in the Catalogue [2017]. Endangered (EN) in Finland [Paukkunen *et al.*, 2019].

**Pemphredon flavistigma* Thomson, 1874

DISTRIBUTION. **Karelia**, *Kl*: Sortavala [Merisuo, 1936; Lomholdt, 1984; FinBIF, 2025].

REMARK. Near Threatened (NT) in Finland [Paukkunen *et al.*, 2019].

#Pemphredon lethifer (Shuckard, 1837)

DISTRIBUTION. **Leningrad Area**, *Ka*: Seiskari [Seskar I.] [FinBIF, 2025].

#Pemphredon littoralis Wagner, 1918

P. lethifer (Shuckard, 1837)

DISTRIBUTION. **Leningrad Area**, *Ik*: Terijoki [Zelenogorsk] [FinBIF, 2025].

REMARK. Listed in the Catalogue as *P. lethifer*.

**Pemphredon mortifer* Valkeila, 1972

P. rugifer (Dahlbom, 1844) auct.

MATERIAL. **Karelia**, *Kol*: Mayachino, 22.06.2012, 1♂.

DISTRIBUTION. **Karelia**, *Kl*: Sortavala; *Kol*: Petrozavodsk; *Kon*: Kenjärvi [Konchezero] [FinBIF, 2025].

REMARK. Regionally extinct (RE) in Finland [Paukkunen *et al.*, 2019].

#Spilomena curruca (Dahlbom, 1844)

DISTRIBUTION. **Leningrad Area**, *Ik*: Terijoki [Zelenogorsk] [FinBIF, 2025].

#Spilomena differens Blüthgen, 1953

DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg] [FinBIF, 2025].

**Spilomena enslini* Blüthgen, 1953

DISTRIBUTION. **Karelia**, *Kpoc*: Kostomukshsky NR, Jyrinoja [GBIF, 2025d].

REMARK. The previous record of this species from Zaon-ezhye Peninsula [Jakovlev *et al.*, 2014] was erroneous due to misidentification of *S. differens*.

\$Spilomena troglodytes (Vander Linden, 1829)

MATERIAL. **Karelia**, *Kon*: Myagrozero, 22.07.2012, 1♀.

DISTRIBUTION. In Russian Fennoscandia reported from Vyborg [GBIF, 2025e].

REMARK. New to Karelia. Earlier this specimen was erroneously reported as *S. enslini* [Jakovlev *et al.*, 2014].

\$Stigmus pendulus Panzer, 1804

MATERIAL. **Karelia**, *Kol*: Petrozavodsk, 27.07.2018, 1♀.

DISTRIBUTION. New to Karelia and Russian Fennoscandia.

**Mimesa bruxellensis* Bondroit, 1934

MATERIAL. **Karelia**, *Kl*: Matkaskelka surr., 14.07.2023, 1♀.

DISTRIBUTION. **Leningrad Area**. [FinBIF, 2025].

**Mimesa lutaria* (Fabricius, 1787)

DISTRIBUTION. **Karelia**, *Kl*: Impilahti; *Kol*: Petrozavodsk; *Kon*: Karhumäki [Medvezh'egorsk] [FinBIF, 2025].

#*Mimumesa spooneri* (Richards, 1948)
DISTRIBUTION. **Leningrad Area**, *Kol*: Vaaseni [Vazhiny] [FinBIF, 2025].

REMARK: Endangered (EN) in Finland [Paukkunen *et al.*, 2019].

#*Mimumesa unicolor* (Vander Linden, 1829)
DISTRIBUTION. **Leningrad Area**, *Ka*: Pieni Tytärsaari [Malyi Tyuters I.]; *Ik*: Terijoki [Zelenogorsk], Muolaa [Pravdino], Metsäpirtti [Zaporozhskoe] [FinBIF, 2025].

REMARK: Near Threatened (NT) in Finland [Paukkunen *et al.*, 2019].

*#*Psenulus chevrieri* (Tournier, 1889)
DISTRIBUTION. **Karelia**, *Kl*: Sortavala, Salmi; **Leningrad Area**, *Ka*: Jääski [Lesogorsky]; *Ik*: Terijoki [Zelenogorsk], Metsäpirtti [Zaporozhskoe], Uusikirkko [Polyany] [FinBIF, 2025].

REMARK: Near Threatened (NT) in Finland [Paukkunen *et al.*, 2019].

#*Psenulus fuscipennis* (Dahlbom, 1843)
DISTRIBUTION. **Leningrad Area**, *Ka*: Viipuri [Vyborg], Antrea [Kamennogorsk]; *Ik*: Terijoki [Zelenogorsk], Kivennapa [Pervomayskoe], Muolaa [Pravdino], Uusikirkko [Polyany], Äyräpää [Baryshevo]; *Kl*: Käkisalme [Priozersk] [FinBIF, 2025].

#*Psenulus pallipes* (Panzer, 1798)
DISTRIBUTION. **Leningrad Area**, *Ik*: Metsäpirtti [Zaporozhskoe] [FinBIF, 2025].

REMARK: Near Threatened (NT) in Finland [Paukkunen *et al.*, 2019].

Subfamily PHILANTHINAE

#*Cerceris ruficornis* (Fabricius, 1793)
DISTRIBUTION. **Leningrad Area**, *Ka*: Säkijärvi [Kondrat'ev], Tytärsaari [Bol'shoi Tyuters I.]; *Ik*: Terijoki [Zelenogorsk], Valkjärvi [Michurinskoe], Muolaa [Pravdino], Sakkola [Gromovo] [FinBIF, 2025].

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